TABLE 21: RILDA CANYON SURFACE WATER QUALITY *

RCF3 - RILDA CANYON FLUME - ABOVE NEWUA SPRINGS

2008** SAMPLE DATES	ACIDITY	ALKALINITY BICARBONATE	CALCIUM	CARBONATE	CHLORIDE	CONDUCTIVITY (umhos/cm)	DISSOLVED OXYGEN	HARDNESS	IRON TOTAL	IRON DISSOLVED	MAGNESIUM	MANGANESE	OIL & GREASE	PH (units)	POTASSIUM	SODIUM	SULFATE	TSS	TDS
20080324	5	378	115		10	1072		577	0.56		70.2	0.05		7.76	3.71	29.3	213	8	742
20080617	0	179	61	30	2	470	9.3	242	0.85	0	21.6	0.03		8.61	0.84	5.4	18		247
20080922	15	360	107	0	9	1033		533	0.81	0	64.6	0.07	0	7.90	3.41	28.6	178	12	652
20081202	20	369	106	0	9	1070	15.5	531	0.76	0	64.8	0.06	0	7.82	3.35	28.7	180	11	643
2008**																			
MIN	0	179	61.2		2.0	470	9.30	242	0.56		21.64	0.03		7.76	0.84	5.40	18.0	8.0	247
MAX	20	378	115.4		10.0	1072	15.50	577	0.85		70.20	0.07		8.61	3.71	29.25	213.0	12.0	742
MEAN	10	322	97.3		7.5	911	12.40	471	0.75		55.31	0.05		8.02	2.83	22.98	147.3	10.3	571
No. of Analys	4	4	4	3	4	4	2	4	4	3	4	4	2	4	4	4	4	3	4
2007**																			
MIN		285	77.6		6.0	834	10.09	378	0.20		44.70	0.02		7.54	1.86	15.60	90.0	5.0	438
MAX		400	132.0		12.0	1304	12.48	614	1.17		69.10	0.09		8.04	3.51	30.06	255.0	6.0	746
MEAN		370	111.2		10.2	1128.2	11.26	536.2	0.50		62.75	0.05		7.79	3.14	26.11	196.0	5.5	653
2006**																			
MIN		220	62		3.0	487	10.3	252	0.16		23.8	0		7.78	0.98	6.4	25	6	278
MAX		376	112		12.0	1073	12.5	563	0.30		69.0	0		8.18	3.32	26.8	185	18	626
MEAN		328	94		8.8	906	11.7	454	0.25		53.3	0		7.97	2.57	20.9	135	10	517
2005**																			
MIN		206	61	13.0	2.0	437	9.1	239	0.15		21.2	0		7.94	0.94	5.8	19	109	273
MAX		353	95	13.0	11.0	974	14.2	467	2.16		56.0	0		8.53	3.16	27.4	155	109	586
MEAN		310	83	13.0	7.8	805	11.6	392	0.68		44.8	0		8.13	2.32	19.9	111	109	486
2004**																			
MIN	8	217	53		3.0	450	6.0	225	0.17		22.6	0		7.92	0.94	7.1	29	19	217
MAX	15	448	102		12.0	948	13.3	505	0.27		60.7	0		8.31	2.82	27.3	176	19	613
MEAN	12	341	85		8.0	791	10.1	408	0.21		47.5	0		8.08	2.29	20.8	128	19	478
2003**																			
MIN	7	280	62		3.0	505	5.1	263	0.12		21.8			7.73	1.02	8.9	36	11	319
MAX	16	458	100		12.0	948	6.5	497	0.27		58.2			8.26	2.90	27.4	176	11	605
MEAN	12	406	89		8.5	823	6.0	430	0.20		40.9			8.05	2.40	22.3	133	11	512
2002**																			
MIN		423	90		8.0	885	9.2	447	0.10		54.0		2	8.02	2.00	25	151	8	563
MAX		433	94		9.0	936	12.8	474	0.30		58.0		4	8.12	3.00	27	172	8	624
MEAN		429	92		8.8	912	10.7	460	0.18		56.0		3	8.07	2.75	26	163	8	584
2001**																			
MIN		287	55		3.4	564		244	0.10		26.0			7.97	1.00	10	43	5	302
MAX		431	92		8.5	908		456	1.30		55.0			8.19	3.00	23	159	16	569
MEAN		380	78		6.7	792		377	0.53		44.0			8.10	2.33	18	116	11	474
2000**																			
MIN	38.0	281	56		3.0	500	9.9	251	0.10		27.0			7.88	2.00	8	44	5	199
MAX	38.0	418	87		8.0	882	10.8	431	0.10		52.0			8.17	3.00	24	140	14	570
MEAN	38.0	367	76		6.0	740	10.4	370	0.10		43.7			8.07	2.50	18	106	8	436
HISTORICAL 1989-2007																			
MIN	0.1	206	52.7	0.1	2.0	380	4.4	225	0.02	0.01	21.20	0.003	0.4	7.50	0.01	5.40	7.0	1.0	199
MAX	38.0	500	132.0	28.0	50.0	1304	14.2	748	3.00	0.41	69.10	0.20	5.0	8.83	5.00	30.10	255.0	250.0	746
MEAN	9.1	365	84.6	5.4	9.5	738	8.5	402.4	0.45	0.13	44.57	0.46	2.6	8.08	2.21	16.58	102.9	36.1	452
No. of Analysis	31	67	67	27	67	68	63	67	65	21	67	39	25	68	64	67	67	44	67

*** Quality parameters are reported as mg/l unless otherwise noted.**

**** Data: Database input restricted to values greater then laboratory minimum detection limit.**