

Annex XII

GEMS/GLORI Data Base (1995) Major ions.

Notes to Annex XII

Major ions

1	2	3	4	5	6	7	8	9	10	
Rivers	Ca ⁺⁺ mg/l	Mg ⁺⁺ mg/l	Na ⁺ mg/l	K ⁺ mg/l	Cl ⁻ mg/l	SO ₄ ⁼ mg/l	HCO ₃ ⁻ mg/l	*TZ+ μeq/l	*TZ- μeq/l	
RHINE	80.5	11.4	91.0	6.4	173.	74.0	158.	9074	9073	A
	<i>89.173</i>	<i>89.173</i>	<i>89.173</i>	<i>89.173</i>	<i>89.173</i>	<i>89.173</i>	<i>89.173</i>			B
	75-84	75-84	75-84	75-84	75-84	75-84	75-84			C
	76	11			161	71				
	<i>95.001</i>	<i>95.001</i>			<i>95.001</i>	<i>95.001</i>				
	79-84	79-84			79-84	79-84				

1. River name: for spelling and synonyms see tables II and III
2. Calcium
3. Magnesium
4. Sodium (for few rivers sodium has been estimated by the authors from the sum sodium plus potassium).
5. Potassium (for few rivers potassium has been estimated by the authors from the sum sodium plus potassium).
6. Chloride.
7. Sulfate.
8. Bicarbonate (for few hard water rivers carbonate has been converted into bicarbonate and added).
9. Sum of major cations (Ca⁺⁺ + Mg⁺⁺ + Na⁺ + K⁺) expressed in microequivalent per liter; not calculated when one of these values was absent.
10. Sum of major anions (Cl⁻ + SO₄⁼ + HCO₃⁻, and NO₃⁻ if available) expressed in microequivalent per litre; not calculated when one of these values was absent. In principle TZ⁺ should be equal to TZ⁻.

A. First line (bold font): selected data

B. Second line (italic): corresponding reference number starting with reference year
(see Annex XIV)

C. Third line (normal font): time period of record, when appropriate.

*. Calculated data.

Annex XII Major ions

Rivières	Ca ⁺⁺ mg/L	Mg ⁺⁺ mg/L	Na ⁺ mg/L	K ⁺ mg/L	Cl ⁻ mg/L	SO ₄ ⁼ mg/L	HCO ₃ ⁻ mg/L	TZ ⁺ µeq/L	TZ ⁻ µeq/L
A LA BALEINE	3.5	1.2	0.9	0.6	0.3	4.9	14.0	328	344
	70.100	70.100	70.100	70.100	70.100	70.100	70.100		
	68-69	68-69	68-69	68-69	68-69	68-69	68-69		
ABITIBI									
ABRA									
ADIGE	39.3	11.4	3.2		7.1	32.1	126	3038	2950
	85.200	85.200	85.200		85.200	85.200	85.200		
	70-80	70-80	70-80		70-80	70-80	70-80		
ADOUR	43.00	3.40	10.00	1.60	17	22	112	2901	2774
	89.014	89.014	89.014	89.014	89.014	89.014	89.014		
AGANO	4.9	1.3	5.2	1.45	5.3	8.9	16.9	615	614
	60.020	60.020	60.020	60.020	60.020	60.020	60.020		
	56-57	56-57	56-57	56-57	56-57	56-57	56-57		
AGNO									
AGUSAN									
AKSU									
ALAZEYA									
ALBANY	22.3	4.4	1.0	0.5	0.8	4.5	85	1531	1510
	76.128	76.128	76.128	76.128	76.128	76.128	76.128		
ALIAKMON									
ALSEK									
ALTAMAHA	6.54	1.30	6.75	1.75	5.72	7.31	26.50	772	751
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
AMAZON :	5.4	0.9	1.85	0.8	2.15	4.5	21.0	444	501
	92.035	92.035	92.035	92.035	92.035	92.035	92.035		
	6.5	1	3.1	1.1	3.9	3.0	22.5		
	72.157	72.157	72.157	72.157	72.157	72.157	72.157		
AMECA	18.4	5.1	13.8	3.8	5.0	20.0	90.0	2037	2033
	71.022	71.022	71.022	71.022	71.022	71.022	71.022		
AMGERMAN	16.80	1.06	1.41	0.55	1.55	8.50	47.6	1001	1001
	76.134	76.134	76.134	76.134	76.134	76.134	76.134		
	71	71	71	71	71	71	71		
AMGUEMA	3.3	0.6	1.2	1.0	1.1	3.3	7.6	292	225
	96.003	96.004	96.003	96.003	96.003	96.003	96.003		
	81-90	61-75	81-90	81-90	81-90	81-90	81-90		
	3.0		1.0	1.0	1.5	4.8	8.6		
	96.004		96.004	96.004	96.004	96.004	96.004		
	61-75		61-75	61-75	61-75	61-75	61-75		
AMUR	8.9	2.3	2.9	1.0	2.3	6.2	29.1	785	673
	96.003	96.003	96.003	96.003	84.216	96.003	96.003		
	81-90	81-90	81-90	81-90		81-90	81-90		
	8	2			3.90	6.40	31.7		
	95.001	95.001			95.001	95.001	95.001		
	80-92	80-92			80-92	80-92	80-92		
ANABAR	9.8	2.3	0.2	1.0	1.73	4.0	31.2	713	644
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	81-91	81-91	81-91	81-91	81-91	81-91	81-91		
ANADYR	4.2	1.6	2.2	1.0	2.6	4.8	16.7	463	447
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	62-88	62-88	62-88	62-88	62-88	62-88	62-88		
ANDERSON	35	15	20	2.0	30	55	140	3902	4286
	82.205	82.205	82.205	82.205	82.205	82.205	82.205		
	77-79	77-79	77-79	77-79	77-79	77-79	77-79		
ANGHARI									
ANKOBRA									
APPALACHICOLA									
APPROUAGUE	0.80	0.65	2.80	0.90	5.10	1.50	9.0	238	323
	74.112	74.112	74.112	74.112	74.112	74.112	74.112		
ARAGUARI									

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See page 180 for an explanation of terms used in this annex

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Rivières	Ca ⁺⁺ mg/L	Mg ⁺⁺ mg/L	Na ⁺ mg/L	K ⁺ mg/L	Cl ⁻ mg/L	SO ₄ ⁻ mg/L	HCO ₃ ⁻ mg/L	TZ ⁺ µeq/L	TZ ⁻ µeq/L
ARNAUD	2.0	0.5	0.9	0.4	0.4	3	7	190	192
	70.100	70.100	70.100	70.100	70.100	70.100	70.100		
	68-69	68-69	68-69	68-69	68-69	68-69	68-69		
ARNO	102.0	23.1	59.0		87.9	115.0	277.0	9557	9431
	85.200	85.200	85.200		85.200	85.200	85.200		
ASHBURTON									
ASI									
ATRATO									
ATTAWAPISKAT	16.00				0.50				
AURE									
AUX FEUILLES	2.3	0.4	1.3	0.4	0.4	2.3	8.1	214	195
	70.100	70.100	70.100	70.100	70.100	70.100	70.100		
	68-69	68-69	68-69	68-69	68-69	68-69	68-69		
AUX OUTARDES	1.36	0.43	0.62	0.31	0.53	2.31	2.87	138	111
	86.172	86.172	86.172	86.172	86.172	86.172	86.172		
AXIOS									
BABBAGE									
BACK	2.0		0.5	0.3	0.7	1.3	6.0	129	145
	76.128		76.128	76.128	76.128	76.128	76.128		
BAKER									
BALSAS	218	20.70	33.30	7.60	35.2	275	166	14225	9438
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-89				79-89	79-89	79-89		
					21.90				
BAN PAKONG									
BANDAMA	4.13	2.5		2.2	2.52	2.11	35.5	468	697
	94.035	94.035		94.035	94.035	94.035	94.035		
	3.7	2.3	4.8	2.0	2.1	1.93	37.0		
	72.055	72.055	72.055	72.055	72.055	72.055	82.055		
	4.70	2.20	5.3	2.50	1.50	4.60	33.3		
	82.055	82.055	82.055	82.055	82.055	82.055	72.055		
BARITO	3.80	2.50	3.00	0.95	3.50	5.00	20.8	550	546
	78.170	78.170	78.170	78.170	78.170	78.170	78.170		
	7.45	3.75	7.4	1.05	11	8.85	30.5		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-81	79-81	79-81	79-81	79-81	79-81	79-81		
BARUMUM									
BERBICE									
BERSIMIS	1.30	0.55	1.0	0.35	1.06	2.69	2.26	163	124
	86.172	86.172	86.172	86.172	86.172	86.172	86.172		
BETSIAMITES									
BETSIBOKA									
BIO BIO	5.8	2.85	6	1.2	1.5	2.6	33.5	816	649
	91.098	91.098	91.098	91.098	91.098	91.098	91.098		
BRAHMANI									
BRAHMAPUTRA	14	3.8	2.1	3.90	1.1	10	58	1202	1190
	89.049	89.049	89.049	89.049	89.049	89.049	89.049		
	22.5	4.1	2.9	3.7	5.9	4.0	84.1		
	72.036	72.036	72.036	72.036	72.036	72.036	72.036		
				1.9					
				91.091					
BRANTAS	26.1	10.2	12.2	3.4	6.2	8.9	145	2759	2750
	78.170	78.170	78.170	78.170	78.170	78.170	78.170		
	49	12.5	22	4.8	20	19	142		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	85-93	85-93	85-93	85-93	85-93	85-93	85-93		
BRAZOS (Tex)	57.1	11.1	62.4	4.1	91.1	61.80	166.6	6581	6594
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
BREEDE									

