

**Assessment Study of
Water and Wastewater Systems and
Associated Water Management Practices
at the Kitkatla First Nation Community**

**for the
Indian and Northern Affairs Canada
BC Region**



May, 2002

Appendix C

Water Quality Test Results



PHILIP ANALYTICAL

30-Oct-00
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**ANALYTICAL REPORT
Form 08058685**

Client : HEALTH CANADA
Project : KITKATLA
Sampling site :
Submitted by : FISH

Treated Water

Philip ID : 10069654
Client ID : KITKATLA

Sparcode	Parameter	Unit	MDL	CDWG	
PHYSICAL					
00041220	pH	pH units	0.1	6.5-8.5	7.7
00021300	Color True	Col.Unit	5	15	< 5
00111160	Specific Conductance	uS/cm	1	---	160
SCCACALC	Computed Conductance	uS/cm		---	171
CCPDCALC	Conductance % Diff.	%		---	6.8
007H1035	Residue Filterable 1.0u (TDS)	mg/L	10	500	90
CTDSCALC	Computed TDS	mg/L		---	90
TDSRCALC	TDS % Diff.	%		---	-0.5
00151140	Turbidity	NTU	0.10	1.0	0.17
0107CALC	Hardness Total -T	mg/L		500	64.5
GENERAL INORGANICS					
01011211	Alkalinity Phen. 8.3 as CaCO3	mg/L	1	---	< 1
01021210	Alkalinity Total as CaCO3	mg/L	1	---	36
CO3-CALC	Carbonate as CO3 =	mg/L		---	< 0.5
HCO3CALC	Bicarbonate as HCO3-	mg/L		---	43.9
OH--CALC	Hydroxide as OH-	mg/L		---	< 0.5
ANIONS					
11041334	Chloride Dissolved	mg/L	1.0	< 250	6.6
11061341	Fluoride Dissolved	mg/L	0.10	1.5	< 0.10
IonBCALC	Ion Balance	%		---	-0.3
AnnS-CALC	Total Anions	meq/L		---	1.54
Ctns-CALC	Total Cations	meq/L		---	1.53
Lang-CALC	Langelier Index	pH units		---	-0.8
pHSACALC	Saturation pH	pH units		---	8.5
NITROGEN					
1110CALC	Nitrate Nitrogen Dissolved (N)	mg/L		10.0	< 0.02
11091350	Nitrate+Nitrite (N)	mg/L	0.02	10.0	< 0.02
11111354	Nitrite Nitrogen (N)	mg/L	0.005	1.0	< 0.005

Matrix : Water
Sampled on: 00/10/18 08:37

CONTINUED on page 3



PHILIP ANALYTICAL

30-Oct-00
Page 3 of 8

**ANALYTICAL REPORT
Form 08058685**

Client : HEALTH CANADA
Project : KITKATLA
Sampling site :
Submitted by : FISH

Philip ID : 10069654
Client ID : KITKATLA

Sparcode	Parameter	Unit	MDL	CDWG	
SULFATE					
11211405	Sulfate	mg/L	1.0	< 500	30.4
METALS TOTAL					
Al-T0031	Aluminum	mg/L	0.02	---	0.06
As-TMS31	Arsenic	mg/L	0.001	0.025	< 0.001
Ba-T0031	Barium	mg/L	0.001	1.0	0.007
B--T0031	Boron	mg/L	0.008	5.0	< 0.008
Cd-TMS31	Cadmium	mg/L	0.0001	0.005	< 0.0001
Ca-T0031	Calcium	mg/L	0.05	---	25.1
Cr-T0031	Chromium	mg/L	0.002	0.05	< 0.002
Cu-T0031	Copper	mg/L	0.001	1.0	0.055
Fe-T0031	Iron	mg/L	0.005	0.3	0.008
Pb-TMS31	Lead	mg/L	0.001	0.01	< 0.001
Mg-T0031	Magnesium	mg/L	0.05	---	0.45
Mn-T0031	Manganese	mg/L	0.001	0.05	< 0.001
Hg-T0310	Mercury	mg/L	0.00005	0.001	< 0.00005
K_T0031	Potassium	mg/L	0.4	---	< 0.4
Se-TMS31	Selenium	mg/L	0.001	0.01	< 0.001
Na-T0031	Sodium	mg/L	0.010	200	5.41
U--TLLMS	Uranium	mg/L	0.00001	0.1	0.00004
Zn-T0031	Zinc	mg/L	0.002	5.0	0.002

