

WATER QUALITY OF RIVER BRAHMANI

Panposh U/s

Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	19	8.4	9.8	1.5	11.6	204	0.194
February		25	7.7	6.6	2.5	16.9	216	0.202
March		25	8.4	7.0	2.0	12.0	202	1.311
April		28	7.9	9.3	1.1	9.5	219	0.141
May		28	7.5	6.3	1.6	9.3	197	0.382
June		28	7.5	6.9	1.3	10.8	153	0.528
July		25	7.6	6.3	1.05	6.7	122	1.581
August		28	7.6	6.8	0.4	9.0	112	0.413
September		27	8.1	6.7	0.4	8.6	129	0.507
October			7.9	7.9	0.6	5.6	123	0.494
November								
December								
Minimum		19	7.5	6.3	0.35	5.6	112	0.140767
Maximum		28	8.4	9.8	2.5	16.9	219	1.581
Average		25.9	7.9	7.4	1.2	10.0	167.7	0.6

Panposh D/s

Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	20	7.7	8.4	5.6	45.5	369	4.260
February		25	7.5	6.2	4.5	38.2	321	0.157
March		22	7.2	6.1	5.2	38.0	365	2.872
April		30	6.8	8.8	5.2	43.3	375	8.554
May		27	7.2	5.1	3.2	22.4	429	2.215
June		27	7.7	5.8	4.8	32.4	225	1.130
July		26	7.4	5.8	2.8	15.2	219	2.146
August		26	7.8	6.6	4.4	27.0	202	4.489

September	26	8.0	6.3	2.1	20.7	170	0.004
October		7.3	7.6	4.2	27.9	220	1.871
November							
December							
Minimum	20	6.8	5.1	2.05	15.2	170	0.004
Maximum	30	8	8.8	5.6	45.5	429	8.554
Average	25.4	7.5	6.7	4.2	31.1	290	2.770

Rourkela D/s

Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	20	7.3	10.0	4.1	33.6	289	3.651
February		26	7.5	6.2	4.0	36.9	312	0.490
March		22	7.8	6.5	4.7	30.0	368	3.319
April		30	6.4	9.7	4.7	40.3	326	8.269
May		32	7.2	5.6	3.0	18.7	356	1.829
June		27	7.6	5.6	3.7	30.6	223	1.357
July		27	7.4	6.15	2.6	13.5	219	1.928
August		26	6.8	6.6	0.9	16.2	190	4.336
September		26	8.3	6.0	1.8	18.9	187	0.746
October			8.5	7.4	3.1	29.3	198	1.833
November								
December								
Minimum		20	6.4	5.6	0.85	13.5	187	0.490
Maximum		32	8.5	10	4.7	40.33	368	8.269
Average		26.2	7.5	7.0	3.3	26.8	267	2.776

Rourkela FD/s (Biritola)

Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January		22	7.6	11.7	3.9	27.8	227	0.214
Feb		26	7.8	6.8	3.7	32.3	240	2.993
Mar		29	8.2	7.7	3.6	28.0	265	1.054
April		34	7.7	11.4	3.6	37.6	288	1.138
May		39	7.6	8.6	1.8	9.4	213	0.689

June	2013	28	7.8	5.9	2.0	18.0	142	1.088
July		27	7.0	6.3	1.1	8.4	151	0.495
August		27	8.0	6.9	2.4	18.0	109	0.388
September		28	7.5	6.7	1.4	10.3	134	0.287
October			7.8	7.5	2.7	25.1	117	0.34
Nov								
Dec								
Minimum		22	7	5.9	1.1	8.4	109	0.214
Maximum		39	8.2	11.7	3.9	37.62	288	2.993
Average		28.9	7.7	8.0	2.6	21.5	189	0.869

Attaghat									
Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l	
January	2013	22	7.8	9.8	3.2	27.6	227	0.660	
Feb		26	8.0	7.7	3.6	30.9	254	1.657	
Mar		27	7.5	7.8	3.4	26.0	263	0.381	
April		33	8.1	9.4	2.8	27.1	259	1.602	
May		37	7.7	9.4	2.2	11.2	221	2.032	
June		28	8.0	6.2	2.8	21.6	139	1.121	
July		28	7.6	7.05	1.6	11.8	153	0.266	
August		27	7.8	6.9	2.6	21.6	109	1.526	
September		26	7.4	6.9	1.5	10.3	126	0.041	
October				7.4	7.2	1.95	19.5	119	0.834
Nov									
Dec									
Minimum		22	7.4	6.2	1.45	10.3	109	0.041	
Maximum		37	8.1	9.8	3.6	30.9	263	2.032	
Average		28.2	7.7	7.8	2.6	20.8	187	1.012	

Bonaigarh								
Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l

January	2013	24	8.4	9.8	1.4	5.8	231	2.189
Feb		26	7.9	8.9	2.3	16.9	238	0.462
Mar		28	7.9	8.7	2.2	14.0	262	0.396
April		34	8.3	8.5	1.6	9.5	263	2.408
May		37	8.3	8.4	1.6	11.2	233	1.486
June		28	7.5	6.2	1.1	5.4	132	1.079
July		21	7.1	6.7	0.9	10.1	143	0.686
Aug		29	8.1	6.9	1.4	16.2	107	0.536
Sep		28	7.6	6.8	0.5	10.3	135	0.576
Oct			7.8	7.7	0.4	4.2	118	0.312
Nov								
Dec								
Minimum		21	7.1	6.2	0.4	4.2	107	0.312
Maximum		37	8.38	9.8	2.3	16.9	263	2.408
Average		28.3	7.9	7.9	1.3	10.4	186	1.013

Rengali								
Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	24	8.2	7.5	1.2	5.8	187	1.419
Feb		26	8.0	8.9	2.6	12.7	162	0.546
Mar		28	8.3	8.4	1.0	8.0	147	1.195
April		34	8.2	8.6	0.6	7.6	137	0.127
May		39	8.1	8.1	1.0	5.6	167	0.322
June		29	8.3	6.9	0.6	7.2	160	0.290
July		26	7.8	8.6	0.75	8.4	155	0.309
Aug		28	7.7	6.6	0.6	10.8	107	0.139
Sep		29	7.4	8.2	0.8	12.1	111	0.237
Oct			7.7	8.4	0.4	11.1	124	0.401
Nov								
Dec								
Minimum		24	7.4	6.6	0.4	5.6	107	0.127
Maximum		39	8.3	8.9	2.6	12.7	187	1.419
Average		29.2	8.0	8.0	1.0	8.9	146	0.498

Samal								
Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	24	8.4	9.9	1.8	9.7	122	0.864
Feb		26	8.1	8.7	1.0	9.1	131	0.342
Mar		29	7.6	8.7	2.0	12.0	131	0.510
April		33	7.8	8.3	0.9	13.3	121	0.479
May		38	8.0	7.2	1.8	9.3	140	0.549
June		29	8.1	6.7	0.8	10.8	182	0.816
July		26	7.7	5.9	0.6	6.7	292	0.936
Aug		29	7.7	8.2	1.8	16.2	106	0.042
Sep		29	7.6	6.8	0.9	12.1	132	0.800
Oct			7.7	8.4	0.5	5.6	122	0.681
Nov								
Dec								
Minimum		24	7.6	5.9	0.5	5.6	106	0.042
Maximum		38	8.41	9.9	2	16.2	292	0.936
Average		29.2	7.9	7.9	1.2	10.5	148	0.602

Talcher FU/s								
Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	22	8.4	8.6	1.3	8.6	124	0.334
February		23	7.2	8.0	2.0	13.3	200	0.111
March		35	8.2	8.4	1.2	6.0	121	1.232
April		29	8.2	6.6	0.6	3.5	136	0.422
May		34	8.2	6.5	1.8	15.2	133	0.204
June		35	8.5	8.2	2.5	14.6	186	0.534
July		29	7.9	7.05	1.1	8.8	151	0.112
August		28	7.0	7.3	0.5	10.0	235	2.160
September		25	7.8	6.9	0.4	6.9	138	0.069
October			7.5	7.6	0.8	8.4	130	0.694
November								
December								

Minimum	22	7	6.5	0.4	3.52	121	0.069
Maximum	35	8.5	8.6	2.5	15.2	235	2.160
Average	28.9	7.9	7.5	1.2	9.5	155	0.587

Talcher U/s

Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	22	7.8	8.7	1.8	10.8	130	0.315
February		23	8.1	7.5	2.2	20.5	222	0.357
March		35	7.6	8.2	1.8	10.0	121	1.556
April		30	7.4	6.4	0.9	7.1	128	2.171
May		34	8.2	7.0	1.5	15.2	141	0.261
June		36	8.2	6.7	0.7	5.5	169	0.503
July		30	7.7	6.9	2.6	12.8	171	0.050
August		28	7.6	7.3	0.9	8.0	116	2.016
September		26	7.8	6.8	0.7	10.4	134	0.093
October			8.5	7.9	1.05	11.1	176	2.256
November								
December								
Minimum		22	7.4	6.4	0.7	5.5	116	0.050
Maximum		36	8.5	8.7	2.6	20.5	222	2.256
Average		29.3	7.9	7.3	1.4	11.1	151	0.958

Kamalanga D/s

Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	22	8.0	8.6	2.2	18.8	129	0.326
February		30	7.9	7.4	3.0	28.6	176	0.150
March		36	6.9	8.1	2.5	22.0	184	1.219
April		29	8.2	7.3	2.5	20.1	164	0.321
May		34	8.6	8.0	2.1	19.0	140	0.149
June		34	8.3	6.7	2.2	18.3	169	0.842
July		31	7.6	7.5	2.8	12.8	233	0.246
August		27	7.3	7.6	2.2	30.0	104	1.983

September	26	8.0	7.1	1.4	15.6	171	0.287
October		7.9	7.6	1.8	19.5	162	0.983
November							
December							
Minimum	22	6.9	6.7	1.35	12.8	104	0.149
Maximum	36	8.57	8.6	3	30	233	1.983
Average	29.9	7.9	7.6	2.3	20.5	163	0.650

Kamalanga FD/s

Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	23	8.1	8.6	1.6	15.8	145	0.469
Feb		24	7.8	6.3	2.1	19.7	153	0.512
Mar		36	7.7	8.9	1.5	14.0	128	0.768
Apr		28	8.0	6.3	2.0	18.3	137	0.118
May		34	7.3	6.9	1.4	11.4	135	0.190
June		34	8.3	6.9	1.0	9.2	187	0.727
July		29	8.1	7.7	2.75	15.3	229	0.333
Aug		28	8.1	6.8	1.2	12.0	118	1.584
Sep		27	8.1	6.7	0.8	12.1	214	0.069
Oct			8	7.6	1.6	12.5	267	0.254
Nov								
Dec								
Minimum	23	7.27	6.3	0.75	9.2	118	0.069	
Maximum	36	8.3	8.9	2.75	19.7	267	1.584	
Average	29.2	7.9	7.3	1.6	14.0	171	0.502	

Nandira D/s

Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013							
Feb		30	7.3	6.6	3.8	35.5	385	0.320
Mar		36	8.5	8.3	3.8	30.0	450	0.898
April		29	8.1	7.9	3.8	32.3	473	0.372
May		34	8.3	8.9	2.1	19.0	381	0.596
June		35	8.2	4.2	2.9	26.5	428	1.204
July		31	7.9	6.6	2.55	21.2	448	0.039

Aug	28	7.9	7.3	2.9	22.0	468	1.259
Sep	27	8.3	6.5	2.4	20.8	400	0.592
Oct		8.5	7.4	2.7	15.3	427	1.67
November							
December							
Minimum	27	7.3	4.2	2.1	15.3	381	0.039
Maximum	36	8.5	8.9	3.8	35.5	473	1.670
Average	31.3	8.1	7.1	3.0	24.7	429	0.772