The authors would welcome any comments or additional data

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Rivières	Ca ⁺⁺ mg/L	Mg ⁺⁺ mg/L	Na ⁺ mg/L	K ⁺ mg/L	Cl ⁻ mg/L	SO ₄ ⁼ mg/L	HCO ₃ ⁻ mg/L	TZ ⁺ µeq/L	TZ ⁻ µeq/L
BROADBACK	3.3	0.45	1.4	0.5	0.9	1.9	11.5	275	256
	70.100	70.100	70.100	70.100	70.100	70.100	70.100		
	68-69	68-69	68-69	68-69	68-69	68-69	68-69		
BUG	83.0	28.9	38.7	1.0	43.3	68.6	321.0	8228	7913
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	81-90	81-90	81-90	81-90	81-90	81-90	81-90		
BULLER									
BURDEKIN	23	12.8	32.5	3.2	34	1.1	155	3697	3524
	75.115	75.115	75.115	75.115	75.115	75.115	75.115		
BURNETT									
BUYUK MENDERES	140	25	46	8	28	215	256	11249	9460
	89.175	89.175	89.175	89.175	89.175	89.175	89.175		
BUZI									
BZYB	27.2	3.4	2.4	1.0	3.4	13.6	98.6	1767	1996
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	50-86	50-86	50-86	50-86	50-86	50-86	50-86		
CAGAYAN					4		60		
					95.001		95.001		
					79-94		79-94		
CAPE FEAR	4.04	1.68	6.92	1.87	6.37	8.59	16.30	689	633
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
CAPIM									
CAUWERI	28.0	24	60	5.5	50	32	177	6123	4979
	83.241	83.241	83.241	83.241	83.241	83.241	83.241		
	23.0	7.1	36.0	3.1	14.0	24.00	148.0		
	92.033	92.033	92.033	92.033	92.033	92.033	92.033		
	85-89	85-89	85-89	85-89	85-89	85-89	85-89		
	9.5	14	15		17	7	125		
	95.001	95.001	95.001		95.001	95.001	95.001		
	78-87	78-87	78-87		78-87	78-87	78-87		
CAVALLY	4.4	2	3.8	6	1.4	4.6	33	703	676
	82.055	82.055	82.055	82.055	82.055	82.055	82.055		
CEYHAN	60	10	16	2	21.00	43.27	128	4567	3592
	89.175	89.175	89.175	89.175		89.175	89.175		
CHANG JIANG	38.9	7.1	5.1	1.4	5.3	15.7	141	2783	2794
	87.186	87.186	87.186	87.186	87.186	87.186	87.186		
	34.8	7.1	6.8	1.4	7.0	20.0	100		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	80-92	80-92	80-92	80-92	80-92	80-92	80-92		
	34.8	6.18	2.4	1.4	4.36	12	124.4		
	87.197	87.197	87.197	87.197	87.197	87.197	87.197		
CHAO PHRYA	22	6.3			4.00	8.4	76	1616	1536
	95.001	95.001			95.001	95.001	95.001		
	78-93	79-93	5.0	2.80	79-93	79-93	79-93		
	9.8	1.9	59.001	59.001	1.80	1.0			
	59.001	59.001			59.001	59.001	59.001		
CHELIFF									
CHICO									
CHIRA									
CHO SHUI CHI									
CHOCTAWATCHEE									
CHOWAN									
CHUBUT									
CHURCHILL (Atl)									
CHURCHILL (Hud)	14.1	5	3.0	1.1	1.3	3.2	61.7	1274	1115
	76.128	76.128	76.128	76.128	76.128	76.128	76.128		
	8.1	3	2.8	1.0	1.2	2.7	32.0		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-92	79-92	79-92	79-92	79-92	79-92	79-92		

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CIMANUK	16	6.2	9.0	2.0	4	19	81	1726	1839
	78.170	78.170	78.170	78.170	78.170	78.170	78.170		
	19	7.6	11	3	10	12	74		
	79-81	79-81	79-81	79-81	79-81	79-81	79-81		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
CITANDUY	6.7	3.2	4.3	1.1	3.3	4.7	36	812	787
	78.170	78.170	78.170	78.170	78.170	78.170	78.170		
CITARUM	11	3.9	8	2.0	5	13	52	1267	1270
	78.170	78.170	78.170	78.170	78.170	78.170	78.170		
	15	6.2	18	3.6	17	13	70		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	85-94	85-94	85-94	85-94	85-94	85-94	85-94		
CLARENCE CLUTHA	9.90	0.9	1.60	0.60	1.00	4	33.4	653	659
	85.202	85.202	85.202	85.202	85.202	85.202	85.202		
	9.5	0.9	2		1.5	4	30.00		
	75.111	75.111	75.111		75.111	75.111	75.111		
COCO									
COLORADO (Arg)									
COLORADO (Ari)	106.2	35.9	183.7	6.3	181.3	379	206	16405	16376
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
	83	24	95	5	82	270	135		
	79.101	79.101	79.101	79.101	79.101	79.101	79.101		
	65-67	65-67	65-67	65-67	65-67	65-67	65-67		
COLORADO (Tex)	51.70	16.80	26.70	3.72	44.20	33.80	196.2	5219	5176
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
COLUMBIA	18	5	5	1.1	3	11	63	1555	1348
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-93	79-93	79-93	79-93	79-93	79-93	79-93		
	20.7	5.4	7.3	1.5	3.60	16.5	81		
	82.093	82.093	82.093	82.093	82.093	82.093	82.093		
COLVILLE	16.4	4.25	2.55	0.78	1.06	19.3	53.5	1299	1309
	91.096	91.096	91.096	91.096	91.096	91.096	91.096		
COMOE	3.2	1.4	1.2	3.2		6.6	19.8	409	462
	82.055	82.055	82.055	82.055	82.055	82.055	82.055		
CONNECTICUT	10.21	1.70	6.75	1.22	10.52	10.84	25.60	974	942
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
COPPENAME	1.0	0.6	0.55	0.4	0.3	1.3		133	36
	82.205	82.205	82.205	82.205	82.205	82.205	82.205		
	77-79	77-79	77-79	77-79	77-79	77-79	77-79		
COPPER									
COPPERMINE									
CORANTIJN									
COROCH									
CROSS									
CUANZA									
CUNENE	1.7	2.1	10.3		7.10		30.50	706	700
	63.024	63.024	63.024		63.024		63.024		
CUYUNI	7.4	2.2	2.6	0.7	3.8	3	23	681	547
	73.110	73.110	73.110	73.110	73.110	73.110	73.110		
DALALVEN	3.84	0.65	1.39	0.55	1.14	8.00	8.20	320	335
	76.130	76.130	76.130	76.130	76.130	76.130	76.130		
	65-71	65-71	65-71	65-71	65-71	65-71	65-71		
					1.74	5	9.41		
					95.001	95.001	95.001		
					78-87	78-87	78-87		
DALING									
DALY									
DAMODAR	22	8.2	15	3	9.7	45	62	2502	2226
	71.099	71.099	71.099	71.099	71.099	71.099	71.099		

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DANUBE	58.9	27.15	17	2	52.8	63.4	203	5964	6162
	93.028	93.028	93.028	93.028	93.028	93.028	93.028		
	79-83	79-83	79-83	79-83	79-83	79-83	79-83		
	49	9	9	1	19.5	24	190		
	79.101	79.101	79.101	79.101	79.101	79.101	79.101		
DAUGAVA	35.20	7.04	7.5	1.0	9.9	23.90	132.4	2414	2950
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	81-88	81-88	81-88	81-88	81-88	81-88	81-88		
			1.5	0.5	1.6	7.45			
			91.035	91.035	91.035	91.035			
DAULE	12.5	6.18			5		65		
	95.001	95.001			95.001		95.001		
	80-83	80-83			80-83		80-83		
DELAWARE	15.00	6.00	6.20	1.49	8.84	22.75	44.80	1550	1471
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
	16.00	5.00	9.00	1.35	13.00	18.00	39.00		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-93	79-93	79-93	79-93	79-93	79-93	79-93		
DESEADO									
DIGUL									
DNEPR	44.2	10.3	14	1	17.1	31.3	152.6	3675	3639
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	56-68	56-68	56-68	56-68	56-68	56-68	56-68		
	89.060	89.060	89.060	89.060	89.060	89.060	89.060		
	71-80	71-80	71-80	71-80	71-80	71-80	71-80		
DNESTR	69	25.8	62	1	63.2	115.9	227.2	8289	7936
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	81-90	81-90	81-90	81-90	81-90	81-90	81-90		
	108	35	70	6	82.6	139	368		
	89.060	89.060	89.060	89.060	89.060	89.060	89.060		
DOCE									
DON	82.9	36	146	1	147	215	201	13501	11892
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	80-92	80-92	80-92	80-92	80-92	80-92	80-92		
	76.20	27			144	172	210		
	95.001	95.001			95.001	95.001	95.001		
	80-92	80-92			80-92	80-92	80-92		
DONG NAI									
DONGJIANG	4.41	1.32	1.61	1.18	0.82	2.60	22.07	428	439
	87.186	87.186	87.186	87.186	87.186	87.186	87.186		
	83	83	83	83	83	83	83		
DORDOGNE									
DOURO	51	21	11	2	17	106	146	4803	5079
	69.066	69.066	69.066	69.066	69.066	69.066	69.066		
DRAA									
DRAMMENSELVA	4.5	0.75	1.0	0.52	1.3			343	
	79.060	79.060	79.060	79.060	79.060				
	66-70	66-70	66-70	66-70	66-70				
DRINI									
EASTMAIN	1.9	0.36	0.8	0.35	0.3	3.0	3.2	168	125
	86.030	86.030	86.030	86.030	86.030	86.030	86.030		
	2.2	0.2	1.7	0.6	1.4	2.4	8.0		
	70.100	70.100	70.100	70.100	70.100	70.100	70.100		
	68-69	68-69	68-69	68-69	68-69	68-69	68-69		