Matrix : Water
Sampled on: 00/10/18 08:37

Community KITKATLA

Year 2001

WATER SAMPLE RESULTS

Date	Name	Total Col.	Faecal
01/23	[REDACTED]	<1	<1
	s.19(1)	<1	<1
03/06	Band Office	<1	<1
	Nursing residence	<1	<1
	School - home economics room	<1	<1
07/18	Nursing station	<1	<1
	[REDACTED]	<1	<1
	[REDACTED]	<1	<1
08/10/01	s.19(1)	<1	<1
08/14	[REDACTED]	<1	<1
	[REDACTED]	<1	<1
	[REDACTED]	<1	<1
09/05	[REDACTED]	<1	<1
	[REDACTED]	<1	<1
	Nursing Station	<1	<1
	[REDACTED] s.19(1)	<1	<1
09/25	Community Hall	<1	<1
	Nursing Station	<1	<1
	Band Office	<1	<1

Community _____

Year _____

WATER SAMPLE RESULTS

Date	Name	Total Col.	Faecal	
05/11/00	[REDACTED]	<1B	<1	
		<1	<1	
		<1	<1	
07/11/00		<1B	<1	
		<1B	<1	
		<1B	<1	
07/12		s.19(1)	1B	<1
		<1B	<1	
		<1B	<1	
		<1B	<1	
07/19		<1B	<1	
		<1B	<1	
	<1B	<1		
	Nursing Station	<1B	<1	
07/24	[REDACTED]	TNTC	<1B	
		1B	<1	
		<1B	<1	
		19(1)	<1B	<1
08/02	3B	<1		
	1B	<1		
	Band Office	<1B	<1	
08/08	s.19(1)	TNTC	<1	

08/08	Ben Aster BOIL WATER INAC to go in	TNTC	<1
08/22		2B	<1
		R	R
	s.19(1)	<1	<1
		<1	<1
		<1	<1
		<1	<1
08/24	Nursing Station	<1	<1
	Lach Klan School	<1	<1
	Band Office	<1	<1
08/30	s.19(1)	<1	<1
		<1	<1
	Lach Klan School	<1	<1
	Kitkatla Nursing Station	<1	<1
	s.19(1)	<1	<1
	Kitkatla Band Office	<1	<1
08/02	Coast Road - end	1B	<1
09/26	Nursing station	<1	<1
	Band Office	<1	<1
	s.19(1)	<1	<1

Community _____

Year _____

WATER SAMPLE RESULTS

Date	Name	Total Col.	Faecal	
05/11/00	[REDACTED]	<1B	<1	
		<1	<1	
		<1	<1	
07/11/00		<1B	<1	
		<1B	<1	
		<1B	<1	
07/12		s.19(1)	1B	<1
		<1B	<1	
		<1B	<1	
		<1B	<1	
07/19		<1B	<1	
		<1B	<1	
		<1B	<1	
		Nursing Station	<1B	<1
07/24		[REDACTED]	TNTC	<1B
	1B		<1	
	s.19(1)		<1B	<1
	<1B		<1	
	<1B		<1	
08/02	[REDACTED]	3B	<1	
		1B	<1	
		Band Office	<1B	<1
08/08	[REDACTED]	s.19(1)	TNTC	<1

08/08			TNTC	<1
08/22			2B	<1
			R	R
			<1	<1
			<1	<1
			<1	<1
			<1	<1
08/24	Nursing Station		<1	<1
	Lach Klan School		<1	<1
	Band Office		<1	<1
08/30		s.19(1)	<1	<1
			<1	<1
	Lach Klan School		<1	<1
	Kitkatla Nursing Station		<1	<1
		s.19(1)	<1	<1
	Kitkatla Band Office		<1	<1
08/02	Coast Road - end		1B	<1
09/26	Nursing station		<1	<1
	Band Office		<1	<1
		s.19(1)	<1	<1

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Is(are) under consultation

**Table 6-1
RAW WATER (DAILY)**

Date	Apparent Colour	pH	Temp. (Deg. C)	Turbidity (NTU)	INITIALS
10/5/00	146	NA	NA	1.02	TN
10/11/00	185			.64	TN
10/12/00	181			.58	TN
10/13/00	100			.90	GM
10/15/00	108			1.66	GM
10/17/00	133			.66	GM
10/18/00	.18			.94	GM
10/19/00	0.16			.80	GM
10/20/00	.16			.72	GM
10/23/00	.08			.71	GM
10/24/00	.13			0.82	GM
10/25/00	0.14			0.96	GM
10/26/00	0.15			0.82	GM
10/27/00	0.17			0.73	GM
10/30/00	"3" ?			.93	TN