Kisindhajhor

Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	22	8.4	7.6	1.4	11.6	736	1.572
Feb		26	8.5	7.0	2.8	21.3	567	1.498
Mar		36	7.6	8.3	4.7	42.0	576	0.027
April		29	7.9	9.3	1.3	8.8	603	4.983
May		34	8.4	8.6	1.1	11.4	297	0.473
June		35	8.1	6.4	2.7	18.3	507	1.405
July		31	8.0	6.1	3.1	24.8	466.6	0.566
August		27	8.3	6.5	1.0	12.0	230	0.670
Sep		26	8.2	6.8	1.0	13.8	290	0.094
Oct			8.5	7.6	1.75	15.3	396	1.662
Nov								
Dec								
Minimum		22	7.6	6.1	1	8.81	230	0.027
Maximum		36	8.5	9.3	4.7	42	736	4.983
Average		29.6	8.2	7.4	2.1	17.9	467	1.295

Dhenkanal U/s

Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January		27	8.3	8.2	1.4	11.6	133	0.577
Feb		25	8.2	8.7	1.6	12.3	185	0.457

Mar	2013	27	8.2	8.6	1.7	9.8	126	0.340	
April		26	7.9	8.8	0.9	8.8	148	0.481	
May		33	7.9	8.0	1.2	7.6	127	0.334	
June		30	8.1	7.6	1.0	7.3	152	0.724	
July		22	7.8	6.7	1.7	9.8	168	0.381	
Aug		28	7.8	6.8	1.1	7.7	108	0.080	
Sep		25	7.9	7.9	0.6	7.0	112	0.402	
Oct			7.8	7.1	0.8	8.4	178	1.322	
Nov									
Dec									
Minimum			22	7.8	6.7	0.6	7	108	0.080
Maximum			33	8.27	8.8	1.7	12.3	185	1.322
Average		27.0	8.0	7.8	1.2	9.0	144	0.510	

Dhenkanal D/s

Stn Name	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
Jan	2013	25	8.1	8.7	2.0	17.8	148	0.758
Feb		25	7.7	8.8	2.4	20.9	188	0.196
Mar		29	7.6	7.5	2.3	16.8	128	0.299
April		26	8.2	9.1	2.3	18.8	127	0.300
May		34	7.3	7.3	2.2	17.0	140	0.106
June		29	8.4	7.4	1.5	11.0	168	0.506
July		22	7.4	5.7	2	14.7	247	0.314
Aug		27	7.9	6.8	1.7	9.7	152	1.423
Sep		28	8.0	8.0	1.4	15.7	182	0.158
Oct			7.4	5.9	0.9	13.9	204	0.059
Nov								
Dec								
Minimum		22	7.31	5.7	0.9	9.7	127	0.059
Maximum		34	8.4	9.1	2.4	20.9	247	1.423
Average		27.2	7.8	7.5	1.9	15.6	168	0.412

Bhuban

Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	20	8.3	9.3	1.6	11.6	152	0.457
Feb		28	8.1	9.1	2.1	10.5	168	0.343
Mar		31	8.3	7.6	1.9	11.9	136	0.656
April		24	7.6	8.8	0.9	7.1	138	0.037
May		34	7.9	7.6	0.6	2.9	144	0.280
June		31	8.1	7.2	2.2	12.8	201	0.546
July		30	7.4	6.6	1.3	11.9	152	0.821
Aug		27	7.7	6.3	0.9	10.0	119	1.992
Sep		26	7.6	7.6	1.6	17.4	130	0.031
Oct			8.0	7.1	1.2	8.5	149	0.514
Nov								
Dec								
Minimum		20	7.4	6.3	0.6	2.9	119	0.031
Maximum		34	8.3	9.3	2.2	17.4	201	1.992
Average		27.9	7.9	7.7	1.4	10.5	149	0.568

Kabatabandha

Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	20	8.1	8.8	1.1	9.7	162	0.824
Feb		28	7.9	8.6	1.3	8.3	158	0.600
Mar		30	7.7	8.2	1.4	9.8	142	0.355
April		33	7.9	7.5	1.6	7.1	126	0.190
May		33	8.1	7.0	0.8	2.9	147	0.333
June		31	7.9	7.5	1.1	7.3	148	0.677
July		32	7.6	6.4	1.4	13.6	169	1.036
Aug		28	7.8	6.5	0.7	12.0	114	1.779
Sep		25	8.0	8.0	1.4	15.7	115	0.017
Oct			7.8	7	0.8	5.2	151	0.08
Nov								

Dec								
Minimum		20	7.6	6.4	0.7	2.9	114	0.017
Maximum		33	8.12	8.8	1.6	15.7	169	1.779
Average		28.9	7.9	7.6	1.2	9.2	143	0.589

Dharmasala

Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	25	8.0	7.6	0.8	7.8	210	0.176
Feb		28	8.0	8.5	1.6	9.8	222	0.599
Mar		27	8.2	9.2	1.6	10.0	227	1.371
April		32	7.8	9.5	1.4	8.0	136	0.878
May		33	8.5	9.2	2.2	11.3	130	0.307
June		28	8.0	6.4	1.5	11.0	182	0.813
July		27	7.7	6.6	1.3	12.0	170	1.353
Aug		26	7.9	6.8	1.1	11.7	156	0.800
Sep		25	7.8	6.8	1.3	11.3	137	0.151
Oct			7.9	7.5	1	8.5	181	0.823
Nov								
Dec								
Minimum		25	7.7	6.4	0.8	7.8	130	0.151
Maximum		33	8.5	9.5	2.2	12	227	1.371
Average		27.9	8.0	7.8	1.4	10.1	175	0.727

Pottamundai

Stn Name	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	22	8.1	8.9	1.5	7.8	189	0.485
February		20	7.9	9.3	1.3	8.3	181	0.355
March		33	8.3	9.1	1.4	8.0	249	0.256
April		30	8.4	8.4	0.8	6.9	193	0.484
May		30	7.6	7.2	1.8	11.3	222	1.147
June		30	8.2	7.5	1.3	12.8	196	0.568
July		26	7.8	6.6	1.2	13.1	196	0.604

August	26	8.3	6.6	0.9	11.8	147	0.076
September	26	7.4	5.2	1.2	15.1	204	0.361
October		7.6	6.1	1.2	12.7	197	2.511
November							
December							
Minimum	20	7.4	5.2	0.8	6.9	147	0.076
Maximum	33	8.4	9.3	1.8	15.1	249	2.511
Average	27.0	8.0	7.5	1.3	10.8	197	0.685

Khanditara

Stn Name	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	24	8.1	10.3	2.0	7.8	164	1.250
Feb		27	7.9	8.9	1.5	9.8	167	0.206
Mar		27	8.3	7.2	1.1	8.0	130	0.992
April		33	8.1	7.5	1.8	7.1	169	0.581
May		32	8.2	7.5	1.2	7.5	142	0.149
June		27	8.0	6.0	1.5	11.0	157	0.742
July		27	7.8	6.6	0.7	16.0	145	0.078
Aug		26	7.7	6.8	1.1	9.7	130	0.439
Sep		26	8.2	6.6	0.4	7.5	114	1.888
Oct			7.9	6.7	0.8	8.5	139	0.956
Nov								
Dec								
Minimum		24	7.7	6	0.4	7.14	114	0.078
Maximum		33	8.3	10.3	2	16	169	1.888
Average		27.7	8.0	7.4	1.2	9.3	146	0.728

Binjharpur

Stn Name	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January		27	8.4	8.6	1.3	9.7	181	0.557
Feb		28	8.1	8.9	1.3	8.1	168	0.247
Mar		31	8.2	8.1	1.2	8.0	154	1.254

April	2013	32	8.1	8.2	0.6	7.1	145	0.263
May		33	7.3	6.5	1.4	7.5	136	0.309
June		27	8.1	6.9	1.4	12.7	162	0.923
July		27	7.4	6.6	1.2	12.0	141	0.447
Aug		26	8.3	6.6	1.6	9.7	161	0.329
Sep		26	7.7	6.7	0.6	5.6	118	1.464
Oct			7.6	7.0	0.7	6.8	134	0.061
Nov								
Dec								
Minimum			26	7.3	6.5	0.55	5.6	118
Maximum		33	8.44	8.9	1.6	12.7	181	1.464
Average		28.6	7.9	7.4	1.1	8.7	150	0.585

Aul

Stn Name	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l	
January	2013	22	7.2	7.8	1.8	7.8	156	0.174	
February		26	7.8	7.5	1.7	11.6	228	0.685	
March		29	8.2	7.8	2.8	18.0	169	1.104	
April		31	8.3	7.1	0.5	3.5	132	0.465	
May		30	8.2	7.4	1.4	7.5	148	0.504	
June		30	8.0	6.0	1.4	9.2	145	0.749	
July		26	7.9	6.1	1.05	16.4	185	0.610	
August		26	7.7	6.6	1.3	13.7	145	0.018	
September		26	8.0	6.7	0.5	11.3	129	0.381	
October				7.8	6.1	1.85	12.7	140	0.636
November									
December									
Minimum		22	7.22	6	0.45	3.5	129	0.018	
Maximum		31	8.3	7.8	2.8	17.96	228	1.104	
Average		27.3	7.9	6.9	1.4	11.2	158	0.533	

Sankh								
Stn Name	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January		19	8.2	8.6	1.6	11.6	226	0.813
Feb		25	7.9	8.4	1.2	17.3	206	7.412

Mar	2013	23	8.1	7.6	2.8	20.0	157	1.249	
April		28	7.8	10.2	0.7	9.5	156	0.209	
May		26	7.9	6.5	1.6	7.5	153	1.660	
June		28	7.8	6.6	1.8	16.2	152	0.957	
July		23	7.5	6.3	0.9	8.4	110	2.281	
Aug		28	7.9	7.0	0.7	12.6	111	0.783	
Sep		27	7.5	6.7	0.3	5.2	132	0.722	
Oct			7.5	7.7	1.05	5.6	108	0.85	
Nov									
Dec									
Minimum			19	7.5	6.3	0.25	5.2	108	0.209
Maximum			28	8.19	10.2	2.8	20	226	7.412
Average		25.2	7.8	7.6	1.3	11.4	151	1.694	

Koel

Stn Name	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	21	8.2	13.5	1.5	7.8	187	0.434
Feb		24	8.0	8.2	2.4	20.2	191	0.195
Mar		26	8.4	7.1	3.1	28.0	228	1.359
Apr		29	8.3	7.5	2.1	15.7	246	0.204
May		30	8.3	5.9	1.2	9.3	256	1.130
June		30	8.1	6.8	0.9	9.0	147	0.693
July		23	7.8	6.6	1.6	13.5	167	0.690
Aug		26	7.8	6.7	0.4	10.8	112	0.163
Sep		26	7.5	6.9	0.8	8.6	135	0.235
Oct			8	8.4	0.5	5.6	136	0.073
Nov								
Dec								
Minimum		21	7.5	5.9	0.35	5.6	112	0.073
Maximum		30	8.4	13.5	3.1	28	256	1.359
Average		26.1	8.0	7.8	1.4	12.9	181	0.518

Guradhi nallah

Month	Year	Temp., 0C	pH	DO, mg/l	BOD, mg/l	COD, mg/l	Cond., mS/cm	Nitrate- N, mg/l
January	2013	20	7.5	8.5	11.1	69.4	410	8.529
February		24	7.2	6.6	8.3	64.6	432	5.511
March		22	7.8	5.1	12.8	54.0	411	5.585
April		34	6.1	8.4	9.8	15.2	434	8.195
May		27	7.5	5.3	8.2	47.0	457	0.402
June		28	7.6	5.6	6.3	50.4	370	1.352
July		26	7.3	5.6	3.6	23.6	434	7.074
August		27	5.1	5.8	8.3	36.0	487	9.256
September		27	7.4	6.4	3.4	27.6	385	7.110
Oct			7.6	6.9	4.7	44.6	411	6.385
November								
December								
Minimum		20	5.1	5.1	3.4	15.24	370	0.402
Maximum		34	7.8	8.5	12.8	69.4	487	9.256
Average		26.1	7.1	6.4	7.7	43.2	423	5.940