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EBRO	75	15.7	75.5	2	72.5	133.5	131.7	8370	7006
	69.067	69.067	69.067	69.067	69.067	69.067	69.067		
	63	63	63	63	80.50	98.1	145.0		
	76.2	10.9	54.4	2.45	95.001	95.001	95.001		
	95.001	95.001	95.001	95.001	79-82	79-82	79-82		
	79-82	79-82	79-82	79-82					
EEL									
ELBE	107	16.1	82.5	26.1	174	188	132	10920	11042
	82.093	82.093	82.093	82.093	82.093	95.001	82.093		
	75-77	75-77	75-77	75-77	75-77	79-90	75-77		
						153			
						82.093			
						75-77			
ELLICE	1.7		1.6	0.4	2.5	1.8	5	165	190
	82.205		82.205	82.205	82.205	82.205	82.205		
EMS					177				
					95.001				
					79-90				
ERHIAN									
ESCAMBIA	9.40	0.95	5.05	0.80	6.35	4.35	28.40	787	738
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
ESCONDIDO									
ESMERALDAS									
ESSEQUIBO	1.9	1.2	1.6	0.75	3.6	1	17.4	282	408
	73.110	73.110	73.110	73.110	73.110	73.110	73.110		
	66-72	66-72	66-72	66-72	66-72	66-72	66-72		
EVROS	60	14	16.0	3.0	25.0	50	170	4919	4556
	89.175	89.175	89.175	89.175	89.175	89.175	89.175		
FILYOS									
FITZROY EAST	16	10	15	3	27	4.5	96	2351	2430
	75.115	75.115	75.115	75.115	75.115	75.115	75.115		
FITZROY WEST									
FLINDERS	14	4.9	13	4	10.5	4.3	81	1770	1714
	75.115	75.115	75.115	75.115	75.115	75.115	75.115		
FLY	21.3	1.76	2.33	0.43		2.67	78.3	1320	1340
	83.058	83.058	83.058	83.058		83.058	83.058		
FORSTESCUE									
FRASER	17.7	3.6	2.9	0.7	2.4	8.2	51.3	1324	1081
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-91	79-91	79-91	79-91	79-91	79-91	79-91		
	16	2.5	1.55	0.75	0.1	8.0	60		
	60.018	60.018	60.018	60.018	60.018	60.018	60.018		
FUCHUN JIANG									
FUERTE									
FYRIS									
GALANA									
GAMBIA	4.25	2.00	3.20	1.10	0.42	0.53	23	544	400
	84.072	84.072	84.072	84.072	84.072	84.072	84.072		
GAMTOOS									
GANGES	23.2	6.5	9.6	2.6	5.0	8.0	119	2177	2259
	84.221	84.221	84.221	84.221	84.221	84.221	84.221		
	36.5	5.0	9.0	4.0	7.8	7.0	88		
	91.091	91.091	91.091	91.091	91.091	91.091	91.091		
	24.5	5.0	4.9	3.1	3.4	8.5	105.2		
	72.036	72.036	72.036	72.036	72.036	72.036	72.036		
	82	82	82	82	82	82	82		
	17.4	5.1	2.6	1.7	1.0	6.7	66		
	89.049	89.049	89.049	89.049	89.049	89.049	89.049		

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GARONNE	43.8	6.0	8	1.5	12.1	18.6	133	3066	2933
	82.092	82.092	82.092	82.092	82.092	82.092	82.092		
	75-78	75-78	75-78	75-78	75-78	75-78	75-78		
GASGOYNE									
GAUJA	51.6	6.5	5.4	1.0	6.4	32.3	190	3366	3968
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	81-88	81-88	81-88	81-88	81-88	81-88	81-88		
GEDIZ	51.9	26.9	24.6	1.8	32	35.6		5920	1670
	87.192	87.192	87.192	87.192	87.192	87.192			
	<84	<84	<84	<84	<84	<84			
GEORGE	2.3	0.5	0.75	0.50	0.30	2.80	8.90	201	215
	70.100	70.100	70.100	70.100	70.100	70.100	70.100		
	68-69	68-69	68-69	68-69	68-69	68-69	68-69		
GILBERT									
GIZHIGA									
GLAMA	4.69	0.7	1	0.7	1.1	4.5	13	353	345
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	82-89	82-89	82-89	82-89	82-89	82-89	82-89		
	4.80	0.96	1.2	0.76	1.7				
	79.060	79.060	79.060	79.060	79.060				
	66-70	66-70	66-70	66-70	66-70				
GLENELG									
GODAVARI	30.2	2.4	8.1	2.20	14.1	10	105	2113	2330
	83.241	83.241	83.241	83.241	83.241	83.241	83.241		
	18.4	8.75	18		12.5	8	94		
	95.001	95.001	95.001		95.001	95.001	95.001		
	80-87	80-87	80-87		80-87	80-87	80-87		
GOKSU									
GORONGOSE									
GOTA									
GOURITS									
GR BALEINE	2.50	0.25	0.85	0.35	0.20	2.30	7.80	191	185
	70.100	70.100	70.100	70.100	70.100	70.100	70.100		
	68-69	68-69	68-69	68-69	68-69	68-69	68-69		
GRANDE									
GRANDE DE SANTIAG									
GRANDE MATAGALPA									
GREAT FISH									
GREAT KEI									
GREY									
GRIJALVA					25	45	129		3768
					95.001	95.001	95.001		
					85-89	85-89	85-89		
GUADALUPE									
GUADIANA	66.4	31.60	42.50	3.7	63	170	132	7857	7497
	95.001	95.001	95.001	77.144	95.001	95.001	95.001		
	79-82	79-82	79-82		79-82	79-82	79-82		
	72	45	32		51.6	159	110		
	77.144	77.144	77.144		77.144	77.144	77.144		
GUALDALQUIVIR	100	33	105	7	160	163	233	12452	11725
	77.144	77.144	77.144	77.144	77.144	77.144	77.144		
GUAYAS									
GUNDLAKAMMA									
GURUPI									
HAAST									
HAI HO									
HAN					5.64	10.9	46		1156
					95.001	95.001	95.001		
					82-94	82-94	82-94		

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HANJIANG	5.55	1.36	2.48	1.80	1.70	3.65	26.7	543	562
	87.186	87.186	87.186	87.186	87.186	87.186	87.186		
	83	83	83	83	83	83	83		
HARI HARRICANA	13.5	2.15	2.3	1.0	1.0	9.5	40	976	884
	70.100	70.100	70.100	70.100	70.100	70.100	70.100		
	68-69	68-69	68-69	68-69	68-69	68-69	68-69		
HAYES	27.5	5.0	2.2	0.5	1.8	2.4	108	1892	1873
	78.172	78.172	78.172	78.172	78.172	78.172	78.172		
	74-76	74-76	74-76	74-76	74-76	74-76	74-76		
HELLEH	50	10	965		1630	913	1100	45296	83013
	89.174	89.174	89.174		89.174	89.174	89.174		
HOKITIKA HONG	15.5	8.1	11.1	1.5	8.3	11.4	81	1961	1800
	82.056	82.056	82.056	82.056	82.056	82.056	82.056		
HSIUKULUAN HUAI HUALIEN HUANG HE	47	20.6	54.50	4.10	54.70	67	205.0	6516	6330
	82.093	82.093	82.093	82.093	82.093	82.093	82.093		
	50	23.8	72.00	2.60	62.00	110	163.0		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	80-92	80-92	80-92	80-92	80-92	80-92	80-92		
	44.4	22.4	81.1	2.9					
	90.170	90.170	90.170	90.170					
HUDSON	18.50	3.23	5.57	0.93	10.06	18.00	65.50	1455	1743
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
	22	4	10	1.1	12	16	44		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-92	79-92	79-92	79-92	79-92	79-92	79-92		
HUN HUNTER IKOPA INCOMATI INDALSALVEN	16.8	1.06	1.41	0.55	1.55	8.5	47.6	1001	1001
	76.130	76.130	76.130	76.130	76.130	76.130	76.130		
	65-71	65-71	65-71	65-71	65-71	65-71	65-71		
INDERAGIRI INDIGIRKA	11.5	2.3	0.7	1.0	1.8	13.6	28.4	819	800
	96.003	96.003	96.004	96.004	96.003	96.003	96.003		
	81-90	81-90	62-75	62-75	81-90	81-90	81-90		
	12.1	2.6	4.3	91.096	1.6	7.2	38.4		
	96.004	96.004	91.096		96.004	96.004	96.004		
	62-75	62-75			62-75	62-75	62-75		
INDUS	26	6	9	2	7	26	90	2221	2251
	79.101	79.101	79.101	79.101	79.101	79.101	79.101		
	35	16	32	6	32	15	65		
	91.091	91.091	91.091	91.091	91.091	91.091	91.091		
	32.00	12.00	22.00		49.50	96	110		
	95.001	95.001	95.001		95.001	95.001	95.001		
	79-93	79-93	79-93		79-93	79-93	79-93		
INGURI	23.7	4.3	7.6	1.0	4.3	19.4	77.6	1894	1797
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	50-75	50-75	50-75	50-75	50-75	50-75	50-75		
IRRAWADDY	10	6	30	2	18	5	120	2349	2580
	00.081	00.081	00.081	00.081	00.081	00.081	00.081		
	76	76	76	76	76	76	76		
ISHIKARI	10.80	3.1	12.1	1.3	11.3	14.60	41.9	1354	1320
	60.020	60.020	60.020	60.020	60.020	60.020	60.020		
	56-57	56-57	56-57	56-57	56-57	56-57	56-57		
ISSER									