**Table 6-1
RAW WATER (DAILY)**

Date	Apparent Colour	pH	Temp. (Deg. C)	Turbidity (NTU)
JAN/4/01	88	NOT WORKING	NOT WORKING	0.62
JAN/5/01	66	—	—	1.25
JAN/6/01	82	—	—	0.65
JAN/7/01	77	—	—	1.03
JAN/8/01	80	—	—	0.98
JAN/9/01	71	—	—	1.01
JAN/10/01	71	—	—	1.17
JAN/12/01	93	—	—	1.83
JAN/13/01	96	—	—	1.70
JAN/14/01	73	—	—	1.25
JAN/15/01	95	—	—	0.63
JAN/16/01	93	—	—	0.82
JAN/17/01	88	—	—	0.81
JAN/18/01	89	—	—	0.71
JAN/19/01	67	—	—	1.20
JAN/20/01	70	—	—	1.10
JAN/21/01	87	—	—	0.98
JAN/22/01	99	—	—	0.76
JAN/23/01	100	NOT WORKING	NOT WORKING	0.64
JAN/24/01	80	—	—	1.37
JAN/25/01	84	—	—	0.68
JAN/26/01	82	—	—	
JAN/27/01	99	NOT WORKING	NOT WORKING	0.95
JAN/28/01	88	—	—	0.56

INITIAL:

GM

GM

GM

GM

GM

GM

GM

GM

GM

GM

GM

GM

GM

GM

GM

GM

GM

GM

GM

GM

GM

GM

GM

**Table 6-1
RAW WATER (DAILY)**

	Date	Apparent Colour	pH	Temp. (Deg. C)	Turbidity (NTU)	INITIALS
MON	JAN/29/01	23			0.50	GM
TUE	JAN/30/01	34			0.53	GM
WED	JAN/31/01	97			0.69	GM
THUR	FEB/1/01	93			2.77	GM
FRI	FEB/2/01	—	—	—	—	
SAT	FEB/3/01	91			0.85	GM
SUN	FEB/4/01	89			0.70	GM
MON	FEB/5/01	77			0.96	GM
TUE	FEB/6/01	67			0.59	GM
WED	FEB/7/01	84			0.66	GM
THUR	FEB/8/01	77			0.72	GM
FRI	FEB/09/01	73			0.55	GM
SAT	FEB/10/01	71			0.60	GM
SUN	FEB/12/01	78			0.52	GM
MON	FEB/13/01	82			0.59	GM
TUE	FEB/14/01	128			0.72	PL
WED	FEB/15/01	89			6.73	GM
THUR	FEB/19/01	69			1.19	GM
FRI	FEB/20/01	91			0.75	GM
SAT	FEB/21/01	82			0.78	GM
SUN	FEB/22/01	97			2.04	GM
MON	FEB/23/01	187			1.26	GM
TUE	FEB/24/01	93			0.83	GM
WED	FEB/25/01	95			0.78	GM

**Table 6-1
RAW WATER (DAILY)**

Date	Apparent Colour	pH	Temp. (Deg. C)	Turbidity (NTU)	
Mar 1/01	93	6.2	10.0	0.78	GM
Mar 2/01	80	6.0	7.6	0.84	GM
Mar 05/01	77	6.1	9.6	0.68	GM
Mar 06/01	80	6.2	10.0	1.05	GM
Mar 07/01	80	6.3	9.0	0.78	GM
03/08/01	86	6.4	9.9	0.83	GM
03/09/01	78	6.4	9.4	0.79	GM
SAT MAR/10/01	80	6.9	7.8	0.68	GM
SUN MAR/11/01	89	6.9	9.6	0.71	GM
Mar/12/01	91	6.9	8.4	0.71	GM
Mar/14/01	97	6.6	10.4	0.73	GM
Mar/15/01	75	6.8	9.2	0.86	GM
Mar/16/01	73	7.0	10.4	0.84	GM
AT MAR/17/01	80	7.0	8.4	0.70	GM
Mar/18/01	82	6.9	10.4	0.68	GM
Mar/19/01	89	7.0	10.2	0.83	GM
Mar/20/01	82	7.1	9.4	0.72	GM
Mar/21/01	77	7.8	9.4	0.78	GM
Mar/22/01	80	7.8	9.5	0.74	GM
Mar/23/01	88	6.1	12.5	0.78	GM
Mar 24/01	91 91	6.4 6.2	9.9 10.00	0.51	GM
Mar 25/01	95	6.3	8.3	0.98	GM
Mar 26/01	97	6.8	8.9	0.88	GM
Mar 27/01	88	8.2	8.7	0.73	GM