- 2013

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.112	9200	2400	5.83	0.5	C	BDL	92	4
0.112	9200	3500				BDL	92	BDL
0.224	9200	5400				0.009	76	2.0
0.392	5400	3500	6.0	0.9	C	BDL	94	BDL
0.165	1300	490	--	--	--	0.007	76	BDL
0.388	4900	3300	--	--	--	0.061	56	BDL
0.224	3300	2300	--	--	--	0.073	40	ND
0.220	1300	7900	--	--	--	0.003	36	BDL
0.168	35000	13000	--	--	--	0.012	48	BDL
0.168	24000	7900	6.0	0.48	C	0.005	48	0
0.112	1300	490	5.83	0.48	0	0.003	36	0
0.392	35000	13000	6	0.9	0	0.073	94	4
0.2	10280	4969	5.9	0.6	#DIV/0!	0.0	65.8	2.0

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.392	54000	22000	5.14	0.61	C	0.004	100	BDL
0.280	54000	24000				0.014	112	BDL
0.336	35000	28000				ND	80	BDL
0.448	28000	22000	5.14	0.51	C	BDL	68	BDL
0.385	7900	2700	--	--	--	0.991	84	BDL
0.61	>160000	92000	--	--	--	0.252	70	BDL
0.336	92000	54000	--	--	--	0.145	56	ND
0.220	92000	35000	--	--	--	0.006	50	BDL

0.504	160000	92000	--	--	--	0.004	68	BDL
0.224	160000	92000	5.8	0.77	C	0.006	56	0
0.22	7900	2700	5.14	0.51	0	0.004	50	0
0.61	160000	92000	5.83	0.77	0	0.991	112	0
0.4	75878	46370	5.4	0.6	#DIV/0!	0.2	74.4	0.0

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.224	92000	54000	5.2	0.36	C	0.006	96	BDL
0.336	92000	35000				0.009	88	BDL
0.280	35000	24000				0.023	68	BDL
0.448	35000	28000	5.2	0.36	C	0.013	58	BDL
ND	2400	790	--	--	--	0.047	84	BDL
0.666	13000	7900	--	--	--	0.349	62	BDL
0.952	35000	24000	--	--	--	0.140	56	ND
0.220	92000	54000	--	--	--	0.004	42	BDL
0.280	160000	92000	--	--	--	0.007	78	BDL
0.392	92000	54000	5.6	0.66	C	0.01	56	2
0.22	2400	790	5.2	0.36	0	0.004	42	2
0.952	160000	92000	5.6	0.66	0	0.349	96	2
0.4	64840	37369	5.3	0.5	#DIV/0!	0.1	68.8	2.0

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.224	2200	1100	--	--	--	0.002	88	BDL
0.112	5400	1400				0.004	90	BDL
0.112	2800	1300				0.013	68	BDL
0.336	1300	790	--	--	--	0.017	88	BDL
0.110	3300	780	--	--	--	0.018	60	BDL

0.222	24000	4900	--	--	--	0.042	48	BDL
0.448	790	330	--	--	--	0.063	32	ND
0.275	22000	17000	--	--	--	0.018	38	BDL
0.448	460	130	--	--	--	0.007	48	BDL
0.168	330	130				0.005	52	0
0.11	330	130	0	0	0	0.002	32	0
0.448	24000	17000	0	0	0	0.063	90	0
0.2	6258	2786	#DIV/0!	#DIV/0!	#DIV/0!	0.0	61.2	0.0

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.112	3500	1300	--	--	--	0.004	88	BDL
0.112	2400	790				0.018	92	BDL
0.112	2200	700				ND	80	BDL
0.280	1300	790	--	--	--	0.005	84	BDL
0.275	130	78	--	--	--	0.008	64	BDL
0.277	790	490	--	--	--	0.048	52	BDL
0.784	230	78	--	--	--	0.069	44	ND
0.330	13000	7900	--	--	--	0.010	36	BDL
0.224	1100	450	--	--	--	0.010	48	BDL
0.168	790	230				0.003	56	0
0.112	130	78	0	0	0	0.003	36	0
0.784	13000	7900	0	0	0	0.069	92	0
0.3	2544	1281	#DIV/0!	#DIV/0!	#DIV/0!	0.0	64.4	0.0

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
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0.112	330	230	--	--	--	BDL	80	9
0.168	490	130				BDL	80	BDL
0.392	1100	330				0.004	76	BDL
0.168	790	220	--	--	--	0.003	80	4.0
0.220	130	45	--	--	--	0.014	64	4
0.61	11000	7000	--	--	--	0.048	40	BDL
0.56	54000	22000	--	--	--	0.056	40	ND
0.330	7900	4900	--	--	--	0.013	40	BDL
0.336	7900	2300	--	--	--	0.004	48	BDL
0.112	330	130				0.01	48	0
0.112	130	45	0	0	0	0.003	40	0
0.61	54000	22000	0	0	0	0.056	80	9
0.3	8397	3729	#DIV/0!	#DIV/0!	#DIV/0!	0.0	59.6	4.3

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.224	230	130	--	--	--	BDL	72	10
0.336	790	230				BDL	64	BDL
0.168	1700	790				0.017	44	2.0
0.168	230	78	--	--	--	0.009	54	BDL
0.330	270	78	--	--	--	0.013	48	BDL
0.388	790	230	--	--	--	0.006	52	2
0.336	7900	1100	--	--	--	0.030	52	ND
0.110	78	45	--	--	--	0.003	40	BDL
0.224	490	130	--	--	--	0.014	44	BDL
0.112	140	45				0.007	52	0
0.11	78	45	0	0	0	0.003	40	0
0.388	7900	1100	0	0	0	0.03	72	10
0.2	1262	286	#DIV/0!	#DIV/0!	#DIV/0!	0.0	52.2	3.5

0.112	210	170	0	0	0	0.002	40	0
0.721	4900	2300	0	0	0	0.03	82	8
0.3	1503	764	#DIV/0!	#DIV/0!	#DIV/0!	0.0	51.6	3.3

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.448	1700	790	5.3	0.56	C	BDL	48	BDL
0.224	2800	1300				0.004	102	BDL
0.112	1700	1100				0.019	44	BDL
0.280	1700	1100	5.8	0.63	C	0.007	44	BDL
0.274	4600	1700	--	--	--	0.012	52	2
0.388	1300	780	--	--	--	BDL	56	BDL
0.605	7900	4900	--	--	--	0.002	54	ND
0.165	7900	4900	--	--	--	0.007	32	BDL
0.280	2200	1300	--	--	--	0.009	52	BDL
0.224	2200	790				0.008	64	2
0.112	1300	780	5.3	0.56	0	0.002	32	2
0.605	7900	4900	5.8	0.63	0	0.019	102	2
0.3	3400	1866	5.6	0.6	#DIV/0!	0.0	54.8	2.0

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.448	4900	3300	4.5	0.45	C	BDL	52	BDL
0.386	4900	2300				0.002	76	BDL
0.392	3900	2600				ND	58	BDL
0.224	3500	1700	5.2	0.55	C	0.019	60	BDL
0.165	11000	4900	--	--	--	BDL	52	0
0.499	2700	1100	--	--	--	0.087	56	2
0.385	11000	7000	--	--	--	0.002	76	ND
0.440	7900	4900	--	--	--	0.009	34	BDL

0.392	24000	7900	--	--	--	0.014	56	BDL
0.392	17000	7900	6	0.5	C	0.265	60	0
0.165	2700	1100	4.5	0.45	0	0.002	34	0
0.499	24000	7900	6	0.55	0	0.265	76	2
0.4	9080	4360	5.2	0.5	#DIV/0!	0.1	58.0	0.7

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.224	7900	4900	--	--	--	BDL	52	2
0.112	1300	790				0.003	66	BDL
0.224	2200	1100				ND	48	BDL
0.280	2200	1300	--	--	--	0.017	52	BDL
0.165	1700	780	--	--	--	BDL	48	2
0.277	6300	3300	--	--	--	BDL	60	BDL
0.275	4900	3300	--	--	--	0.004	94	ND
0.440	4900	2300	--	--	--	0.008	36	BDL
0.168	4900	2300	--	--	--	0.007	80	BDL
0.224	7900	2300				0.01	104	0
0.112	1300	780	0	0	0	0.003	36	0
0.44	7900	4900	0	0	0	0.017	104	2
0.2	4420	2237	#DIV/0!	#DIV/0!	#DIV/0!	0.0	64.0	1.3

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.336	3500	1700				0.006	116	BDL
0.112	2800	1700				0.021	116	8.0
0.616	9200	5400	--	--	--	0.017	124	BDL
0.220	1700	490	--	--	--	0.004	128	6
0.721	22000	11000	--	--	--	0.076	128	BDL
0.825	13000	7900	--	--	--	ND	134	2

0.330	7900	3300	--	--	--	0.040	140	BDL
0.280	54000	24000	--	--	--	0.005	170	2
0.392	28000	13000				0.006	166	8
0.112	1700	490	0	0	0	0.004	116	2
0.825	54000	24000	0	0	0	0.076	170	8
0.4	15789	7610	#DIV/0!	#DIV/0!	#DIV/0!	0.0	135.8	5.2

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.224	5400	1700	--	--	--	BDL	128	16
0.336	9200	2400				0.001	124	6.00
0.112	9200	3500				0.003	120	BDL
0.392	9200	3500	--	--	--	0.015	56	BDL
0.330	490	280	--	--	--	0.062	124	12
0.499	2200	1300	--	--	--	BDL	120	2
0.495	17000	13000	--	--	--	0.002	122	2
0.330	35000	17000	--	--	--	0.009	90	2
0.448	7900	3300	--	--	--	0.013	112	BDL
0.224	7900	2300				0.23	144	8
0.112	490	280	0	0	0	0.001	56	2
0.499	35000	17000	0	0	0	0.23	144	16
0.3	10349	4828	#DIV/0!	#DIV/0!	#DIV/0!	0.0	114.0	6.9

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.224	2200	940	--	--	--	0.004	48	4
0.448	1300	790				0.008	76	BDL

0.112	1700	1300				0.010	48	BDL
0.224	1400	790	--	--	--	BDL	58	BDL
0.220	4900	3300	--	--	--	0.0013	52	2
0.388	3300	1300	--	--	--	BDL	56	BDL
0.224	17000	7900	--	--	--	0.026	56	ND
0.220	24000	7900	--	--	--	BDL	40	BDL
0.168	54000	24000	--	--	--	0.015	42	BDL
0.224	790	220				0.017	60	0
0.112	790	220	0	0	0	0.0013	40	0
0.448	54000	24000	0	0	0	0.026	76	4
0.2	11059	4844	#DIV/0!	#DIV/0!	#DIV/0!	0.0	53.6	2.0

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.448	3300	1700	--	--	--	0.003	52	2
0.448	3300	1300				0.006	76	BDL
0.224	2200	1300				0.007	44	BDL
0.168	1400	1100	--	--	--	BDL	56	BDL
0.112	4600	3100	--	--	--	BDL	52	2
0.388	3900	1700	--	--	--	BDL	52	2
0.616	13000	4900	--	--	--	0.021	68	ND
0.220	35000	17000	--	--	--	0.005	50	BDL
0.280	92000	54000	--	--	--	0.014	60	BDL
0.308	13000	3300				0.012	72	0
0.112	1400	1100	0	0	0	0.003	44	0
0.616	92000	54000	0	0	0	0.021	76	2
0.3	17170	8940	#DIV/0!	#DIV/0!	#DIV/0!	0.0	58.2	1.5

0.112	490	330	0	0	0	0.002	40	0
0.504	92000	35000	0	0	0	0.021	68	0
0.3	14979	6222	#DIV/0!	#DIV/0!	#DIV/0!	0.0	51.8	0.0

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.112	2200	1700	--	--	--	BDL	88	BDL
0.112	3500	1300				0.002	84	BDL
0.224	2800	1700				0.015	54	BDL
0.168	2200	1700	--	--	--	BDL	48	BDL
0.275	2400	1300	--	--	--	0.007	44	8
0.444	4900	2300	--	--	--	0.030	64	BDL
0.392	11000	7900	--	--	--	0.023	56	ND
0.385	7900	4900	--	--	--	0.003	58	BDL
0.392	1700	700	--	--	--	0.024	42	BDL
0.224	2200.0	780.0				0.006	72	0
0.112	1700	700	0	0	0	0.002	42	0
0.444	11000	7900	0	0	0	0.03	88	8
0.3	4080	2428	#DIV/0!	#DIV/0!	#DIV/0!	0.0	61.0	4.0