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ITATA									
JACUI					3.00 95.001 83-89		13.90 95.001 83-89		313
JAMES									
JEQUITINHONHA									
JIULONG	5.55 87.186 83	1.00 87.186 83	3.47 87.186 83	1.73 87.186 83	2.08 87.186 83	5.87 87.186 83	22.68 87.186 83	554	553
JUBBA	25 63.024 57-58	20 63.024 57-58	25 63.024 57-58	3 63.024 57-58	66 63.024 57-58	75 63.024 57-58	116 63.024 57-58	4058	5324
JUCAR	100 77.144	50 77.144	65 77.144	3 77.144	106 77.144	230 77.144	240 77.144	12009	11710
KALADAN									
KALIX									
KAMCHATKA	9.4 96.003 57-90	4.7 96.003 57-90	7.2 96.003 57-90	1.0 96.003 57-90	4.7 96.003 57-90	14.1 96.003 57-90	48.6 96.003 57-90	1195	1223
KANAIRIKTOV									
KAOPING									
KAPUAS									
KARUN									
KAZAN	2.9 76.131		0.5 76.131	0.4 76.131	0.6 76.131	1.3 76.131	10.00 76.131	177	208
KELANTAN	5.6 95.001 81-87	1.5 95.001 81-87	1.50 95.001 81-87	0.3 95.001 81-87	2 95.001 79-87	3 95.001 79-87	23 95.001 79-87	476	502
KEM									
KEMIJOKI	4.40 71.084 62-68	1.10 71.084 62-68	1.85 71.084 62-68	0.80 71.084 62-68	2.10 71.084 62-68	3.80 71.084 62-68	19.50 71.084 62-68	411	458
KENNEBEC	4.27 77.068	0.92 77.068	1.15 77.068	0.40 77.068	1.52 77.068	4.40 77.068	9.80 77.068	349	295
KHATANGA	12.5 96.003 81-90	3.6 96.003 81-90	9.7 96.003 81-90	1 96.003 81-90	12.5 96.003 81-90	5.6 96.003 81-90	47.9 96.003 81-90	1368	1255
KIKORI	37.3 83.058	4.0 83.058	1.3 83.058	0.2 83.058	0.3 83.058	1.1 83.058	125 83.058	2252	2081
KISO	5.2 60.020 56-57	0.7 60.020 56-57	3.1 60.020 56-57	0.98 60.020 56-57	1.3 60.020 56-57	1.8 60.020 56-57	20.5 60.020 56-57	477	410
KITAKAMI	8.8 60.020 56-57	2.0 60.020 56-57	5.5 60.020 56-57	0.86 60.020 56-57	5.9 60.020 56-57	19.3 60.020 56-57	21.4 60.020 56-57	865	923
KIZIL IRMARK	120 89.175	24 89.175	149 89.175	4 89.175	177 89.175	288 89.175	195 89.175	14544	14182
KLAMATH	18.00 77.080 75	7.46 77.080 75	7.66 77.080 75	1.26 77.080 75	4.16 77.080 75	8.80 77.080 75	91.80 77.080 75	1878	1808
KOBUK	21.6 91.088	3.66 91.088	0.94 91.088	0.43 91.088	0.55 91.088	13.7 91.088	32.7 91.088	1431	837
KODORI	17.7 96.003 66-90	2.2 96.003 66-90	3.4 96.003 66-90	1.0 96.003 66-90	2.2 96.003 66-90	11.9 96.003 66-90	59.6 96.003 66-90	1236	1287
KOKEMAENJOKI									

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KOKSOAK	3.20	0.75	1.15	0.55	0.35	2.75	12.80	285	280
	70.100	70.100	70.100	70.100	70.100	70.100	70.100		
	68-69	68-69	68-69	68-69	68-69	68-69	68-69		
KOLA	3.2	0.6	1.6	1.00	2.8	2.5	11.3	304	316
	96.004	96.004	96.004	96.004	96.004	96.004	96.004		
	55-59	55-59	55-59	55-59	55-59	55-59	55-59		
KOLYMA	10.8	2.4	2.8	1.8	2.80	14.10	34.8	904	944
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	80-92	80-92	80-92	80-92	80-92	80-92	80-92		
	11.0	2.3	1.50	1.0	2.30	7.12	26.0		
	96.004	96.004	96.004	96.004	96.003	96.003	96.003		
	55-75	55-75	55-75	55-75	81-90	81-90	81-90		
KONKOURE	1.06	0.50	1.20	0.62	1.21		7.75	162	161
	90.093	90.093	90.093	90.093	90.093		90.093		
KOUILOU									
KOVDA									
KRISHNA	27.5	13.5	42.5	3.0	37	63	125	4409	4408
	83.241	83.241	83.241	83.241	83.241	83.241	83.241		
	24.9	10.2	50.0		40.0	30.0	130.0		
	95.001	95.001	95.001		95.001	95.001	95.001		
	79-87	79-87	79-87		79-87	79-87	79-87		
KUBAN	55.9	11.2	46.0	1.0	29.0	105	156.6	5736	5588
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	79-85	79-85	79-85	79-85	79-85	79-85	79-85		
	48.7	13.4			22.0	101	130		
	95.001	95.001			95.001	95.001	95.001		
	80-91	80-91			80-91	80-91	80-91		
KUSKOKWIM	24.2	5.5	2.2	0.77	0.66	14.15	89.6	1776	1782
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
KVICHAK									
KYMLJOKI	5.55	1.50	5.0	1.30	6.45	14	8	651	604
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-92	79-92	79-92	79-92	79-92	79-92	79-92		
	4.2	1.2	3.2	1.5	2.5	8.6	9.5		
	71.084	71.084	71.084	71.084	71.084	71.084	71.084		
	62-68	62-68	62-68	62-68	62-68	62-68	62-68		
LA GRANDE	1.4	0.42	0.9	0.37	0.4	2.8	4.3	153	142
	86.030	86.030	86.030	86.030	86.030	86.030	86.030		
	1.90	0.20	1.50	0.65	0.9	1.4	7.6		
	70.100	70.100	70.100	70.100	70.100	70.100	70.100		
	68-69	68-69	68-69	68-69	68-69	68-69	68-69		
LANYANG									
LEICHHARDT									
LEMPA									
LEMRO									
LENA	17.1	5.10	4.50	0.70	12.00	13.60	53.10	1487	1493
	93.004	93.004	93.004	93.004	93.004	93.004	93.004		
	16.0	4.42			17.10	93	52		
	96.003	96.003			96.003		96.003		
	81-90	81-90			81-90		81-90		
	14	5.10	2.95	2.00	10.1	12.60	38		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	80-92	80-92	80-92	80-92	80-92	80-92	80-92		
LIAO									
LICUNGO									
LIELUPE	98.1	23.4	17.7	1	28	121	257	7613	7530
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	81-88	81-88	81-88	81-88	81-88	81-88	81-88		
LIGONHA									
LIJOKI									