**Table 6-1
RAW WATER (DAILY)**

Date	Apparent Colour	pH	Temp. (Deg. C)	Turbidity (NTU)	INITIAL:
APRIL 23/01	128	8.28	12.	0.96	(H)
APRIL 24/01	86	8.74	11.2	1.01	(H)
APRIL 25/01	84	8.50	11.4	0.89	(H)
APRIL 26/01	84	8.66	12.3	1.14	(H)
APRIL 27/01	75	8.73	12.5	1.02	(H)
SAT APRIL 28/01	93	8.73	11.1	1.23	(H)
APRIL 30/01	95	8.72	12.9	0.96	D.P.
MAY 1/01	80	8.57	11.5	1.00	D.P.
MAY 2/01	82	8.68	10.8	0.95	D.P.
MAY 3/01	71	8.84	11.0	0.93	D.P.
MAY 4/01	93	9.23	10.2	1.04	(H)
SUN MAY 6/01	82	8.90	10.2	0.87	(H)
MAY 7/01	69	8.99	10.7	1.30	(H)
MAY 8/01	78	8.38	11.9	1.42	(H)
MAY 9/01	93	9.26	12.1	1.09	D.P.
MAY 10/01	110	8.37	13.4	1.03	(H)
MAY 11/01	88	8.86	11.6	1.03	(H)
MAY 14/01	86	8.57	12.7	0.95	D.P.
MAY 15/01	82	8.91	12.1	0.99	D.P.
MAY 16/01	80	9.04	11.4	0.95	D.P.
MAY 17/01	99	9.10	11.5	1.35	D.P.
MAY 18/01	100	9.10	12.9	1.96	D.P.
SAT MAY 19/01	102	9.08	11.2	1.07	(H)

**Table 6-1
RAW WATER (DAILY)**

Date	Apparent Colour	pH	Temp. (Deg. C)	Turbidity (NTU)	INITIALS
MAY 20/01	82	9.10	11.6	0.75	TH
MAY 21/01	89	8.98	11.6	0.85	TH
MAY 22/01	84	9.16	11.9	0.79	D.P.
MAY 23/01	97	9.06	11.2	0.96	D.P.
MAY 24/01	86	9.00	12.1	1.09	D.P.
MAY 28/01	97	8.98	13.3	0.98	TH
MAY 29/01	100	9.07	13.7	0.79	D.P.
MAY 30/01	102	9.10	13.5	0.84	TH
MAY 31/01	102	9.13	13.4	0.83	D.P.
JUNE 1/01	95	8.86	13.1	1.11	D.P.
June 4/01	95			0.88	D.P.
June 5/01	104			1.15	D.P.
June 6/01	95			0.84	D.P.
June 7/01	100			0.87	D.P.
June 8/01	91			0.99	D.P.
JUNE 11/01	99			0.86	TH
June 12/01	97			0.91	D.P.
JUNE 13/01	104			1.15	TH
JUNE 14/01	89	—	—	0.97	TH
June 15/01	91	—	—	0.90	D.P.
JUNE 16/01	108	—	—	1.08	TH
JUNE 17/01	93	—	—	1.20	TH
June 18/01	102	—	—	0.97	D.P.
June 19/01	100	—	—	0.84	D.P.

SUN

SAT

SUN

**Table 6-1
RAW WATER (DAILY)**

Date	Apparent Colour	pH	Temp. (Deg. C)	Turbidity (NTU)	
JUNE 22/01	106	—	—	1.07	(H)
SAT - JUNE 23/01	89	—	—	1.15	OP
SUN - JUNE 24/01	89	—	—	1.04	OP.
JUNE 25/01	89	—	—	0.87	O.P.
JUNE 26/01	88	5.61	15.8	0.95	(H)
JUNE 27/01	89	5.62	17.2	0.90	(H)
JUNE 28/01	100	5.69	16.3	0.99	(H)
JUNE 29/01	89	5.775	16.9	0.91	(H)
SAT JUNE 30/01	93	5.73	16.2	1.00	(H)
SUN JULY 1/01	104	5.879	16.8	1.11	(H)
TUES JULY 3/01	93	5.920	16.6	0.98	(H)
JULY 4/01	99	5.994	16.6	0.90	(H)
JULY 5/01	89	6.051	16.6	0.96	(H)
JULY 6/01	100	5.973	15.6	0.94	(H)
SUN JULY 8/01	111	5.977	15.2	0.98	(H)
JULY 9/01	99	5.863	14.8	0.96	(H)
JULY 10/01	104	7.634	14.5	0.96	(H)
JULY 11/01	93	5.971	15.7	0.95	(H)
JULY 12/01	99	6.107	17.0	0. 95 74	(H)
JULY 13/01	95	7.786	16.2	0.90	(H)
SAT JULY 14/01	99	6.165	16.6	0.96	(H)
SUN JULY 15/01	106	6.115	15.9	0.86	(H)
JULY 16/01	88	6.361	16.0	0.92	(H)