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.112	2800	700	--	--	--	0.003	80	BDL
0.336	1300	490				0.008	88	BDL
0.112	1100	490				0.017	80	2.0
0.224	2800	1300	--	--	--	0.018	68	2.0
0.165	790	490	--	--	--	0.011	84	2
0.277	2700	1700	--	--	--	0.003	68	BDL
0.168	4600	2300	--	--	--	0.019	64	ND

0.220	24000	7900	--	--	--	0.004	54	4
0.504	7900	4900	--	--	--	0.014	62	BDL
0.168	24000	7900				1.287	68	0
0.112	790	490	0	0	0	0.003	54	0
0.504	24000	7900	0	0	0	1.287	88	4
0.2	7199	2817	#DIV/0!	#DIV/0!	#DIV/0!	0.1	71.6	2.0

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.224	9200	5400	--	--	--	BDL	72	BDL
0.112	790	330				0.003	62	BDL
0.280	700	460				0.009	44	2.0
0.168	940	490	--	--	--	BDL	58	BDL
0.495	490	330	--	--	--	0.0003	56	BDL
0.388	2200	1100	--	--	--	0.017	60	BDL
0.056	24000	7900	--	--	--	ND	52	ND
0.220	3300	1700	--	--	--	0.004	44	BDL
0.560	4900	780	--	--	--	0.008	42	BDL
0.448	2400.0	790				0.004	64	0
0.056	490	330	0	0	0	0.0003	42	0
0.56	24000	7900	0	0	0	0.017	72	2
0.3	4892	1928	#DIV/0!	#DIV/0!	#DIV/0!	0.0	55.4	1.0

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.112	3500	1300	--	--	--	0.016	64	BDL
0.336	3500	1300				0.004	60	BDL
0.112	1700	700				0.003	56	BDL

0.336	1300	790	--	--	--	0.017	58	BDL
0.385	1300	330	--	--	--	0.0009	52	BDL
0.499	2700	1100	--	--	--	0.024	56	BDL
0.28	790	330	--	--	--	ND	40	ND
0.385	160000	92000	--	--	--	0.003	52	BDL
1.460	4700	3400	--	--	--	0.030	42	BDL
0.056	2300.0	780.0				nd	60	0
0.056	790	330	0	0	0	0.0009	40	0
1.46	160000	92000	0	0	0	0.03	64	0
0.4	18179	10203	#DIV/0!	#DIV/0!	#DIV/0!	0.0	54.0	0.0

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.112	1100	330	--	--	--	0.001	60	BDL
0.224	2400	1300				0.003	62	BDL
0.112	5400	3500				0.016	40	BDL
0.280	9200	5400	--	--	--	0.022	52	2.0
0.112	1700	790	--	--	--	0.120	52	2
0.333	4900	2300	--	--	--	BDL	56	BDL
0.448	24000	13000	--	--	--	0.021	52	ND
0.385	11000	4900	--	--	--	0.008	40	BDL
0.336	17000	4900	--	--	--	0.008	42	BDL
0.112	2400	1300				0.133	58	0
0.112	1100	330	0	0	0	0.001	40	0
0.448	24000	13000	0	0	0	0.133	62	2
0.2	7910	3772	#DIV/0!	#DIV/0!	#DIV/0!	0.0	51.4	1.3

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.112	2800	1400	--	--	--	0.006	98	BDL
0.112	3500	1700				0.002	72	BDL

0.392	490	170				0.018	68	BDL
0.224	790	170	--	--	--	0.008	60	BDL
0.165	220	78	--	--	--	0.116	56	BDL
0.277	490	330	--	--	--	0.070	44	BDL
0.672	54000	17000	--	--	--	0.073	36	ND
0.385	13000	4900	--	--	--	0.013	40	BDL
0.112	1300	330	--	--	--	0.011	48	BDL
0.112	1700	680				0.004	40	0
0.112	220	78	0	0	0	0.002	36	0
0.672	54000	17000	0	0	0	0.116	98	0
0.3	7829	2676	#DIV/0!	#DIV/0!	#DIV/0!	0.0	56.2	0.0

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.112	2400	1300	--	--	--	BDL	88	BDL
0.112	2800	1100				0.007	72	BDL
0.168	3500	1300				0.008	92	2.0
0.280	2200	1300	--	--	--	0.004	112	2.0
ND	1300	490	--	--	--	0.978	108	4
0.61	1300	790	--	--	--	0.039	44	BDL
0.392	1700	790	--	--	--	0.030	64	ND
0.330	7000	4900	--	--	--	0.014	40	BDL
0.280	4900	1300	--	--	--	0.006	68	BDL
0.112	490	170				0.004	68	0
0.112	490	170	0	0	0	0.004	40	0
0.61	7000	4900	0	0	0	0.978	112	4
0.3	2759	1344	#DIV/0!	#DIV/0!	#DIV/0!	0.1	75.6	2.0

NH4-N, mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml	SI	DI	Class	Nitrite-N, mg/l	T. Alk., mg/l	P. Alk., mg/l
0.280	1,60,000	92000	--	--	--	0.006	110	BDL
0.224	>1,60,000	1,60,000				0.018	124	BDL
0.168	92000	54000				ND	86	BDL
0.392	54000	24000	--	--	--	0.012	38	BDL
0.165	13000	4900	--	--	--	BDL	84	BDL
0.61	35000	24000	--	--	--	0.277	8	BDL
0.672	92000	35000	--	--	--	0.262	96	ND
0.220	22000	11000	--	--	--	0.001	12	BDL
0.168	24000	7900	--	--	--	0.002	72	BDL
0.448	17000	7000				0.007	68	0
0.165	13000	4900	0	0	0	0.001	8	0
0.672	92000	92000	0	0	0	0.277	124	0
0.3	43625	28867	#DIV/0!	#DIV/0!	#DIV/0!	0.1	69.8	0.0

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
90	52	38	11.8	5.95	0.093	0.297	6.20	34
84	44	40	14.8	2.8	0.045	0.352	2.8	34
78	50	28	17.7	4.48	0.168	0.311	2.24	20
84	44	40	11.6	3.1	BDL	0.322	2.0	48
80	52	28	6.7	7.0	0.050	0.288	3.3	70
52	28	24	8.3	10.8	0.062	0.248	2.5	112
36	28	8	5.8	6.9	0.107	0.186	0.0	138
36	22	14	3.9	6.6	0.083	0.453	2.8	166
42	32	10	7.7	6.3	0.052	0.210	1.96	44
40	24	16	6.6	4.220	0.036	0.173	1.68	62
36	22	8	3.9	2.77228	0.036	0.173	0.013	20
90	52	40	17.7	10.82	0.168	0.453	6.2	166
62.2	37.6	24.6	9.5	5.8	0.1	0.3	2.5	72.8

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
126	70	56	27.4	32.28	0.054	1.270	6.40	76
120	76	44	36.3	27.9	0.067	1.520	3.4	30
112	76	36	32.4	48.01	0.091	1.620	1.96	22
116	72	44	26.9	54.5	0.842	1.480	2.5	46
140	96	44	30.6	54.2	0.040	1.520	4.1	46
76	48	28	13.8	23.6	0.229	1.670	3.0	160
64	48	16	10.6	26.4	0.091	0.416	0.0	208
60	42	18	11.6	21.5	0.069	0.901	2.5	366

66	42	24	10.1	5.3	0.044	0.306	1.68	78
76	50	26	13.2	20.890	0.067	0.458	3.08	94
60	42	16	10.06	5.34	0.04	0.306	0.038	22
140	96	56	36.3	54.4763	0.84224	1.67	6.4	366
95.6	62.0	33.6	21.3	31.5	0.2	1.1	2.9	112.6

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ --P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
114	64	50	23.5	25.54	0.067	0.984	5.30	72
100	80	20	26.6	19.7	0.045	0.666	1.7	38
106	76	30	34.4	47.51	0.170	0.620	2.24	34
108	76	32	25.1	40.0	0.079	0.765	3.1	62
98	64	34	28.7	32.5	0.040	1.540	3.3	54
60	40	20	9.2	20.7	0.018	0.515	3.3	112
60	44	16	12.5	22.4	0.064	0.438	0.0	90
60	40	20	9.6	19.7	0.081	0.245	2.8	356
80	56	24	9.6	6.7	0.091	0.330	2.80	66
76	50	26	13.2	19.650	0.052	0.445	3.08	112
60	40	16	9.2	6.71	0.018	0.245	0.048	34
114	80	50	34.4	47.5113	0.1696	1.54	5.3	356
86.2	59.0	27.2	19.2	25.4	0.1	0.7	2.8	99.6

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ --P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
84	54	30	14.7	9.11	0.336	0.418	4.20	66
98	60	38	16.7	16.5	0.040	0.963	2.8	48
92	54	38	18.6	27.11	0.128	0.872	2.24	14
116	72	44	19.2	32.6	0.000	0.855	2.5	42
60	36	24	14.0	22.8	0.050	0.696	2.8	100

44	8	36	8.3	8.6	0.043	0.298	2.5	96
48	32	16	6.7	26.9	0.112	0.222	0.0	194
36	24	12	5.8	10.8	0.085	0.202	2.5	276
54	30	24	9.7	5.7	0.056	0.196	2.24	72
44	24	20	6.6	2.480	0.042	0.166	2.24	100
36	8	12	5.8	2.48	0	0.166	0.03	14
116	72	44	19.2	32.6	0.33566	0.963	4.2	276
67.6	39.4	28.2	12.0	16.3	0.1	0.5	2.4	100.8

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
80	46	34	14.7	8.71	0.033	0.424	5.04	16
106	66	40	22.7	18.2	0.020	0.980	2.5	30
88	58	30	20.6	24.25	0.154	0.865	2.52	40
104	60	44	17.3	23.0	0.036	0.865	4.2	34
64	40	24	14.0	21.3	0.010	0.715	2.8	132
48	28	20	7.4	8.0	0.011	0.290	1.7	94
48	40	8	7.7	20.6	0.192	0.219	0.1	274
44	24	20	5.7	11.4	0.109	0.247	3.6	204
44	32	12	7.7	4.6	0.107	0.199	2.24	48
44	28	16	6.6	5.470	0.067	0.165	1.68	68
44	24	8	5.7	4.6	0.01	0.165	0.05	16
106	66	44	22.7	24.2531	0.192	0.98	5.04	274
67.0	42.2	24.8	12.4	14.6	0.1	0.5	2.6	94.0

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
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90	50	40	20.6	9.80	0.086	0.389	4.20	62
98	64	34	22.6	20.1	0.020	0.909	1.7	38
80	44	36	19.6	16.17	0.093	0.563	3.36	32
96	60	36	19.2	24.3	0.020	0.548	2.5	20
76	48	28	18.0	20.6	0.024	0.666	3.0	30
48	32	16	7.4	11.3	0.043	0.279	1.9	160
44	24	20	9.6	11.1	0.056	0.211	6.1	438
38	24	14	6.7	10.8	0.098	0.093	2.8	370
50	30	20	8.7	7.7	0.099	0.197	2.52	44
44	26	18	7.54	3.980	0.040	0.163	1.68	134
38	24	14	6.7	3.98	0.02	0.0925	1.68	20
98	64	40	22.6	24.2531	0.099	0.909	6.05	438
66.4	40.2	26.2	14.0	13.6	0.1	0.4	3.0	132.8

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
84	44	40	10.8	4.85	0.371	0.274	3.40	56
60	38	22	9.8	3.0	0.010	0.315	2.5	38
52	32	20	14.8	4.10	0.117	0.209	1.68	24
60	40	20	8.6	3.1	0.000	0.213	3.9	130
54	36	18	10.0	7.6	0.008	0.279	3.9	18
60	32	28	6.5	8.9	0.002	0.249	2.8	32
48	24	24	7.7	14.1	0.118	0.213	2.5	300
34	24	10	5.8	9.5	0.162	0.254	1.7	86
40	22	18	5.8	4.7	0.081	0.180	2.80	24
44	24	20	7.54	6.343	0.029	0.186	2.24	46
34	22	10	5.78	2.9703	0	0.18	1.68	18
84	44	40	14.8	14.054	0.37134	0.315	3.92	300
53.6	31.6	22.0	8.7	6.6	0.1	0.2	2.7	75.4