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Annex XII Major ions

Rivières	Ca ⁺⁺ mg/L	Mg ⁺⁺ mg/L	Na ⁺ mg/L	K ⁺ mg/L	Cl ⁻ mg/L	SO ₄ ⁻ mg/L	HCO ₃ ⁻ mg/L	TZ ⁺ µeq/L	TZ ⁻ µeq/L
LIMPOPO	19.30	12.3	20.60	4.60	14.20	5.20	144.0	2989	2870
	63.024	63.024	63.024	63.024	63.024	63.024	63.024		
LJUNGAN LLOBREGAT LOIRE	39	6	13.1	3.6	20	23	120	3102	3038
	83.247	83.247	83.247	83.247	83.247	83.247	83.247		
	71-80	71-80	71-80	71-80	71-80	71-80	71-80		
LUAN LUGA	32.2	13.8	5.9	1.0	11.5	18.4	122.1	3025	2710
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	86-91	86-91	86-91	86-91	86-91	86-91	86-91		
LULEALVEN	3.03	0.60	1.1	0.68	1.3	4.0	8.9	266	266
	76.130	76.130	76.130	76.130	76.130	76.130	76.130		
	71	71	71	71	71	71	71		
LURIO									
MACKENZIE	35.6	8.2	7.6	1.0	7.9	35	110	2807	2765
	86.226	86.226	86.226	86.226	86.226	86.226	86.226		
	34.80	9.07	7.82	0.90	8.60	32	94		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-92	79-92	79-92	79-92	79-92	79-92	79-92		
	36.5	9.3	9.2	1.1	10.5	32.55			
	91.088	91.088	91.088	91.088	91.088	91.088			
	81-83	81-83	81-83	81-83	81-83	81-83			
MAE KLONG MAGDALENA	15.0	3.30	8.30	1.85	13.4	14.4	49.3	1428	1490
	79.101	79.101	79.101	79.101	79.101	79.101	79.101		
MAHAKAM	3.2	1.0	2.9	0.95	1.0	2.8	18.0	392	382
	84.216	84.216	84.216	84.216	84.216	84.216	84.216		
MAHANADI	10.4	9.5	10.2	1.5	30.9	15.0	60.9	1783	2182
	83.214	83.214	83.214	83.214	83.214	83.214	83.214		
MAHI MAIPO	119	12.0	66.2	3.9	140	269	98.8	9905	11168
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-88	79-88	79-88	79-88	79-88	79-88	79-88		
MAJES MAMBERAMO MANA MANANARA SUD MANAVGAT	42.20	5.60	3.70	1.20	4.60	4.90	154	2758	2757
	70.027	70.027	70.027	70.027	70.027	70.027	70.027		
MAND MANDRARE MANGOKY MANICOUAGAN	1.30	0.46	0.80	0.35	0.71	1.97	3.48	146	119
	86.172	86.172	86.172	86.172	86.172	86.172	86.172		
MAPUTO MARKHAM MARONI	1.6	1	3	1	7			318	197
	69.068	69.068	69.068	69.068	69.068				
MAULE MAZARUNI	4.8	0.9	1.5	0.3	2.9	5	15.3	387	437
	73.110	73.110	73.110	73.110	73.110	73.110	73.110		
	66-72	66-72	66-72	66-72	66-72	66-72	66-72		
MEARIM MEDJERDA MEGHNA MEKONG	14.2	3.2	3.6	2.0	5.3	3.8	57.90	1180	1178
	76.129	76.129	76.129	76.129	76.129	76.129	76.129		

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Annex XII Major ions

Rivières	Ca ⁺⁺ mg/L	Mg ⁺⁺ mg/L	Na ⁺ mg/L	K ⁺ mg/L	Cl ⁻ mg/L	SO ₄ ⁼ mg/L	HCO ₃ ⁻ mg/L	TZ ⁺ µeq/L	TZ ⁻ µeq/L
MENJIANG	4.00	0.82	2.00	1.20	0.80	4.00	16.80	385	381
	87.186	87.186	87.186	87.186	87.186	87.186	87.186		
	83	83	83	83	83	83	83		
MERRIMACK									
MESSALO									
MEUSE	70	7.50			36	43			
	95.001	95.001			95.001	95.001			
	79-84	79-84			79-84	79-84			
MEZEN	14.9	4.2	5.60	1.0	3.3	10.7	62.3	1358	1340
	96.004	96.004	96.004	96.004	96.004	96.004	96.004		
	63-89	63-89	63-89	63-89	63-89	63-89	63-89		
	11.40	3.7	4.8	0.7	2.60	7.7	52.2		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	80-90	80-90	80-90	80-90	80-90	80-90	80-90		
MINDANAO									
MINHO	10.4	1.0				3.5	28		
	74.111	74.111				74.111	74.111		
MIRA									
MISSISSIPPI	40	11	21	2.9	25.3	50.3	120.4	3839	3750
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	39	12	14	3.1	19.0	41.0	98.5		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-93	79-93	79-93	79-93	79-93	79-93	79-93		
	40.7	11.3	21.5	3.1	25.1	54.1	124.0		
	82.093	82.093	82.093	82.093	82.093	82.093	82.093		
	64-70	64-70	64-70	64-70	64-70	64-70	64-70		
MITCHELL	12.50	8.50	18.50	1.60	13.50		114.0	2169	2250
	75.115	75.115	75.115	75.115	75.115		75.115		
MOA									
MOBILE	13.10	2.20	5.73	1.53	5.50	11.30	42.40	1123	1090
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
MOGAMI	6.2	1.8	8.3	1.3	8.7	17.9	15.9	852	883
	60.020	60.020	60.020	60.020	60.020	60.020	60.020		
	56-57	56-57	56-57	56-57	56-57	56-57	56-57		
MOISIE	2.6	0.97	1.72	0.78	1.24	2.69	8.29	304	228
	86.172	86.172	86.172	86.172	86.172	86.172	86.172		
	3.2	0.6	1.25	0.4	1.0	3.3	11		
	70.100	70.100	70.100	70.100	70.100	70.100	70.100		
	68-69	68-69	68-69	68-69	68-69	68-69	68-69		
MONO									
MOOSE	23.80	4.7	2.6	0.8	3.2	10.6	87.5	1708	1746
	76.128	76.128	76.128	76.128	76.128	76.128	76.128		
MOTAGUA									
MOULOUYA									
MURCHISON	18.0	14.0	83	5.7	130	27	99	5807	5854
MURRAY	79.182	79.182	79.182	79.182	79.182	79.182	79.182		
	78-82	78-82	78-82	78-82	78-82	78-82	78-82		
	21	17	101	6	171	38	94		
	93.012	93.012	93.012	93.012	93.012	93.012	93.012		
	78-86	78-86	78-86	78-86	78-86	78-86	78-86		
	17	12	66	5.3	127	27	69		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-87	79-87	79-87	79-87	79-87	79-87	79-87		
MUSA									

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Annex XII Major ions

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MUSI	3.2	1.0	4.6	1.1	4.0	5.2	15.5	470	478
	78.170	78.170	78.170	78.170	78.170	78.170	78.170		
	4	1.85	3	1.20	4.3	3.50	17.0		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	86-93	86-93	86-93	86-93	86-93	86-93	86-93		
	3.0	1.0	3.1	1.0	2.2	4.3			
	78.170	78.170	78.170	78.170	78.170	78.170			
N. DVINA	30.0	7.2	5.0	1.0	5.4	38.70	83.0	2333	2319
	96.004	96.004	96.004	96.004	96.003	96.004	96.004		
	47-75	47-75	47-75	47-75	81-90	47-75	47-75		
	29.90	6.90	6.35	1.30	5.6	38.3	90.00		
	95.001	95.001	95.001	95.001	96.004	95.001	95.001		
	80-92	80-92	80-92	80-92	47-75	80-92	80-92		
NADYM									
NAG DONG									
NAGAVALI									
NARMADA	25	19.2	35		17	5	175	4350	3457
	95.001	95.001	95.001		95.001	95.001	95.001		
	79-87	79-87	79-87		79-87	79-87	79-87		
	14	20	27		25.00		225		
	83.241	83.241	83.241		83.241		83.241		
NARVA									
NASKAUI									
NASS									
NATASHQUAN	1.50	0.41	0.69	0.23	1.21	1.30	3.48	144	118
	86.172	86.172	86.172	86.172	86.172	86.172	86.172		
	7.42	2.67	12.27	2.50	17.50	16.00	20.60	1188	1165
NECHES	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
NEGARA	13.10	2.60	3.20	0.81	1.3	3.1	57	1028	1039
	78.170	78.170	78.170	78.170	78.170	78.170	78.170		
NEGRO ARG	21.70	4.40	1.60	28.0	20.10	20.60	70.80	2231	2157
NELSON	32.9	11.1	16.0	2.3	17.00	26	129	3310	3136
	78.172	78.172	78.172	78.172	78.172	78.172	78.172		
	72-76	72-76	72-76	72-76	72-76	72-76	72-76		
	25.60	8.78	11.3	1.8	12.30	17.40			
	95.001	95.001	95.001	95.001	95.001	95.001			
	87-92	87-92	87-92	87-92	87-92	87-92			
NEMANUS	69.4	22.5	15.8	1.0	27.7	60.1	248.6	6028	6110
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	81-90	81-90	81-90	81-90	81-90	81-90	81-90		
NERETVA									
NEUSE	5.49	1.80	7.70	2.45	8.37	9.25	20.40	820	771
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
NEVA	10.0	2.8	5.4	1.40	7.1	13.40	26.80	1000	922
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	80-91	80-91	80-91	80-91	80-91	80-91	80-91		
	9.80	2.50	3.00	1.50	6.80	9.60	29.40		
	84.212	84.212	84.212	84.212	84.212	84.212	84.212		
	66-78	66-78	66-78	66-78	66-78	66-78	66-78		
NICKERIE									
NIGER	5.50	1.90	1.80	1.10	0.90	0.50	33.50	537	585
	91.096	91.096	91.096	91.096	91.096	91.096	91.096		
	4.10	2.60	3.50	2.4	1.3	1	36		
	79.101	79.101	79.101	79.101	79.101	79.101	79.101		