**Table 6-1
RAW WATER (DAILY)**

Date	Apparent Colour	pH	Temp. (Deg. C)	Turbidity (NTU)	
SUN AUG 12 /01	99	6.529	17.7	1.07	⊗
Aug 13 /01	117/108	6.044	18.5	0.94	A.C
Aug 14 /01	99	6.370	18.2	1.13	D.P.
Aug 15 /01	110	6.189	18.1	0.96	MR
AUG 16 /01	113	6.253	18.2	1.09	⊗
Aug 17 /01	113	6.157	17.5	0.98	A.C
Sat Aug 18 /01	97.	7.261	17.4	1.11	DP.
Sun. Aug 19 /01	97	7.834	17.6	1.03	GM
Aug 20 /01	110	6.285	17.2	1.02	MR
Aug 21 /01	126	6.165	16.4	1.25	GM
Aug 22 /01	117	6.182	16.9.	1.10	D.P.
AUG 23 /01	126	6.273	18.0	1.10	GM
Aug 24 /01	137	5.747	16.2	1.22	MR
SAT AUG 25 /01	146	5.908	15.9	1.38	GM
SUN Aug 26 /01	144	6.647	16.1	1.78	DP.
THUR. AUG. 30 /01	132	5.707	16.5	1.16	⊗
SAT Sep. 1 /01	137	5.581	16.2	1.21	MR
SUN Sept 2 /01	150	7.794	15.2	1.05	GM
Sept 3 /01	148	7.784	14.8	1.03	GM
Sept 4 /01	148	7.858	14.8	1.10	GM
Sept 5 /01	150	6.783	15.0	0.92	GM
Sept 6 /01	148	7.262	15.1	0.95	GM
Sept 7 /01	139	7.536	14.6	0.88	GM
Sept 8 /01	148	8.228	15.1	0.88	MR

BC HYDRO POWER OUTAGE.
SUNDAY - HIGH P.H. UNTIL
11:00 A.M.

Hills

Table 6-1
RAW WATER (DAILY)

Date	Apparent Colour	pH	Temp. (Deg. C)	Turbidity (NTU)	
Sept 9/2001	135	7.469	15.9	0.83	MR
Sept 10/2001	133	8.443	14.7	1.05	GM
Sept 11/01	144	7.443	16.2	0.84	GM
Sept 12/01	132	8.743	15.2	0.90	GM
Sept 13/01	132	8.031	15.8	0.80	GM
Sept 14/01	143	8.466	15.6	0.97	GM
Sept. 15/01	144	7.537	15.9	0.99	A.C
Sept. 16/01	144	8.476	16.0	0.98	A.C
Sept 17/01	144	8.423	15.8	0.80	GM
Sept 18/01	146	8.478	14.7	0.90	GM
Sept 19/01	146	8.681	14.9	0.87	GM
Sept 20/01	144	8.792	15.3	1.13	GM
Sept 21/01	148	8.038	15.5	0.81	GM
Sept 22/01	152	7.753	14.5	1.15	MR
Sept 23/01	144	7.474	14.1	0.91	MR
Sept 24/01	128	7.263	13.8	0.94	GM
Sept 25/01	157	6.824	13.9	0.89	MR
Sept 26/01	143	6.709	13.9	1.12	GM
Sept 27/01	146	6.867	13.4	0.95	GM
Sept. 28/01	104	6.796	13.4	0.93	AC
Sept. 29/01	128	7.423	15.1	0.99	AC
Sept. 30/01	135	7.396	14.2	1.01	AC
Oct 1/01	-3	6.852	13.4	1.02	MR
Oct 2/01	-3	6.845	13.4	0.98	MR