40	20	8	6.5	2.985	0.0032	0.153	1.12	26
82	52	30	21.2	23.48	0.15	0.338	4.8	256
53.4	33.6	19.8	10.1	9.6	0.0	0.3	2.6	83.6

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
52	36	16	6.8	5.15	0.019	0.277	5.04	50
92	62	30	14.8	5.3	0.029	0.283	3.1	20
48	26	22	10.8	8.46	0.018	0.289	1.96	80
44	20	24	15.4	5.0	0.061	0.278	1.4	60
48	32	16	6.5	6.5	0.092	0.267	2.8	44
56	32	24	7.4	11.7	0.109	0.323	1.7	78
60	32	28	12.5	10.2	0.029	0.270	2.8	108
38	20	18	7.7	13.9	0.062	0.248	3.9	180
54	28	26	7.7	6.5	0.005	0.250	3.08	132
56	38	18	12.3	10.820	0.046	0.195	1.68	62
38	20	16	6.5	4.975	0.0048	0.195	1.4	20
92	62	30	15.4	13.93	0.109	0.323	5.04	180
54.8	32.6	22.2	10.2	8.4	0.0	0.3	2.7	81.4

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
52	36	16	6.8	4.95	0.046	0.258	5.60	54
72	42	30	9.8	7.8	0.029	0.337	5.0	28
60	40	20	12.7	9.08	0.003	0.341	2.52	48
64	44	20	10.6	4.5	0.036	0.335	2.0	40
48	32	16	5.5	11.5	0.012	0.277	3.0	46
52	36	16	12.0	12.1	0.133	0.265	2.5	84
78	40	38	18.2	18.2	0.032	0.867	3.1	34
36	24	12	5.8	15.7	0.050	0.280	4.1	160

58	40	18	8.7	10.9	0.008	0.250	2.24	74
58	44	14	9.43	10.320	0.032	0.234	3.08	48
36	24	12	5.5	4.4775	0.0032	0.234	1.96	28
78	44	38	18.2	18.24	0.133	0.867	5.6	160
57.8	37.8	20.0	9.9	10.5	0.0	0.3	3.3	61.6

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ 3--P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
58	40	18	10.8	10.40	0.056	0.382	5.30	66
58	36	22	10.8	8.4	0.021	0.311	7.3	18
48	28	20	12.7	7.34	0.064	0.305	1.40	42
48	24	24	11.5	7.0	0.015	0.317	0.8	42
60	48	12	8.3	7.2	0.001	0.286	2.2	54
56	40	16	9.2	15.0	0.016	0.371	2.8	422
98	60	38	10.6	12.8	0.024	0.423	2.8	64
40	24	16	7.7	15.4	0.077	0.249	2.5	208
72	48	24	8.7	10.3	0.003	0.310	3.36	66
92	58	34	10.37	8.830	0.021	0.340	1.68	68
40	24	12	7.7	6.965	0.001	0.249	0.84	18
98	60	38	12.7	15.42	0.077	0.423	7.3	422
63.0	40.6	22.4	10.1	10.3	0.0	0.3	3.0	105.0

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ 3--P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
136	80	56	20.3	49.7	0.006	2.670	2.8	26
172	110	62	32.5	49.10	0.070	2.400	2.52	34
164	80	84	35.9	55.7	0.026	2.560	3.1	58
118	72	46	33.0	14.3	0.006	1.450	3.0	34
154	88	66	30.4	48.6	0.168	1.640	3.3	98
140	84	56	33.8	42.4	0.018	1.450	2.5	84

176	146	30	19.3	55.7	0.165	0.260	2.8	42
174	98	76	21.2	29.6	0.034	1.010	2.80	62
170	108	62	22	35.570	0.077	0.754	3.36	54
118	72	30	19.28	14.3	0.006	0.26	2.47	26
176	146	84	35.9	55.72	0.168	2.67	3.36	98
156.0	96.2	59.8	27.6	42.3	0.1	1.6	2.9	54.7

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
246	160	86	73.9	79.60	0.250	5.720	4.50	114
200	124	76	52.0	71.9	0.154	6.520	3.6	24
168	108	60	57.8	50.70	0.082	5.640	1.96	44
156	108	48	73.4	91.3	0.366	5.720	3.1	174
148	104	44	18.0	10.3	0.012	0.356	2.5	34
164	80	84	65.3	58.1	0.166	1.990	2.5	52
168	96	72	30.9	50.0	0.052	3.650	2.5	116
96	66	30	9.6	15.3	0.069	0.193	3.6	10
112	76	36	14.5	24.3	0.016	1.120	2.24	38
160	96	64	20.7	27.860	0.331	1.580	3.08	92
96	66	30	9.64	10.3	0.012	0.193	1.96	10
246	160	86	73.9	91.2913	0.36608	6.52	4.5	174
161.8	101.8	60.0	41.6	47.9	0.1	3.2	3.0	69.8

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
64	44	20	6.8	5.54	0.062	0.269	3.90	58
80	46	34	12.8	7.0	0.005	0.322	5.0	94

44	30	14	12.8	4.60	0.013	0.330	1.96	52
62	40	22	10.6	5.3	0.125	0.372	1.4	56
48	28	20	7.2	4.6	0.010	0.274	2.8	110
56	36	20	6.1	20.4	0.120	0.289	3.1	106
56	36	20	13.5	17.0	0.104	0.187	3.1	584
34	30	4	5.8	3.2	0.136	0.751	1.7	224
44	30	14	6.7	6.9	0.177	0.182	2.80	94
58	38	20	13.2	12.188	0.046	0.212	2.24	72
34	28	4	5.78	3.23	0.0048	0.182	1.4	52
80	46	34	13.49	20.397	0.177	0.751	4.98	584
54.6	35.8	18.8	9.6	8.7	0.1	0.3	2.8	145.0

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
64	44	20	7.8	6.53	0.062	0.285	3.64	108
80	44	36	14.8	8.1	0.010	0.401	2.8	34
48	28	20	14.8	3.86	0.013	0.379	2.80	76
62	44	18	9.6	2.2	0.015	0.396	2.5	44
48	28	20	8.3	5.6	0.010	0.265	2.2	56
64	40	24	8.3	12.8	0.106	0.319	1.9	90
76	56	20	17.4	20.5	0.243	0.189	2.2	536
48	32	16	9.6	8.8	0.045	1.530	3.1	152
58	42	16	9.6	7.4	0.014	0.224	2.52	136
78	46	32	13.2	7.711	0.037	0.246	3.92	132
48	28	16	7.8	2.23875	0.0096	0.189	1.94	34
80	56	36	17.36	20.521	0.243	1.53	3.92	536
62.6	40.4	22.2	11.3	8.4	0.1	0.4	2.8	136.4

36	22	12	6.5	3.73	0.00132	0.165	1.96	20
60	40	24	18.7	11.566	0.123	0.321	4.48	224
48.6	31.2	17.4	10.7	7.0	0.1	0.3	2.8	90.3

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
84	48	36	15.7	4.75	0.042	0.206	3.40	4
68	52	16	17.7	5.6	0.075	0.424	3.4	52
56	34	22	18.7	6.22	0.053	0.409	2.80	38
52	24	28	10.6	6.0	0.571	0.425	2.0	58
52	30	22	6.5	1.5	0.008	0.279	2.5	50
60	36	24	10.1	8.2	0.029	0.312	3.6	216
60	36	24	8.7	18.0	0.313	0.249	3.0	1224
46	34	12	9.6	5.8	0.117	0.736	2.0	368
58	40	18	9.6	15.2	0.088	0.217	3.03	104
60	40	20	13.2	9.2	0.086	0.232	3.92	48
46	24	12	6.5	1.5	0.008	0.206	1.96	4
84	52	36	18.7	18.034	0.57088	0.736	3.92	1224
59.6	37.4	22.2	12.1	8.1	0.1	0.3	3.0	216.2

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
82	52	30	16.7	5.05	0.020	0.288	4.20	82
80	48	32	12.7	6.7	0.037	0.401	3.9	60
72	50	22	18.7	12.06	0.040	0.411	1.40	34
76	46	30	14.4	5.4	0.123	0.399	1.4	40
72	40	32	9.0	8.0	0.012	1.310	1.7	40
68	40	28	12.0	25.0	0.098	0.501	1.9	72
64	44	20	14.5	17.5	0.076	0.234	1.7	454

56	38	18	9.6	10.6	0.053	0.180	1.9	124
58	44	14	11.6	9.2	0.020	0.237	2.20	70
50	32	18	11.3	8.581	0.059	0.211	1.12	52
50	32	14	9	5.04951	0.012	0.18	1.12	34
82	52	32	18.7	25	0.12288	1.31	4.2	454
67.8	43.4	24.4	13.0	10.8	0.1	0.4	2.1	102.8

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
76	44	32	9.8	11.09	0.141	0.292	4.50	24
60	36	24	12.8	6.0	0.051	0.328	2.0	88
44	28	16	14.8	5.60	0.008	0.353	2.24	16
68	32	36	10.6	7.7	0.072	0.344	2.5	64
48	28	20	5.5	1.4	0.008	0.287	1.9	58
56	32	24	7.4	5.8	0.036	0.286	4.7	205
52	36	16	8.7	17.4	0.214	0.208	2.5	332
44	28	16	7.7	9.8	0.060	0.142	2.5	468
36	26	10	5.8	4.6	0.116	0.203	2.75	106
54	34	20	6.6	6.21	0.050	0.215	0.84	58
36	26	10	5.5	1.4	0.008	0.142	0.84	16
76	44	36	14.8	17.362	0.214	0.353	4.67	468
53.8	32.4	21.4	9.0	7.6	0.1	0.3	2.6	141.9

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
64	36	28	8.8	6.24	0.124	0.243	3.60	14
56	44	12	16.7	4.5	0.059	0.308	2.2	58
52	32	20	16.7	4.85	0.002	0.315	3.36	22

68	40	28	8.7	5.0	0.059	0.317	2.0	24
48	32	16	5.5	0.5	0.005	0.280	0.8	58
56	32	24	8.3	9.1	0.010	0.249	2.5	207
44	24	20	15.4	16.1	0.532	0.214	2.8	458
44	30	14	11.5	7.3	0.050	0.097	1.4	234
44	28	16	7.7	6.9	0.121	0.171	4.95	110
54	30	24	6.6	3.7	0.032	0.173	2.24	56
44	24	12	5.5	0.5	0.0016	0.0969	0.82	14
68	44	28	16.7	16.068	0.532	0.317	4.95	458
53.0	32.8	20.2	10.6	6.4	0.1	0.2	2.6	124.1

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ --P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
52	36	16	12.8	9.41	0.122	0.301	5.04	60
56	32	24	39.2	5.8	0.029	0.340	3.1	44
56	26	30	14.7	17.29	0.038	0.372	2.52	66
60	36	24	9.6	7.3	0.110	0.381	2.2	22
60	32	28	6.4	11.7	0.024	0.296	3.3	44
52	36	16	7.4	11.4	0.122	0.275	1.9	68
60	36	24	17.4	25.1	0.107	0.228	3.6	218
40	28	12	9.6	11.4	0.045	0.267	2.8	256
46	24	22	7.7	5.7	0.011	0.208	1.10	148
46	32	14	7.54	8.457	0.126	0.198	1.96	56
40	24	12	6.4	5.72	0.011	0.198	1.1	22
60	36	30	39.2	25.123	0.1264	0.381	5.04	256
52.8	31.8	21.0	13.2	11.4	0.1	0.3	2.8	98.2

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ --P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
94	58	36	18.7	6.44	0.077	0.299	4.48	54
72	40	32	9.8	4.8	0.179	0.520	2.8	58

60	26	34	12.8	4.85	0.157	0.422	2.52	36
64	52	12	11.5	3.1	0.008	0.465	2.2	60
44	24	20	8.3	8.3	0.024	0.292	3.3	114
52	40	12	7.4	17.0	0.048	0.265	3.0	138
44	28	16	7.7	6.9	0.1	0.177	1.9	242
36	26	10	6.7	10.6	0.088	0.271	1.7	186
42	30	12	9.6	8.0	0.070	0.140	2.29	26
36	20	16	6.6	7.830	0.059	0.167	1.12	60
36	20	10	6.6	3.10938	0.00768	0.14	1.12	26
94	58	36	18.7	17.04	0.1792	0.52	4.48	242
54.4	34.4	20.0	9.9	7.8	0.1	0.3	2.5	97.4