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NILE	31	14	52	7.8	44	52	174	5161	5176
	93.027	93.027	93.027	93.027	93.027	93.027	93.027		
	22	5.30	8.1	3.2	5.7	12	135		
	96.010	96.010	96.010	96.010	96.010	96.010	96.010		
	25	7	17	4	8	9	134		
	79.101	79.101	79.101	79.101	79.101	79.101	79.101		
NIVA									
NOATAK									
NOTTAWAY	5.90	0.85	2.5	0.8	1.7	5.8	20.5	494	507
	70.100	70.100	70.100	70.100	70.100	70.100	70.100		
	68-69	68-69	68-69	68-69	68-69	68-69	68-69		
NTEM									
NUECES	108.60	19.8	109.4	5.76	198.40	136.9	202.8	11955	11803
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
NUSHAGAK									
NYANGA									
NYONG									
NZI									
OB	18.6	5.10	5.3	1	6.5	8.5	78.0	1604	1640
	96.004	96.004	96.004	96.004	96.004	96.004	96.004		
	55-90	55-90	55-90	55-90	10.00	9.00	79.0		
	17.4	95.001	4.00	3.0	95.004	95.004	95.004		
	95.001	80-92	95.004	95.004	3.80	5.40	81.7		
	80-92	5.00			95.001	95.001	95.001		
		95.004			80-92	80-92	80-92		
ODRA	86	13	50.5	21.20	107	101	150	8100	7618
	95.001	95.001	72.128	72.128	95.001	95.001	95.001		
	92-94	92-94			92-94	92-94	92-94		
OGOOUE									
OLENEK	20.1	4.2	3.2	1.0	4.8	4.8	72.6	1513	1426
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	81-90	81-90	81-90	81-90	81-90	81-90	81-90		
OLFUSA	3.8	1.40	8.47	0.53	5.59	3.72	32	685	760
	94.030	94.030	94.030	94.030	94.030	94.030	94.030		
	4	1.35	8.13	0.51	5.6	3.60	32.10		
	73.109	73.109	73.109	73.109	73.109	73.109	73.109		
OLIFANTS									
OMOLOY									
ONEGA	26.5	8.0	3.9	1	4.3	33.3	80.2	2178	2132
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	81-89	81-89	81-89	81-89	81-89	81-89	81-89		
	22.3	7.1	1.3	1	3	22.1	72.3		
	96.004	96.004	96.004	96.004	96.004	96.004	96.004		
	55-63	55-63	55-63	55-63	55-63	55-63	55-63		
ONILAHY									
ORANGE	18.10	7.84	13.40	2.25	10.60	7.15	107.0	2189	2214
	62.008	62.008	62.008	62.008	62.008	62.008	62.008		
ORD									
ORINOCO	2.59	0.66	1.47	0.66	0.86	2.31	9.99	264	237
	89.119	89.119	89.119	89.119	89.119	89.119	89.119		
	2.90	0.52	0.90	0.70	0.85		11.00		
	87.196	87.196	87.196	87.196	87.196		87.196		
OUEME									
OULUJOKI	2.60	0.85	1.38	0.40	2.10	2.90	11.0	270	300
	71.084	71.084	71.084	71.084	71.084	71.084	71.084		
	62-68	62-68	62-68	62-68	62-68	62-68	62-68		
OUM ER RBIA									
OYAPOK									
PAHANG									

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PALAR									
PAMPANGA									
PANGANI									
PANUCO	110	29.2	30.4	4	24.90	224	178.00	9317	8296
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-89	79-89	79-89	79-89	79-89	79-89	79-89		
PAPALOAPAN									
PARAIBA DO SUL	3.84	2.00	4.40	2.10	6.00	8.50	14.00	601	581
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-90	79-90	79-90	79-90	79-90	79-90	79-90		
PARANA	6.92	2.09	5.32	3.65	6.47	2.0	42.1	842	917
	91.089	91.089	91.089	91.089	91.089	95.001	91.089		
	4.0	2.4	2.4	1.4	2.0	79-92	35.4		
	95.001	95.001	95.001	95.001	95.001		3.2	69.063	
	79-92	79-92	79-92	79-92	79-92	76.135	64-66		
	5.4	2.4	5.5	1.8	5.9	4.1	21.0		
	76.135	76.135	76.135	76.135	76.135	69.063	95.001		
	5.4	3.4	10.4	2.5	14.3	64-66	79-92		
	69.063	69.063	69.063	69.063	69.063		30.7		
	64-66	64-66	64-66	64-66	64-66		76.135		
PARNAIBA									
PASAK									
PASCAGOULA									
PATSJOKI									
PATUCA									
PEARL									
PECHORA	10.4	2.8	3.00	1.0	4.10	8.0	38.90	905	921
	96.004	96.004	96.004	96.004	96.004	96.004	96.004		
	39-90	39-90	39-90	39-90	39-90	39-90	39-90		
	14.20	3.1	4.5	0.80	4.7	95.001	53.1		
	95.001	95.001	95.001	95.001	95.001	80-92	95.001		
	80-92	80-92	80-92	80-92	80-92		80-92		
PEE DEE	4.30	1.94	5.54	2.07	5.00	6.20	21.10	668	623
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
PEEL	45.1	11.10	3.9	0.7	2.7	43.0	130	3352	3103
	86.226	86.226	86.226	86.226	86.226	86.226	86.226		
	52	12	4.50	0.65	3.5	46	120		
	82.205	82.205	82.205	82.205	82.205	82.205	82.205		
	77	77	77	77	77	77	77		
PEINAN									
PENNER									
PENOBSCOT	6.57	1.35	3.07	0.57	2.97	8.55	14.30	587	496
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
PENZHINA	4.3	1.3	0.3	1	1.3	7.0	15.7	360	440
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	61-90	61-90	61-90	61-90	61-90	61-90	61-90		
PERAK									
PERIYAR									
PETIT MECATINA	1.40	0.43	0.80	0.31	0.53	1.1	3.84	148	101
	86.172	86.172	86.172	86.172	86.172	86.172	86.172		
	1.5	0.4	1.6	0.3	1.2	1.9	6		
	70.100	70.100	70.100	70.100	70.100	70.100	70.100		
	68-69	68-69	68-69	68-69	68-69	68-69	68-69		
PETITE RIVIERE BALI									
PINIOS									

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PITALVEN	3.08	0.6	1.37	0.62	1.08	3.75	10.40	279	279
	76.130	76.130	76.130	76.130	76.130	76.130	76.130		
	71	71	71	71	71	71	71		
PIURA									
PO	62.10	11.9	16.80	3.00	18.10	60.10	178.0	4886	4703
	85.200	85.200	85.200		85.200	85.200	85.200		
PONNAIYAR									
PONOI									
POTOMAC	27.00	7.00	8.00	2.40	11.00	31.00	74.00	2333	2188
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-93	79-93	79-93	79-93	79-93	79-93	79-93		
POVUNTNITUK									
PRA									
PREGOLYA	83.3	6.7	12.3	1.0	33.3	56.7	266.7	5269	6493
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	81-91	81-91	81-91	81-91	81-91	81-91	81-91		
PROGO	15.1	6.5	9.3	2.9	5.0	4.1	97	1767	1822
	78.170	78.170	78.170	78.170	78.170	78.170	78.170		
PULANGUI									
PUNGOE									
PUR									
PURARI	20.6	2.6	3.2	1.0	1.2	2.4	81	1407	1413
	83.058	83.058	83.058	83.058	83.058	83.058	83.058		
PYASINA									
QUOICH	1.5	1.2	0.5	0.25	0.7	1		202	
	82.205	82.205	82.205	82.205	82.205	82.205			
	77-79	77-79	77-79	77-79	77-79	77-79			
RAJANG									
RAMU									
RAPEL									
RED									
RESCATA									
RHINE	80.50	11.4	91.00	6.40	173.0	74.00	158.0	9077	9074
	89.173	89.173	89.173	89.173	89.173	89.173	89.173		
	75-84	75-84	75-84	75-84	75-84	75-84	75-84		
	76	11			161	71			
	95.001	95.001			95.001	95.001			
	79-84	79-84			79-84	79-84			
RHONE	70.8	6.5	11.3	2.1	22.4	46	176	4613	4476
	82.093	82.093	82.093	82.093	82.093	82.093	82.093		
	75-78	75-78	75-78	75-78	75-78	75-78	75-78		
	57.4	6.9	10.8	4.0		31.5			
	92.035	92.035	92.035	92.035		92.035			
RIO GRANDE (US)	83.20	22.20	130	5.9	148	235	159	11785	11668
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
	89.00	27.00	150	6.1	190	280	130		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-93	79-93	79-93	79-93	79-93	79-93	79-93		
RIONI	35.1	11.7	6.1	1.0	4.6	22.7	128.5	3003	2709
	96.003	96.003	96.003	96.003	96.003	96.003	96.003		
	81-90	81-90	81-90	81-90	81-90	81-90	81-90		
ROANOKE									
ROGUE	9.7	3.2	5.8	1.2	2.8	3.15	50.1	1030	966
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
ROMAINE	1.40	0.36	1.38	0.31	1.35	1.59	3.23	167	125
	86.172	86.172	86.172	86.172	86.172	86.172	86.172		
ROPER									