**Table 6-1
RAW WATER (DAILY)**

Date	Apparent Colour	pH	Temp. (Deg. C)	Turbidity (NTU)	
Oct 3/01	132	6.896	12.7	0.95	GM
Oct 4/01	133	6.945	12.8	0.98	GM
Oct 5/01	132	6.572	14.1	0.96	GM
Oct 6/01	134	6.638	14.3	0.98	GM
Oct 7/01	130	6.670	12.4	0.97	GM
Oct 8/01	132	6.759	11.8	0.96	MR
Oct 9/01	143	6.683	11.8	0.93	GM
Oct 10/01	130	6.243	12.2	1.03	GM
Oct 11/01	132	6.371	11.9	0.85	GM
Oct 12/01	132	6.383	11.9	0.91	GM
Oct. 13/01	137	5.909	11.0	0.79	A.C
Oct. 14/01	135	6.153	11.8	0.88	AUC
Oct 15/01	133	6.426	11.3	0.78	GM
Oct 16/01	124	6.129	11.3	0.82	GM
" 17/01	128	6.329	11.3	0.80	GM
" 18/01	121	6.759	12.2	0.78	GM
" 19	128	6.603	12.4	1.26	GM
Oct 20/01	124	6.692	11.5	0.76	MR
Oct 21/01	115	6.217	11.3	0.74	MR
" 22/01	128	6.144	10.6	0.73	GM
" 23/01	108	5.856	11.2	0.78	GM
" 24/01	121	5.829	11.4	0.85	GM
" 25/01	130	5.967	10.1	0.96	GM
Nov 3/01	-3	5.187	13.1	0.63	MR

**Table 6-1
RAW WATER (DAILY)**

Date	Apparent Colour	pH	Temp. (Deg. C)	Turbidity (NTU)	
Nov 4/01	69	5.254	13.6	0.92	MR
Nov 5/01	69	6.039	9.0	0.91	GM
Nov 6/01	82	5.659	8.0	0.68	GM
Nov 07/01	82	5.531	7.2	0.67	GM
Nov 08/01	69	6.019	8.3	1.01	GM
Nov 9, 2001	67	5.285	6.9	0.66	AVC
Nov 10 2001	71	5.631	7.0	0.81	AVC
Nov. 11 2001	69	5.511	7.4	0.69	AVC
Nov. 12 2001	71	5.534	7.2	0.51	AVC
Nov. 13, 2001	73	5.844	7.4	0.46	AVC
Nov. 14/2001	75	8.748	10.2	1.73	AVC
Nov. 15/2001	67	8.889	9.8	0.59	AVC
Nov. 16/2001	71	9.120	9.3	0.68	AC
Nov 17/01	73	7.461	12.2	0.76	MR
Nov 18/01	75	6.795	10.2	0.73	MR
Nov. 19, 2001	71	6.400	9.7	0.76	AVC
Nov. 20, 2001	78	8.602	12.2	0.93	AVC
Nov. 21, 2001	80	8.477	12.2	1.02	AVC
Nov. 22/01	78	9.021	10.4	0.65	AVC
Nov. 23/01	82	9.148	9.7	0.66	AVC
Nov. 24/01	80	8.374	10.1	0.73	AVC
25/01	82	9.048	9.8	0.65	AVC
Nov 26/01	82	8.865	9.3	0.75	MR
Nov 27/01	82	6.701	8.2	0.73	MR

**Table 6-1
RAW WATER (DAILY)**

Date	Apparent Colour	pH	Temp. (Deg. C)	Turbidity (NTU)	
Nov 28/01	78	6.306	11.6	0.61	GM
Nov 29/01	80	6.024	10.8	0.55	GM
Nov 30/01	75	6.053	10.6	0.84	GM
Dec 1/01	86	6.750	7.3	0.76	MR
Dec 2/01	66	6.830	17.9	1.24	MR
Dec 03/01	78	6.402	8.5	0.60	GM
Dec 04/01	89	6.655	10.5	0.78	GM
Dec 05/01	72	6.542	11.2	0.62	GM
Dec 06/01	80	6.329	11.9	0.63	GM
Dec 07/01	78	6.418	10.8	0.62	GM
Dec 8/2001	73	6.889	12.9	0.53	AVC
Dec 9/2001	76	6.318	11.2	0.62	AVC
Dec 10/01	69	6.423	11.2	0.62	GM
Dec 11/01	75	6.513	11.4	0.60	GM
Dec 12/01	71	6.663	10.9	0.54	GM
Dec 13/01	78	6.329	10.8	0.60	GM
Dec 14/01	80	6.899	11.2	0.71	
Dec 15/01	73	5.630	11.7	0.56	AVC
Dec 16/01	78	6.718	11.4	0.64	AVC
Dec 17/01	93	7.039	17.4	0.74	GM
Dec 18/01	82	5.613	16.2	0.86	GM
Dec 19/01	78	6.731	9.7	0.56	GM
Dec 20/01	84	6.672	9.6	0.56	GM
Dec 24/01	88	6.739	10.2	0.54	GM