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
88	52	36	10.7	3.96	0.078	0.242	3.92	22
64	36	28	13.8	3.4	0.010	0.343	1.7	10
92	56	36	14.7	5.22	0.128	0.283	1.68	20
100	72	28	12.7	6.0	0.023	0.287	1.1	38
96	68	28	10.1	6.5	0.026	0.279	2.5	82
44	32	12	6.5	6.1	0.026	0.249	2.2	108
64	36	28	9.6	10.1	0.024	0.185	4.7	108
38	26	12	5.8	10.4	0.090	0.339	2.0	336
54	36	18	8.7	2.9	0.060	0.198	3.08	140
56	34	22	7.54	3.480	0.033	0.187	1.68	122
38	26	12	5.78	2.86	0.0096	0.185	1.12	10
100	72	36	14.7	10.44	0.128	0.343	4.67	336
69.6	44.8	24.8	10.0	5.8	0.0	0.3	2.4	98.6

Hardness CaCO ₃ , mg/l	Ca as CaCO ₃ , mg/l	Mg as CaCO ₃ , mg/l	Chloride , mg/l	Sulphate , mg/l	PO ₄ ³⁻ -P, mg/l	Fluoride, mg/l	Total Kjeldahl N, mg/l	TSS, mg/l
144	104	40	35.9	44.74	0.089	1.710	7.60	22
136	92	44	45.0	45.3	0.006	3.060	3.6	64
146	86	60	44.3	67.78	0.019	2.970	2.80	40
124	72	52	55.1	69.6	0.023	2.820	2.5	24
148	98	50	35.2	66.0	0.016	2.120	3.6	56
116	92	24	23.0	104.5	0.015	2.270	3.6	188
128	96	32	30.9	61.1	0.033	1.550	0.1	182
104	60	44	60.1	89.9	0.163	0.159	2.2	62
112	70	42	32.9	48.5	0.219	1.360	2.80	72
132	82	50	34.89	59.940	0.070	1.310	5.32	76
104	60	24	23.04	44.7426	0.0064	0.159	0.068	22
148	104	60	60.13	104.48	0.219	3.06	7.6	188
129.0	85.2	43.8	39.7	65.7	0.1	1.9	3.4	78.6

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
122	134	4.1	7.0	4.2	0.011	--	--	--
127	148	24.7	8.9	2.3	0.057	0.3	2.30	2.3
117	90	7.0	11.1	3.9	0.019	--	--	--
120	116	2.0	7.1	2.7	0.026	--	--	--
110	150	22.3	3.9	1.7	BDL	--	--	--
86	162	95.0	6.0	2.7	0.003	--	--	--
68	170	120	4.1	1.7	0.090	--	--	--
64	194	120	1.8	0.9	0.037	--	--	--
74	94	35	5.7	0.8	0.041	--	--	--
70	108	36	4.19	2.05	0.007			
64	90	2	1.75	0.77	0.003	0.3	2.3	2.3
127	194	120	11.1	4.18	0.09	0.3	2.3	2.3
95.8	136.6	46.6	6.0	2.3	0.0	0.3	2.3	2.3

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
201	232	42.7	14.9	4.7	0.015	--	--	--
209	202	11.7	20.2	6.7	0.038	0.9	5.60	9.6
224	184	3.0	21.7	8.7	0.007	--	--	--
216	216	5.0	15.3	5.8	0.011	--	--	--
225	221	10.5	16.0	5.6	0.003	--	--	--
134	244	80.0	7.8	3.9	BDL	--	--	--
128	282	130	7.1	2.9	0.060	--	--	--
126	398	131	8.4	3.7	0.003	--	--	--

104	142	43	7.9	2.5	0.064	--	--	--
129	186	50	6.66	3.93	0.049			
104	142	3	6.66	2.54	0.003	0.9	5.6	9.6
225	398	131	21.7	8.7	0.064	0.9	5.6	9.6
169.6	230.7	50.7	12.6	4.8	0.0	0.9	5.6	9.6

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
174	182	72.1	12.7	4.0	0.011	--	--	--
173	186	4.6	13.7	3.6	0.011	0.6	5.80	8.2
224	212	6.0	22.5	9.1	0.060	--	--	--
186	208	12.0	15.3	6.1	0.045	--	--	--
196	200	8.1	16.2	5.9	0.003	--	--	--
122	198	85.0	6.6	3.9	0.136	--	--	--
120	178	95	7.4	2.9	0.132	--	--	--
114	396	130	6.1	2.6	0.117	--	--	--
106	148	40	6.1	2.7	0.049	--	--	--
115	176	45	7.16	3.72	0.037			
106	148	4.6	6.05	2.6	0.003	0.6	5.8	8.2
224	396	130	22.46	9.11	0.136	0.6	5.8	8.2
153.0	208.4	49.8	11.4	4.5	0.1	0.6	5.8	8.2

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
127	160	7.5	8.1	2.5	0.042	--	--	--
143	174	4.9	11.7	3.3	0.015	0.6	4.60	7.8
159	104	4.0	11.8	3.9	0.023	--	--	--
182	108	13.0	13.1	3.9	0.038	--	--	--
120	194	29.8	8.9	3.3	0.347	--	--	--

84	144	75.0	5.1	3.1	BDL	--	--	--
86	136	110	4.3	2.0	0.068	--	--	--
64	280	140	3.7	1.1	0.034	--	--	--
78	126	36	6.0	2.2	0.049	--	--	--
67	130	26	4.16	1.99	0.003			
64	104	4	3.7	1.1	0.003	0.6	4.6	7.8
182	280	140	13.1	3.91	0.347	0.6	4.6	7.8
111.0	155.6	44.6	7.7	2.7	0.1	0.6	4.6	7.8

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
122	126	2.3	8.8	2.1	0.045	--	--	--
160	162	9.3	13.0	4.1	0.060	0.6	4.90	7.9
158	122	19.0	12.0	3.7	0.042	--	--	--
143	172	5.0	11.6	4.1	0.042	--	--	--
129	236	32.7	8.5	3.4	BDL	--	--	--
78	132	85.0	4.6	3.1	0.034	--	--	--
88	320	140	4.7	1.9	0.113	--	--	--
64	226	140	3.2	1.0	0.060	--	--	--
78	98	40	5.5	1.6	0.041	--	--	--
69	106	50	4.1	1.84	0.015			
64	98	2.3	3.2	1	0.015	0.6	4.9	7.9
160	320	140	13.01	4.1	0.113	0.6	4.9	7.9
108.9	170.0	52.3	7.6	2.7	0.1	0.6	4.9	7.9

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
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139	176	3.9	11.6	5.0	0.007	--	--	--
150	162	10.1	12.8	3.6	0.003	0..4	3.90	4.8
154	136	10.0	11.7	4.7	0.057	--	--	--
152	122	2.0	12.7	3.3	0.060	--	--	--
129	134	4.4	11.5	4.2	0.260	--	--	--
79	209	95.0	4.8	3.1	0.120	--	--	--
78	468	120	5.5	2.2	0.045	--	--	--
62	370	150	4.1	1.6	0.037	--	--	--
80	96	45	6.4	1.6	0.264	--	--	--
68	168	55	4.38	2.33	0.022			
62	96	2	4.05	1.6	0.003	0	3.9	4.8
154	468	150	12.78	5.02	0.264	0	3.9	4.8
109.1	204.1	49.5	8.5	3.2	0.1	#DIV/0!	3.9	4.8

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
106	148	4.7	6.1	3.9	0.041	--	--	--
99	116	5.5	6.4	2.1	0.042	0.5	2.80	3.7
89	76	6.6	8.5	3.7	0.060	--	--	--
83	164	7.0	5.3	2.8	0.007	--	--	--
95	94	7.5	6.7	1.7	0.238	--	--	--
90	94	17.0	4.3	2.2	0.034	--	--	--
84	320	55	4.7	1.4	0.052	--	--	--
62	112	100	3.1	1.6	0.034	--	--	--
66	74	30	3.3	2.0	0.037	--	--	--
71	94	40	3.42	1.69	0.052			
62	74	4.7	3.05	1.37	0.007	0.5	2.8	3.7
106	320	100	8.47	3.93	0.238	0.5	2.8	3.7
84.5	129.2	27.3	5.2	2.3	0.1	0.5	2.8	3.7

72	72	4	3.8	1.35	0.011	0.2	1.625	8.4375
128	324	160	15.9	5.6	0.124	0.2	1.625	8.4375
89.3	143.7	40.7	6.7	2.3	0.1	0.2	1.6	8.4

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
76	98	3.9	3.5	1.1	0.045	--	--	--
129	114	6.4	9.2	3.7	0.034	0.6	1.1	18.6
76	112	42.0	7.3	3.1	0.019	--	--	--
77	102	9.0	9.2	2.2	0.042	--	--	--
78	90	4.5	3.5	1.5	0.086	--	--	--
90	126	50.0	5.3	2.5	0.162	--	--	--
97	174	29	8.9	1.7	0.079	--	--	--
70	204	160	4.5	2.1	0.086	--	--	--
72	180	95	5.0	2.1	0.170	--	--	--
104	136	35	9.47	2.54	0.011			
70	90	3.9	3.49	1.13	0.011	0.6	1.125	18.625
129	204	160	9.47	3.65	0.17	0.6	1.125	18.625
86.9	133.6	43.5	6.6	2.3	0.1	0.6	1.1	18.6

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
71	104	5.1	3.7	1.5	0.060	--	--	--
108	106	7.8	6.8	1.9	0.011	0.7	3.6	13.1
104	98	12.0	8.4	2.7	0.015	--	--	--
94	103	4.0	6.9	1.8	0.057	--	--	--
86	102	9.1	3.1	1.4	0.426	--	--	--
98	132	60.0	8.5	2.9	0.128	--	--	--
137	130	32	11.3	2.2	0.106	--	--	--
66	182	160	3.7	1.7	0.075	--	--	--

98	152	85	5.6	2.2	0.098	--	--	--
99	118	25	6.99	2.27	0.030			
66	98	4	3.14	1.41	0.011	0.6875	3.625	13.125
137	182	160	11.28	2.87	0.426	0.6875	3.625	13.125
96.1	122.7	40.0	6.5	2.1	0.1	0.7	3.6	13.1

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
88	128	11.2	6.1	1.4	0.011	--	--	--
92	82	4.6	7.3	2.0	0.007	0.7	2.9	11.8
77	84	2.0	8.8	2.1	0.011	--	--	--
76	86	7.0	7.1	2.1	0.007	--	--	--
81	108	3.9	5.2	1.6	0.408	--	--	--
102	486	60.0	6.9	2.6	0.007	--	--	--
131	160	22	7.7	2.4	0.079	--	--	--
76	224	160	5.2	2.0	0.049	--	--	--
120	168	75	5.3	2.4	0.003	--	--	--
145	176	18	7.21	2.39	0.052			
76	82	2	5.18	1.39	0.003	0.7	2.9	11.75
145	486	160	8.81	2.6	0.408	0.7	2.9	11.75
98.8	170.2	36.4	6.7	2.1	0.1	0.7	2.9	11.8

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
216	208	6.1	12.7	4.0	0.015	0.6	3.8	8.8
263	204	6.0	20.7	5.8	0.042	--	--	--
294	315	11.0	20.6	7.6	0.060	--	--	--
229	222	4.2	21.1	4.1	0.340	--	--	--
258	306	22.0	16.0	6.2	0.332	--	--	--
260	286	9.8	24.7	4.9	0.056	--	--	--

268	260	10	11.3	4.8	0.162	--	--	--
246	252	50	15.5	3.7	0.064	--	--	--
253	258	16	16.31	3.7	0.045			
216	204	4.2	11.25	3.66	0.015	0.5625	3.8125	8.75
294	315	50	24.68	7.56	0.34	0.5625	3.8125	8.75
254.1	256.8	15.0	17.6	5.0	0.1	0.6	3.8	8.8