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RUFLJI	8.00	4.05	10.63	3.32	8.00		50.00	1280	
	95.001	95.001	95.001	95.001	95.001		95.001		
	80-87	80-87	80-87	80-87	80-87		80-87		
RUPERT	3.4	0.75	0.75	0.35	0.25	3.4	11.5	273	268
	70.100	70.100	70.100	70.100	70.100	70.100	70.100		
	68-69	68-69	68-69	68-69	68-69	68-69	68-69		
RUVUMA									
SABARMATI									
SABINE	6.55	2.20	11.50	2.25	18.30	12.60	20.50	1066	1116
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
SACRAMENTO	10.40	5.17	7.72	1.22	4.42	6.72	59.50	1311	1242
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
	12.00	6.00	9.00	1.40	6.00	8.00	59.00		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-94	79-94	79-94	79-94	79-94	79-94	79-94		
SAGUENAY	3.4	0.8	1.1	0.4	1.1	3.8	11	294	294
	70.100	70.100	70.100	70.100	70.100	70.100	70.100		
	68-69	68-69	68-69	68-69	68-69	68-69	68-69		
SAINT AUGUSTIN	1.60	0.46	1.15	0.31	1.77	1.49	3.35	176	136
	86.172	86.172	86.172	86.172	86.172	86.172	86.172		
SAINT JOHN	9.70	1.20	1.40	0.20	1.30	6.50	21.90	649	532
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-85	79-85	79-85	79-85	79-85	79-85	79-85		
SAINT JOHN'S									
SAINT LAWRENCE	31.0	4.0	11.0	1.80	22.00	24.0	87.0	2401	2549
	87.190	79.101	95.001	87.190	87.190	87.190	87.190		
	35.70	7.70	79-88	1.44	22.30	27.20	88.10		
	95.001	95.001		95.001	95.001	95.001	95.001		
	79-88	79-88		79-88	79-88	79-88	79-88		
SAKARYA	80	11	45	5	28	120	200	6983	6584
	89.175	89.175	89.175	89.175	89.175	89.175	89.175		
	58	31.3	33.9	4.29	23.4	100	206		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	80-87	80-87	80-87	80-87	80-87	80-87	80-87		
	61	30	34	4.3	25	125			
	87.192	87.192	87.192	87.192	87.192	87.192	87.192		
	<84	<84	<84	<84	<84	<84	<84		
SALADO (Arg)									
SALINAS									
SALWEEN	46	16	10	1	20	1	212	4073	4062
	00.081	00.081	00.081	00.081	00.081	00.081	00.081		
SAN ANTONIO									
SAN JOAQUIN	33.50	15.00	70.20	3.10	94.80	64.8	124.0	6039	6069
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
SAN JUAN									
SANAGA	3.25	1.40	2.41	1.88	0.75	0.91	20.85	430	382
	78.173	78.173	78.173	78.173	78.173	78.173	78.173		
SANTA									
SANTA CLARA									
SANTA CRUZ									
SANTEE	5.17	1.82	6.87	1.80	6.37	7.10	21.30	753	679
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		

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SAO FRANCISCO	8.0				2.45	2.45	50.6		950
	92.035				92.035	92.035	82.093		
					7.10		30		
					95.001		95.001		
					82-90		82-90		
SARAMACCA	4.2	2.3	5.1	2.4	2.6		34.1	682	633
SASSANDRA	82.055	82.055	82.055	82.055	82.055		82.055		
SAVANNAH	4.90	1.25	5.82	1.37	4.80	4.62	25.00	636	645
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
SAVE					58.50	120	279		8796
SAVIO					95.001	95.001	95.001		
SCHELDT					78-91	78-91	78-91		
SEAL	4.9	1.4	1.2	0.6	0.8	1.9	19	427	374
	78.172	78.172	78.172	78.172	78.172	78.172	78.172		
	72-76	72-76	72-76	72-76	72-76	72-76	72-76		
SEBOU	105	9.20	21.20	4.90	38.50	55.70	252	7044	6447
SEGURA	94.036	94.036	94.036	94.036	94.036	94.036	94.036		
SEINE	90-91	90-91	90-91	90-91	90-91	90-91	90-91		
SEMANI	3.9	2.9	2.2	1.2	1.00	2.40	29.5	560	562
SENEGAL	85.023	85.023	85.023	85.023	85.023		85.023		
	16.00	7.29	3.00		21.30		60.0		
	95.001	95.001	95.001	93	95.001		95.001		
	93	93	93		93		93		
SEPIK	15.5	4	3.5	0.4		4.5	73.5	1265	1299
	83.058	83.058	83.058	83.058	83.058	83.058	83.058		
SERAYU	8.7	2.9	4.8	1.61	1.5	12.4	38	923	931
	78.170	78.170	78.170	78.170	78.170	78.170	78.170		
SEVERN (Can)									
SEVERN (GB)									
SEYBOUSSE	48	10	11.49	1.57	21.30	28.85	158.5	3758	3810
SEYHAN	89.175	89.175	89.175	89.175	89.175	89.175	89.175		
			12.8	1.4	19.6	33.5			
			87.192	87.192	87.192	87.192			
			<84	<84	<84	<84			
SHANNON	52	22	31	3	32	73	180	5831	5373
SHATT EL ARAB	79.101	79.101	79.101	79.101	79.101	79.101	79.101		
SHCHUCHYA	8.10	2.00	6.40	1.82	5.40	12.3	30.30	894	918
SHINANO	60.020	60.020	60.020	60.020	60.020	60.020	60.020		
	56-57	56-57	56-57	56-57	56-57	56-57	56-57		
	5.55	5.4	7.85	1.75	10.3	16	24.50		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-92	79-92	79-92	79-92	79-92	79-92	79-92		
SHKUMBINI	150	34	17	3.8	17.4	43		11120	
SIMAV	87.192	87.192	87.192	87.192	87.192	87.192			
	<84	<84	<84	<84	<84	<84			
SINNAMARY									
SITTANG									
SKAGIT									

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SKEENA	10.6	2.1	1.7	0.4	0.6	7.0	37	786	771
	76.128	76.128	76.128	76.128	76.128	76.128	76.128		
	11.80	2.01	1.80	0.30	0.50	7.20	29.60		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	84-91	84-91	84-91	84-91	84-91	84-91	84-91		
SKELLEFTALV	3.48	0.50	1.07	0.59	0.87	4.3	9.94	276	277
	76.130	76.130	76.130	76.130	76.130	76.130	76.130		
	71	71	71	71	71	71	71		
SKIENSELVA	2.20	0.38	0.8	0.33	1.2			184	
	79.060	79.060	79.060	79.060	79.060				
	66-70	66-70	66-70	66-70	66-70				
SNOWY									
SOFIA									
SOLO	24.9	6.1	11.3	1.9	5.00	7.0	122	2285	2292
	78.170	78.170	78.170	78.170	78.170	78.170	78.170		
SOUMMAM									
SOUS									
STIKINE	18.5	4.5	2.4	0.5	0.3	13.5	65	1411	1355
	76.128	76.128	76.128	76.128		76.128	76.128		
	17.40		1.60	0.80		8.90	48.70		
	95.001		95.001	95.001		95.001	95.001		
	82-83		82-83	82-83		82-83	82-83		
STRYMON									
SUBARNAREKHA									
SURINAME	3	1.5	3	1			13	429	213
	69.068	69.068	69.068	69.068			69.068		
SUSITNA	20.20	3.00	4.60	1.65	6.40	12.4	64	1497	1488
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
SUSQUEHANNA	20.20	5.52	5.14	1.51	7.77	34.70	45.40	1724	1701
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
	23.00	6.00	7.00	1.60	11.00	32.00	42.00		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-93	79-93	79-93	79-93	79-93	79-93	79-93		
SUWANNEE	25.20	4.32	4.12	0.62	5.61	11.05	80.20	1808	1708
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
SWAN-AVON									
TA CHIA CHI									
TAKU									
TAMBO									
TAN SHUI									
TANA (Ken)		9.60	14.00	5.75	10.00	0.60	76.00	1546	1542
		95.001	95.001	95.001	95.001	95.001	95.001		
		83-88	83-88	83-88	83-88	83-88	83-88		
TANA (Nor)	5.0	2.13	5.5	0.90	8.3			687	
	79.060	79.060	79.060	79.060	79.060				
	66-70	66-70	66-70	66-70	66-70				
TANO									
TAPTI	49.6	30.4	8.3	3.0	44	39.4	242	5415	6037
	95.001	95.001	95.001	83.241	95.001	95.001	95.001		
	79-87	79-87	79-87		79-87	79-87	79-87		
	19.0	22.0	47.5		65.0	0.60	150		
	83.241	83.241	83.241		83.241	83.241	83.241		
	32	23.5	65	2	59.7	5	283		
	71.099	71.099	71.099	71.099	71.099	71.099	71.099		
TAR									
TAUY									
TAYMYRA									
TAZ									