**Table 6-1
RAW WATER (DAILY)**

Date	Apparent Colour	pH	Temp. (Deg. C)	Turbidity (NTU)	
Dec 25/01	89	6.215	10.1	0.95	GM
Dec 26/01	97	7.057	9.8	0.96	GM
Dec 27/01	88	7.621	9.9	0.88	GM
Dec 28/01	89	6.748	14.7	0.75	GM
Dec 29/01	88	6.628	14.8	0.78	GM
Dec 30/01	85	6.232	14.9	0.80	GM
Dec 31/01	90	6.103	15.2	0.75	GM
Jan 1/02	80	6.282	14.8	0.73	GM
Jan 2/02	89	6.629	15.2	0.75	GM
Jan 03/02	90	6.328	14.5	0.80	GM
Jan 04/02	91	6.109	14.5	0.88	GM
Jan 05/02	88	6.351	14.1	0.75	GM
Jan 06/02	90	6.451	14.8	0.98	GM
Jan 07/02	89	6.532	14.5	0.88	GM
Jan 08/02	95	6.419	15.8	0.99	GM
Jan 09/02	89	7.407	11.1	0.54	GM
Jan 10/02	89	6.945	10.4	0.62	GM
Jan 11/02	91	6.669	11.9	0.59	GM
Jan 12/2002	84	7.220	8.9	0.72	MR
Jan 13/2002	99	5.914	9.5	1.18	MR
Jan 14/2002	98	5.921	10.1	0.59	GM
Jan 15/2002	97	7.000	11.9	0.91	GM
Jan 16/02	89	5.716	9.8	0.70	GM
Jan 17/02	82	6.920	8.8	0.55	GM

**Table 6-4
TREATED WATER (DAILY)**

Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	INITIALS
10/5/00	0	0.23	NA	2.17/2.06	TU
10/6/00	4	0.38	—	1.58/1.56	TU
10/12/00	11	0.31	—	2.20/2.09	TU
10/13/00	35	0.35	—	2.20/2.20	GM
10/14/00	34	0.38	—		GM
10/17/00	7	0.52	—	1.59/1.57	GM
10/18/00	0.01	0.35	—	1.40/1.39	GM
10/19/00	0.00	0.57	—	1.49/1.47	GM
10/20/00	0.03	0.70	—	1.17/1.14	GM
10/23/00	0.05	0.82	—	2.06/2.00	GM
10/24/00	0.02	0.48	—	0.36/0.30	GM
10/25/00	0.04	0.54	—	0.02/0.01	GM
10/26/00	0.01	0.71	—	0.13/0.06	GM
10/27/00	0.03	1.27	—	0.23/0.10	GM
10/28/00	0.0	0.60	—		

**Table 6-4
TREATED WATER (DAILY)**

Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	INITIALS
10/21/00	-3	0.36	Probe Not Working	1.54/1.49	GM
11/02/00	0	0.60	Probe Not Working	1.40/1.	GM
11/03/00	-3	0.25	PNW	1.82/1.71	GM
11/07/00	7	36	—		GM
11/08/00	0	27	—	0.03/0	GM
11/09/00	0	0.39	—	1.38/1.34	GM
11/14/00	0	1.23	—	0.78/0.64	GM
11/15/00	9	0.37	—	0.36/0.34	GM
11/16/00	0	0.38	—	0.86/0.76	GM
11/17/00	0	0.93	—	0.86/0.76	GM
11/20/00	-0	0.82	—	1.62/	GM
11/21/00	0	0.52	—	0.58/0.46	GM
11/24/00	0	0.65	—	0.55/0.44	GM
11/27/00	0	1.29	—	0.90/0.90	GM
11/28/00	-1	1.08	—	0.93/0.47	GM
11/30/00	0	0.44	—	0.54/0.46	GM
12/01/00	0	0.57	—	1.11/0.84	GM
12/04/00	-5	0.27	—		GM
12/06/00	-9	0.27	—	0.52/0.45	GM
12/14/00	3	0.34	—	1.05/0.98	GM
12/15	-12	0.25	—		GM
12/20/00	-11	0.63	—	0.41/	GM
01/03/01	0	1.00	—		