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
404	460	21.7	40.3	6.3	0.174	--	--	--
336	314	7.0	33.8	7.6	0.068	1.1	3.6	2.9
304	276	13.0	30.7	7.6	0.034	--	--	--
352	460	3.0	45.0	10.1	0.045	--	--	--
184	198	7.9	8.6	2.9	0.238	--	--	--
320	312	37.0	45.8	6.2	0.207	--	--	--
266	308	25	23.0	3.9	0.064	--	--	--
144	120	95	6.9	2.6	0.105	--	--	--
174	170	35	9.9	2.8	0.090	--	--	--
226	260	11	14.42	3.22	0.113			
144	120	3	6.85	2.6	0.034	1.0625	3.5625	2.875
404	460	95	45.75	10.1	0.238	1.0625	3.5625	2.875
271.0	287.8	25.6	25.8	5.3	0.1	1.1	3.6	2.9

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
78	98	8.0	3.8	0.9	BDL	--	--	--
108	184	6.0	7.4	2.2	BDL	0.6	1.6	12.9

75	80	6.0	7.1	2.1	0.049	--	--	--
90	106	7.0	6.9	2.0	0.053	--	--	--
75	160	22.9	5.3	1.5	0.079	--	--	--
88	146	80.0	4.5	2.4	0.128	--	--	--
98	605	100	7.3	2.1	0.113	--	--	--
66	244	70	3.2	2.2	0.068	--	--	--
64	130	90	4.1	2.0	0.154	--	--	--
104	148	85	7.38	1.96	0.022			
64	80	6	3.2	0.87	0.022	0.6	1.6	12.9
108	605	100	7.38	2.37	0.154	0.6	1.6	12.9
84.6	190.1	47.5	5.7	1.9	0.1	0.6	1.6	12.9

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
84	164	17.4	4.5	1.2	0.019	--	--	--
110	126	3.1	8.6	3.5	BDL	0.7	1.9	14.8
75	112	22.0	8.1	2.8	0.026	--	--	--
76	86	6.0	6.3	1.7	0.049	--	--	--
84	124	13.5	5.5	1.6	0.336	--	--	--
103	138	70.0	5.9	3.0	0.136	--	--	--
148	602	110	10.4	4.5	0.007	--	--	--
94	196	100	4.8	1.9	0.105	--	--	--
106	196	110	7.6	2.7	0.188	--	--	--
117	218	100	7.85	3.13	0.018			
75	86	3.1	4.48	1.17	0.007	0.7	1.9	14.8
148	602	110	10.4	4.48	0.336	0.7	1.9	14.8
99.7	196.2	55.2	6.9	2.6	0.1	0.7	1.9	14.8

64	63	5	3.3	0.77	0.003	0.3	1.9	7.8
101	278	160	11.13	3.4	0.215	0.3	1.9	7.8
84.0	128.9	51.5	6.2	2.0	0.0	0.3	1.9	7.8

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
123	102	10.6	9.0	2.9	0.026	--	--	--
138	172	12.7	11.4	3.4	0.019	0.4	2.30	5.6
135	132	7.0	11.9	3.8	0.007	--	--	--
75	98	24.0	5.9	1.9	0.007	--	--	--
70	94	5.7	3.4	1.8	0.128	--	--	--
101	292	80.0	7.0	2.8	0.003	--	--	--
94	1138	90	5.9	1.7	0.045	--	--	--
96	404	75	6.9	2.8	0.007	--	--	--
84	148	120	6.1	2.5	0.007	--	--	--
109	136	40.0	9.42	1.83	0.056			
70	94	5.7	3.38	1.66	0.003	0.4	2.3	5.6
138	1138	120	11.86	3.78	0.128	0.4	2.3	5.6
102.5	271.6	46.5	7.7	2.5	0.0	0.4	2.3	5.6

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
123	184	14.8	10.2	1.4	0.113	--	--	--
118	148	9.0	9.6	3.6	BDL	0.5	2.20	8.2
142	124	10.0	11.1	2.4	0.053	--	--	--
112	102	6.0	8.4	2.7	0.026	--	--	--
125	146	7.2	5.2	5.0	0.007	--	--	--
128	164	17.0	8.2	2.9	BDL	--	--	--
116	502	70	9.9	2.5	0.037	--	--	--

88	162	85	6.0	2.2	0.056	--	--	--
116	150	80	8.6	3.2	0.056	--	--	--
112	142	50	8.81	4.42	0.117			
88	102	6	5.2	1.36	0.007	0.5	2.2	8.2
142	502	85	11.11	4.99	0.117	0.5	2.2	8.2
118.0	182.4	34.9	8.6	3.0	0.1	0.5	2.2	8.2

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
98	102	14.3	5.7	1.2	BDL	--	--	--
102	150	36.4	8.0	3.6	0.030	0.4	2.40	5.4
78	60	9.0	8.6	2.2	0.007	--	--	--
91	113	27.0	6.8	1.6	0.068	--	--	--
82	112	11.0	3.1	1.6	BDL	--	--	--
92	264	50.0	5.4	2.6	0.026	--	--	--
84	372	130	5.7	1.9	0.071	--	--	--
78	468	100	5.7	2.2	0.049	--	--	--
66	146	120	3.5	2.6	0.030	--	--	--
82	120	36.0	5.62	1.91	0.064			
66	60	9	3.14	1.23	0.007	0.4	2.4	5.4
102	468	130	8.57	3.56	0.071	0.4	2.4	5.4
85.3	190.7	53.4	5.8	2.1	0.0	0.4	2.4	5.4

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
111	98	9.5	4.9	0.9	BDL	--	--	--
101	120	16.6	10.1	4.0	BDL	0.4	2.60	6.2
89	66	7.0	10.2	2.6	0.045	--	--	--

88	80	8.0	5.2	1.5	0.049	--	--	--
78	102	15.7	3.1	1.6	0.094	--	--	--
95	276	70.0	7.0	2.9	0.015	--	--	--
84	488	170	7.9	2.1	0.090	--	--	--
90	282	80	7.9	2.1	0.105	--	--	--
68	144	110	4.8	1.7	0.034	--	--	--
77	116.0	21.0	3.99	0.92	0.064			
68	66	7	3.12	0.85	0.015	0.4	2.6	6.2
111	488	170	10.22	4.02	0.105	0.4	2.6	6.2
88.1	177.2	50.8	6.5	2.0	0.1	0.4	2.6	6.2

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
95	126	4.1	7.4	1.3	0.019	--	--	--
146	164	8.9	23.7	7.6	BDL	0.3	3.80	6.8
97	88	7.0	9.3	2.5	ND	--	--	--
79	72	13.0	6.0	1.3	0.011	--	--	--
88	106	29.1	4.4	2.0	BDL	--	--	--
96	134	65.0	5.8	2.7	0.041	--	--	--
112	282	100	10.6	2.2	0.128	--	--	--
80	286	150	5.8	3.2	0.052	--	--	--
70	180	120	5.2	1.9	0.018	--	--	--
82	102	65	5.99	2.88	0.071			
70	72	4.1	4.38	1.29	0.011	0.3	3.8	6.8
146	286	150	23.72	7.58	0.128	0.3	3.8	6.8
94.5	154.0	56.2	8.4	2.7	0.0	0.3	3.8	6.8

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
137	172	2.9	10.3	6.0	0.056	--	--	--
112	144	9.3	6.4	1.9	0.007	0.4	2.30	4.6

96	94	22.0	7.7	2.4	ND	--	--	--
88	104	2.0	7.5	3.0	0.079	--	--	--
89	172	24.7	5.1	1.9	BDL	--	--	--
84	190	95.0	5.4	2.9	0.003	--	--	--
60	268	130	4.3	1.9	0.102	--	--	--
66	202	133	3.6	1.2	0.060	--	--	--
78	80	40	5.1	1.9	0.083	--	--	--
63	106	50	4.25	2.03	0.015			
60	80	2	3.6	1.2	0.003	0.4	2.3	4.6
137	268	133	10.27	6.03	0.102	0.4	2.3	4.6
87.3	153.2	50.9	5.9	2.5	0.1	0.4	2.3	4.6

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
112	114	11.8	5.9	1.0	0.068	--	--	--
116	96	11.1	8.9	2.5	0.045	0.4	3.80	5.2
135	110	5.0	8.8	2.6	0.038	--	--	--
147	148	2.0	7.9	2.6	0.004	--	--	--
135	190	7.3	6.9	2.7	BDL	--	--	--
80	144	80.0	4.1	3.2	BDL	--	--	--
94	164	75	5.2	1.7	0.094	--	--	--
66	334	150	3.3	1.3	BDL	--	--	--
82	172	40	5.9	1.9	0.041	--	--	--
79	182	20	4.69	1.72	0.018			
66	96	2	3.25	1.04	0.004	0.4	3.8	5.2
147	334	150	8.91	3.16	0.094	0.4	3.8	5.2
104.6	165.4	40.2	6.2	2.1	0.0	0.4	3.8	5.2

TDS, mg/l	TFS, mg/l	Turbidity, NTU	Na, mg/l	K, mg/l	B, mg/l	Cadmium, micro gm/l	Copper, micro gm/l	Lead, micro gm/l
260	228	41.1	19.2	9.3	0.019	--	--	--
276	300	31.5	27.0	8.4	0.003	1.8	11.60	19.8
265	224	16.0	26.2	9.5	0.034	--	--	--
276	248	26.0	34.1	8.6	0.034	--	--	--
259	268	10.6	20.1	7.5	0.026	--	--	--
224	356	95.0	16.1	7.6	0.037	--	--	--
266	360	15	20.6	9.9	0.098	--	--	--
290	306	33	37.4	14.8	0.083	--	--	--
230	242	25	20.1	10.4	0.094	--	--	--
243	246	20	17.41	9.92	0.018			
224	224	10.6	16.14	7.48	0.003	1.8	11.6	19.8
290	360	95	37.35	14.8	0.098	1.8	11.6	19.8
258.9	277.8	31.3	23.8	9.6	0.0	1.8	11.6	19.8

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
40	--	--	187	BDL	12
17	1.2	6.9	300	BDL	BDL
8	--	--	490	--	BDL
20	--	--	360	BDL	BDL
5	--	--	1823	BDL	BDL
20	--	--	5153	BDL	BDL
13	--	--	7885	BDL	BDL
40	--	--	8607	BDL	BDL
43	--	--	3760	BDL	BDL
32			3533		ND
5	1.2	6.9	187	0	12
43	1.2	6.9	8607	0	12
23.8	1.2	6.9	3209.8	#DIV/0!	12.0

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
47	--	--	5550	BDL	13
35	1.8	15.2	5220	BDL	BDL
38	--	--	3670	--	BDL
28	--	--	2240	BDL	5
42	--	--	2294	BDL	2
32	--	--	12303	BDL	BDL
38	--	--	12170	BDL	BDL
32	--	--	12837	BDL	7

50	--	--	7590	BDL	BDL
80			7194		ND
28	1.8	15.2	2240	0	2
80	1.8	15.2	12837	0	13
42.2	1.8	15.2	7106.8	#DIV/0!	6.8

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
27	--	--	3060	BDL	BDL
35	1.6	9.2	1260	BDL	BDL
20	--	--	3100	--	BDL
10	--	--	2150	BDL	BDL
41	--	--	2151	BDL	13
32	--	--	4612	BDL	BDL
43	--	--	6996	BDL	3
33	--	--	8469	BDL	3
52	--	--	6940	BDL	BDL
35			7152		ND
10	1.6	9.2	1260	0	3
52	1.6	9.2	8469	0	13
32.8	1.6	9.2	4589.0	#DIV/0!	6.3

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
25	--	--	250	BDL	BDL
18	1.3	8.7	340	BDL	BDL
2	--	--	770	--	BDL
15	--	--	422	BDL	BDL
5	--	--	1128	BDL	BDL

18	--	--	2486	BDL	2
33	--	--	9386	BDL	8
41	--	--	12837	BDL	BDL
43	--	--	5230	BDL	BDL
26			5882		10
1.672	1.3	8.7	250	0	2
43	1.3	8.7	12837	0	10
22.6	1.3	8.7	3873.1	#DIV/0!	6.7

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
35	--	--	293	BDL	BDL
20	1.2	8.2	200	BDL	BDL
3	--	--	5530	--	BDL
30	--	--	290	BDL	BDL
33	--	--	1112	BDL	BDL
20	--	--	4789	BDL	BDL
50	--	--	12640	BDL	BDL
50	--	--	13149	BDL	BDL
35	--	--	2920	BDL	BDL
51			4909		ND
3.344	1.2	8.2	200	0	0
51	1.2	8.2	13149	0	0
32.7	1.2	8.2	4583.2	#DIV/0!	#DIV/0!