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TEJO	45.4	15.4	28.3	2.7	41.8	97	95	4833	4765
	74.109	74.109	74.109	74.109	74.109	74.109	74.109		
	36.8	11.4	24.3	4.0	28.7	59.1	71.0		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	80-92	80-92	80-92	80-92	80-92	80-92	80-92		
TENRYU	13.1	2.3	3.7	1.17	2.1	7.9	42.6	1034	926
	60.020	60.020	60.020	60.020	60.020	60.020	60.020		
	56-57	56-57	56-57	56-57	56-57	56-57	56-57		
TENSIFT									
TERENGGANU									
TESHIO	5.3	2.20	7.0	1.2	8.1	4.0	27.6	781	770
	60.020	60.020	60.020	60.020	60.020	60.020	60.020		
	56-57	56-57	56-57	56-57	56-57	56-57	56-57		
TEVERE	103.4	28.20	86.90		100.0	86	391	11261	11044
	85.200	85.200	85.200		85.200	85.200	85.200		
THAANNE									
THAMES	97	5.40	30.90	6.50	43.50	64		6795	2672
	95.001	95.001	95.001	95.001	95.001	95.001			
	80-92	80-92	80-92	80-92	80-92	80-92			
THELON	4.5	1.00	0.7	0.4	3.3	1.9	13	348	346
	60.020	60.020	76.131	76.131	76.131	76.131	76.131		
THJORSA	4.56	1.81	10.52	0.56	4.58	6.38	41.6	848	945
	94.030	94.030	94.030	94.030	94.030	94.030	94.030		
	4.43	1.82	10.40	0.53	4.50	5.93	41.4		
	73.109	73.109	73.109	73.109	73.109	73.109	73.109		
TOCANTINS	1.08	0.92	1.90	1.30	4.00	0.80	19.2	245	445
	95.011	95.011	95.011	95.011	95.011	95.011	95.011		
TOKACHI	6.6	1.4	5.1	1.8	4.6	5.4	26.8	712	698
	60.020	60.020	60.020	60.020	60.020	60.020	60.020		
	56-57	56-57	56-57	56-57	56-57	56-57	56-57		
TONE	13.0	3.0	7.0	1.55	7.7	19.0	38	1240	1239
	60.020	60.020	60.020	60.020	60.020	60.020	60.020		
	56-57	56-57	56-57	56-57	56-57	56-57	56-57		
	16.50	3.95	11	2.5	16.4	36	29		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-92	79-92	79-92	79-92	79-92	79-92	79-92		
TORNIONJOKI	4.05	1.30	1.35	0.60	1.0	5.50	10.70	383	318
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	79-92	79-92	79-92	79-92	79-92	79-92	79-92		
	5.14	1.37	2.05	1.0	1.21	5.6	20.30		
	76.130	76.130	76.130	76.130	76.130	76.130	76.130		
	71	71	71	71	71	71	71		
TRENT									
TRINITY									
TSENGWEN									
TSIRIBIHINA									
TUGUR									
TULOMA									
TURIA									
UDA									
ULUA									
UME-VINDEALVEN	4.88	0.73	1.39	0.72	1.31	6.28	11.95	382	364
	76.130	76.130	76.130	76.130	76.130	76.130	76.130		
	71	71	71	71	71	71	71		
UMPQUA	7.60	2.27	5.35	0.98	3.00	3.00	34.80	824	718
	77.068	77.068	77.068	77.068	77.068	77.068	77.068		
	75	75	75	75	75	75	75		
URUGUAY	7	2	5	2	3	5	36.2	783	786
	79.101	79.101	79.101	79.101	79.101	79.101	79.101		
	5.90	2.40	2.84	1.35	2.00		26		
	95.001	95.001	95.001	95.001	95.001		95.001		
	82-87	82-87	82-87	82-87	82-87		82-87		

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USUMACINTA					9 95.001 85-89	89.5 95.001 85-89	141 95.001 85-89		4435
VAMSADHARA									
VAR									
VELLAR									
VENTA	70 96.003 81-88	15.5 96.003 81-88	10.6 96.003 81-88	1.0 96.003 81-88	15.5 96.003 81-88	42.6 96.003 81-88	244.2 96.003 81-88	5255	5328
VICTORIA									
VIOSE									
VOLTA	4.4 96.006	3.6 96.006			10 96.006		38 96.006		
	6.8 74.107	4.1 74.107	4.4 74.107	3.1 74.107	3.2 74.107	1.0 74.107	49.0 74.107		
VORONYA									
WAI AU	25 78.171	10.5 78.171			7.2 78.171	7 78.171	37 78.171	2112	956
WAIKATO	5.9 85.202	2.5 85.202	18.6 85.202	3.2 85.202	19.2 85.202	7.2 85.202	42.0 85.202	1391	1385
	7 95.001	2.4 95.001	19 95.001	3.22 95.001	19.3 95.001	7.4 95.001	35.3 95.001		
	6.8 79-93	2.2 79-93	18 79-93	0.8 79-93	23 79-93	19 79-93	39 79-93		
	6.8 75.111	2.2 75.111	18 75.111	0.8 75.111	23 75.111	19 75.111	39 75.111		
WAIMAKARIRI	9 95.001	0.8 95.001	2.3 95.001	0.6 95.001	0.9 95.001	5.5 95.001	24.6 95.001	630	545
	8.80 79-82	1.0 79-82	2.3 79-82	0.8 79-82	0.9 79-82	5.4 79-82	30.5 79-82		
	8.80 85.202	1.0 85.202	2.3 85.202	0.8 85.202	0.9 85.202	5.4 85.202	30.5 85.202		
	9 75.111	1 75.111		0.4 75.111	3 75.111	5 75.111	32 75.111		
WAI PAOA									
WAITAKI	7.6 75.111	1.0 75.111					27 75.111	462	443
WAMI									
WESER	56 81.186	151 81.186	574 81.186	42 81.186	1233 81.186	235 81.186	168 81.186	41265	42508
	71 71	71 71	71 71	71 71	95.001 79-90	71 71	71 71		
WINISK									
WISLA	90 95.001	13 95.001	62 95.001	4.9 95.001	147 95.001	76 95.001	190 95.001	8383	8873
	92-94	92-94	92-94	92-94	92-94	92-94	92-94		
WOURI									
WU CHI									
YALU									
YANA	6.1 96.003	1.5 96.003	2.8 96.003	1.0 96.003	2.3 96.003	9.0 96.003	20.7 96.003	572	592
	81-90	81-90	81-90	81-90	81-90	81-90	81-90		
	10.00 96.004	2.5 96.004	0.4 96.004	1.0 96.004	2.0 96.004	8.0 96.004	16.70 95.004		
	62-75	62-75	62-75	62-75	62-75	62-75	62-75		
YENISEY	16.5 96.004	3.7 96.004	5.2 96.004	1.0 96.004	9.50 96.004	10 96.004	57.30 96.004	1380	1417
	52-90	52-90	52-90	52-90	52-90	52-90	52-90		
	20.10 95.001	4.5 95.001	7.05 95.001	0.7 95.001	10.5 95.001	11.60 95.001	67.90 95.001		
	86-92	86-92	86-92	86-92	86-92	86-92	86-92		

The authors would welcome any comments or additional data

See page 180 for an explanation of terms used in this annex

Annex XII Major ions

Rivières	Ca ⁺⁺ mg/L	Mg ⁺⁺ mg/L	Na ⁺ mg/L	K ⁺ mg/L	Cl ⁻ mg/L	SO ₄ ⁻ mg/L	HCO ₃ ⁻ mg/L	TZ ⁺ µeq/L	TZ ⁻ µeq/L
YESIL	54.5	24.8	23.3	2.7	13.8	58.4		5843	
	87.192	87.192	87.192	87.192	87.192	87.192			
	<84	<84	<84	<84	<84	<84			
YODO	7.7	1.3	5.9	1.45	4.9	8.9	29.4	785	817
	60.020	60.020	60.020	60.020	60.020	60.020	60.020		
	56-57	56-57	56-57	56-57	56-57	56-57	56-57		
	12.6	2.10	14.40	2.30	13.6	19.6	33.8		
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
YUKON	79-92	79-92	79-92	79-92	79-92	79-92	79-92		
	31.8	7.16	2.60	1.19	1.09	22.4	109	2320	2286
	91.088	91.088	91.088	91.088	91.088	91.088	91.088		
	30.0	7.0	3.0	95.001	1.00	25.00	81.00		
	95.001	95.001	95.001	79-93	95.001	95.001	95.001		
	79-93	79-93	79-93		79-93	79-93	79-93		
	31.0	5.5	2.7	1.4	0.7	22	104		
	79.101	79.101	79.101	79.101	79.101	79.101	79.101		
	64-67	64-67	64-67	64-67	64-67	64-67	64-67		
	2.22	1.43	2.2	1.68	1.31	1.45	15.71	367	326
ZAIRE	95.008	95.008	95.008	95.008	95.008	95.008	95.008		
	2.67	2.07	2.17	1.49	3.32	1.43	17.15		
	93.010	93.010	93.010	93.010	93.010	92.035	93.010		
	2.40	1.40	2.10	1.50	1.65	93.010	12.60		
	92.035	92.035	92.035	92.035	92.035		92.035		
	2.20	0.86	2.00	1.33	2.70	2.0	7.1		
	80.151	80.151	80.151	80.151	80.151	80.151	80.151		
	10.6	4.1	5.4	1.9	6.5	3.0	32	1150	773
ZAMBEZI	77.049	77.049	77.049	77.049	77.049	77.049	77.049		
	9.70	2.20	4.0	1.2	1.00	74.107	24.9		
	74.107	74.107	74.107	74.107	74.107		74.107		
ZEROUD ZHUJIANG	32.4	4.8	2.7	1.2	3.20	8.20	100	2160	1911
	95.001	95.001	95.001	95.001	95.001	95.001	95.001		
	80-92	80-92	80-92	80-92	80-92	80-92	80-92		
	38.4	4.6	1.3	0.85	1.20	7.70	132		
	87.186	87.186	87.186	87.186	87.186	87.186	87.186		

The authors would welcome any comments or additional data

See page 180 for an explanation of terms used in this annex

Annex XIII

Alphabetical list of references

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Annex XIV

Chronological list of references

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