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)

37	--	--	341	BDL	BDL
25	1.2	6.7	115	BDL	BDL
12	--	--	1090	--	BDL
10	--	--	350	BDL	BDL
22	--	--	355	BDL	BDL
40	--	--	6807	BDL	BDL
50	--	--	9206	BDL	BDL
35	--	--	12837	BDL	BDL
27	--	--	4023	BDL	2
70			6538		3
10	1.2	6.7	115	0	2
70	1.2	6.7	12837	0	3
32.8	1.2	6.7	4166.2	#DIV/0!	2.5

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
54	--	--	182	BDL	BDL
17	1.2	7.6	120	BDL	BDL
25	--	--	570	--	8
5	--	--	220	BDL	3
20	--	--	710	BDL	BDL
35	--	--	744	BDL	BDL
30	--	--	2284	BDL	BDL
35	--	--	2025	BDL	5
22	--	--	1829	BDL	BDL
30			1613		5
5	1.2	7.6	120	0	3
54	1.2	7.6	2284	0	8
27.3	1.2	7.6	1029.7	#DIV/0!	5.3

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
20	--	--	514	BDL	BDL
52	1.4	7.2	140	BDL	BDL
8	--	--	320	--	3
13	--	--	77	BDL	BDL
28	--	--	328	BDL	20
27	--	--	7580	BDL	BDL
5	--	--	12646	BDL	BDL
27	--	--	10001	BDL	BDL
38	--	--	5220	BDL	BDL
38			2660		ND
5	1.4	7.2	77	0	3
52	1.4	7.2	12646	0	20
25.6	1.4	7.2	3948.6	#DIV/0!	11.5

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
23	--	--	580	BDL	BDL
20	1.3	2.3	370	BDL	BDL
5	--	--	830	--	BDL
3	--	--	336	BDL	BDL
33	--	--	662	BDL	BDL
35	--	--	2366	BDL	BDL
10	--	--	1436	BDL	BDL
35	--	--	9556	BDL	BDL
33	--	--	7521	BDL	BDL
53			2539		ND

3	1.3	2.3	336	0	0
53	1.3	2.3	9556	0	0
25.0	1.3	2.3	2619.6	#DIV/0!	#DIV/0!

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
33	--	--	322	BDL	BDL
22	1.9	3.8	240	BDL	BDL
15	--	--	1870	--	BDL
13	--	--	300	BDL	BDL
43	--	--	180	BDL	BDL
43	--	--	2730	BDL	BDL
18	--	--	5342	BDL	BDL
18	--	--	10330	BDL	BDL
22	--	--	8628	BDL	BDL
30			2666		ND
13	1.9	3.8	180	0	0
43	1.9	3.8	10330	0	0
25.7	1.9	3.8	3260.8	#DIV/0!	#DIV/0!

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
15	--	--	566	BDL	BDL
18	2.1	5.9	190	BDL	BDL
15	--	--	2780	--	BDL
15	--	--	220	BDL	BDL
43	--	--	243	BDL	BDL
33	--	--	2096	BDL	BDL
23	--	--	4136	BDL	BDL
35	--	--	1399	BDL	BDL

38	--	--	6355	BDL	BDL
35			1756		ND
15	2.125	5.9375	190	0	0
43	2.125	5.9375	6355	0	0
27.0	2.1	5.9	1974.1	#DIV/0!	#DIV/0!

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
22	--	--	374	BDL	BDL
52	1.4	4.8	380	BDL	BDL
35	--	--	2110	--	3
20	--	--	300	BDL	BDL
35	--	--	339	BDL	BDL
35	--	--	3822	BDL	BDL
50	--	--	5236	BDL	BDL
27	--	--	9662	BDL	BDL
32	--	--	5215	BDL	5
43			2951		ND
20	1.4	4.8	300	0	3
52	1.4	4.8	9662	0	5
35.1	1.4	4.8	3038.9	#DIV/0!	4.0

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
5	2.3	8.1	420	BDL	BDL
43	--	--	1240	--	10
43	--	--	400	BDL	8
70	--	--	127	BDL	BDL
27	--	--	1045	BDL	BDL
21	--	--	1813	BDL	3

38	--	--	1452	BDL	BDL
20	--	--	2719	BDL	3
68			1449		ND
5	2.25	8.0625	127	0	3
70	2.25	8.0625	2719	0	10
37.3	2.3	8.1	1185.0	#DIV/0!	6.0

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
32	--	--	2170	BDL	BDL
38	4.0	4.3	950	BDL	BDL
20	--	--	820	--	8
13	--	--	1020	BDL	5
50	--	--	810	BDL	BDL
47	--	--	4514	BDL	BDL
13	--	--	4298	BDL	2
20	--	--	4887	BDL	BDL
33	--	--	2793	BDL	BDL
48			1438		8
13	4	4.3125	810	0	2
50	4	4.3125	4887	0	8
31.4	4.0	4.3	2370.0	#DIV/0!	5.8

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
10	--	--	460	BDL	7
52	2.5	8.9	260	BDL	BDL

5	--	--	210	--	BDL
41	--	--	330	BDL	BDL
50	--	--	397	BDL	BDL
41	--	--	3390	BDL	BDL
15	--	--	7447	BDL	BDL
52	--	--	7001	BDL	BDL
32	--	--	8550	BDL	BDL
38			4930		ND
5.016	2.5	8.9	210	0	7
52	2.5	8.9	8550	0	7
33.6	2.5	8.9	3297.5	#DIV/0!	7.0

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
17	--	--	780	BDL	12
17	2.8	11.1	470	BDL	BDL
8	--	--	243	--	BDL
32	--	--	180	BDL	BDL
40	--	--	1075	BDL	3
26	--	--	1217	BDL	BDL
27	--	--	7171	BDL	BDL
50	--	--	7717	BDL	BDL
53	--	--	9185	BDL	3
50			1835		5
8.36	2.8	11.1	180	0	3
53	2.8	11.1	9185	0	12
32.0	2.8	11.1	2987.3	#DIV/0!	5.8

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
33	--	--	630	BDL	BDL
43	2.8	7.8	730	BDL	BDL
5	--	--	602	--	BDL
60	--	--	590	BDL	BDL
31	--	--	710	BDL	2
42	--	--	1368	BDL	BDL
23	--	--	9810	BDL	BDL
33	--	--	11326	BDL	BDL
20	--	--	6895	BDL	BDL
35			6337		3
5.016	2.8	7.8	590	0	2
60	2.8	7.8	11326	0	3
32.5	2.8	7.8	3899.8	#DIV/0!	2.5

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
15	--	--	890	BDL	BDL
17	2.6	8.8	7900	BDL	BDL
15	--	--	179	--	BDL
13	--	--	1550	BDL	BDL
33	--	--	4722	BDL	7
10	--	--	12412	BDL	BDL
26	--	--	10165	BDL	BDL
38	--	--	8496	BDL	3
27	--	--	6210	BDL	BDL
41			6750		ND

10	2.6	8.8	179	0	3
41	2.6	8.8	12412	0	7
23.5	2.6	8.8	5927.4	#DIV/0!	5.0

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
13	--	--	550	BDL	BDL
22	2.6	9.2	682	BDL	BDL
12	--	--	880	--	BDL
8	--	--	1470	BDL	BDL
38	--	--	270	BDL	BDL
18	--	--	4701	BDL	5
30	--	--	4521	BDL	BDL
53	--	--	3938	BDL	BDL
50	--	--	4521	BDL	BDL
37			3803		5
8	2.6	9.2	270	0	5
53	2.6	9.2	4701	0	5
28.1	2.6	9.2	2533.6	#DIV/0!	5.0

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
10	--	--	700	BDL	BDL
7	2.2	11.2	413	BDL	BDL
20	--	--	859	--	BDL
17	--	--	300	BDL	BDL
30	--	--	1075	BDL	BDL
5	--	--	328	BDL	BDL
25	--	--	4706	BDL	BDL

33	--	--	5464	BDL	BDL
40	--	--	6170	BDL	3
38			3174		ND
5	2.2	11.2	300	0	3
40	2.2	11.2	6170	0	3
22.5	2.2	11.2	2318.9	#DIV/0!	3.0

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
23	--	--	840	BDL	BDL
43	2.5	8.9	298	BDL	BDL
20	--	--	420	--	BDL
13	--	--	95	BDL	BDL
32	--	--	381	BDL	BDL
42	--	--	2896	BDL	BDL
35	--	--	12842	BDL	BDL
63	--	--	11363	BDL	BDL
42	--	--	6938	BDL	BDL
43			4956		2
13	2.5	8.9	95	0	2
63	2.5	8.9	12842	0	2
35.6	2.5	8.9	4102.9	#DIV/0!	2.0

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
20	--	--	350	BDL	BDL
35	2.2	8.2	4700	BDL	BDL
20	--	--	560	--	BDL

5	--	--	1100	BDL	BDL
50	--	--	927	BDL	BDL
52	--	--	4228	BDL	BDL
22	--	--	12577	BDL	5
52	--	--	11247	BDL	BDL
38	--	--	8496	BDL	BDL
37			5877		ND
5	2.2	8.2	350	0	5
52	2.2	8.2	12577	0	5
33.1	2.2	8.2	5006.2	#DIV/0!	5.0

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
17	--	--	494	BDL	BDL
17	2.4	7.6	500	BDL	BDL
17	--	--	816	--	BDL
30	--	--	440	BDL	BDL
30	--	--	2989	BDL	8
10	--	--	2902	BDL	BDL
17	--	--	6190	BDL	BDL
38	--	--	10473	BDL	BDL
33	--	--	10430	BDL	BDL
30			4739		ND
10	2.4	7.6	440	0	8
38	2.4	7.6	10473	0	8
23.9	2.4	7.6	3997.3	#DIV/0!	8.0

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
27	--	--	1320	BDL	BDL
30	2.3	4.6	440	BDL	BDL

12	--	--	1070	--	BDL
18	--	--	270	BDL	BDL
25	--	--	68	BDL	BDL
17	--	--	5892	BDL	BDL
10	--	--	6355	BDL	BDL
35	--	--	9673	BDL	2
38	--	--	3920	BDL	BDL
38			3322		ND
10	2.3	4.6	68	0	2
38	2.3	4.6	9673	0	2
25.0	2.3	4.6	3233.0	#DIV/0!	2.0

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
22	--	--	158	BDL	BDL
15	1.9	5.8	1240	BDL	BDL
5	--	--	2040	--	BDL
3	--	--	240	BDL	BDL
7	--	--	100	BDL	BDL
10	--	--	5803	BDL	BDL
30	--	--	4669	BDL	BDL
53	--	--	12682	BDL	BDL
68	--	--	11210	BDL	BDL
43			7088		ND
3	1.9	5.8	100	0	0
68	1.9	5.8	12682	0	0
25.6	1.9	5.8	4523.0	#DIV/0!	#DIV/0!

Chromium Total, micro gm/l	Nickel, micro gm/l	Zinc, micro gm/l	Iron Total, micro gm/l	Mercury, micro gm/l	Cr(VI)
62	--	--	12880	BDL	18
47	5.6	26.8	3750	BDL	BDL
59	--	--	2110	--	BDL
22	--	--	7070	BDL	8
52	--	--	5671	BDL	15
37	--	--	12813	BDL	BDL
68	--	--	3201	BDL	BDL
43	--	--	12449	BDL	5
50	--	--	12280	BDL	BDL
41			6855		13
22	5.6	26.8	2110	0	5
68	5.6	26.8	12880	0	18
48.1	5.6	26.8	7907.9	#DIV/0!	11.8