**Table 6-4
TREATED WATER (DAILY)**

Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	INITIALS
JAN/4/01	-36	1.02	PROBE NOT WORKING.	0.98	Ⓜ
01/05/01	-25	0.43	—	1.00	GM
01/06/01	-25	1.28	—	1.45	GM
01/07/01	-3	0.34	—	1.08	GM
01/08/01	-5	0.42	—	1.00	GM
01/10/01	-22	0.84	—	1.45	GM
01/11/01	-9	0.22	—	1.34	GM
01/12/01	-27	0.26	—	0.33	GM
01/13/01	-7	0.98	—	0.90	GM
01/14/01	0	0.23	—	1.09	GM
01/15/01	-7	0.86	—	1.42	GM
01/16/01	0	0.19	—	0.09	GM
01/17/01	-1	0.39	—	1.97 Free	GM
01/18/01	0	0.38	—	1.02 Free	GM
01/19/01	3	0.52	—	0.88	GM
01/21/01	0	0.39	—	0.05	GM
01/22/01	0	0.35	—	0.98	GM
01/24/01	-7	0.42	—		GM
01/25/01	-12	0.21	—		GM
01/26/01	-1	0.18	—		GM
JAN/27/01	-7	0.51	NOT WORKING.	1.13	Ⓜ
JAN/28/01	1	0.42	—	1.02	Ⓜ

**Table 6-4
TREATED WATER (DAILY)**

Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	INITIALS
Jan 29/01	1	2.40		1.08	GM
Jan 30/01	-14	0.79		1.02	GM
Jan 31/01	-5	0.40		1.24	GM
Feb 1/01	0	0.18		0.99 ^(N)	GM
Feb 3/01	-12	0.33		1.79	GM
Feb 4/01	0	0.20		0.99	GM
Feb 5/01	-3	0.66		0.67	GM
Feb 6/01	-5	0.60		0.70	GM
Feb 7/01	-11	0.36		0.71	GM
Feb 8/01	-2	0.40		0.75	GM
Feb 9/01	-5	0.69		0.51	GM
Feb 10/01	0	0.20		0.41	GM
Feb 12/01	-3	1.06		0.70	GM
Feb 13/01	-5	0.54			RL
Feb 14/01	1	0.42		0.68	RL
Feb 15	0	0.37		0.75	GM
Feb 19/01	-18	0.20			GM
Feb 20/01	-3	1.71		1.15 Total	GM
Feb 21/01	-23	0.21		0.24 Total	GM
Feb 22/01	-5	0.23		0.57	GM
Feb 23/01	-7	0.33		0.33	GM
FEB 24/01	0	0.44			(H)
FEB 25/01	-16	0.47	-	0.65	(H)

PAT.

**Table 6-4
TREATED WATER (DAILY)**

Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	
Mar 1/01	-7	0.31	7.8	1.07	GM
Mar 2/01	-7	0.42	7.7	1.21	GM
Mar 3/01	-5	0.23	7.4	1.66	GM
Mar 06/01	8 -16	0.19	7.4	0.44	GM
Mar 07/01	-1	0.23	7.1	1.19	GM
Mar 08/01	-11	0.22	6.3	1.21	GM
Mar 09/01	-9	0.18	6.7	1.29	GM
SAT. MAR 10/01	-1	0.39	6.8	1.43 TOTAL	Ⓜ
SUN MAR 11/01	1	0.33	5.8	0.31 TOTAL	Ⓜ
Mar 12/01	0	0.43	6.4	0.80 Total	GM
Mar 14/01	9	0.23	7.0	1.87 Total	GM
Mar 15/01	-12	0.22	7.2	0.85 T	GM
Mar 16/01	-18	0.28	6.8	0.80 Total	GM
SAT. MAR 17/01	-12	0.53	6.1	0.76 9:30 AM NOT DONE.	Ⓜ
Mar 18/01	-14	0.39	6.3	0.93	GM
Mar 19/01	0	0.34	6.8	0.97	GM
Mar 20/01	-1	0.32	6.2	1.07	GM
Mar 21/01	-14	0.25	7.4	1.38	GM
Mar 22/01	0	0.28	6.6	0.44	GM
Mar 23/01	5	0.25		1.14	GM
Mar 24/01	5	0.25	7.6	2.20	GM
Mar 25/01	5	0.29	7.5	2.20	GM
Mar 26/01	3	0.27	5.7	1.59	GM

**Table 6-4
TREATED WATER (DAILY)**

Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	
Mar 27/01	1	0.36	7.2	1.07	
Mar 28/01	7	0.30	7.1	1.15	
Mar 29/01	1	0.39	6.9	0.87	
MAR 30/01	0	0.24	7.15	1.03 TOTAL	(H)
SAT MAR 31/01	0	0.51	6.90	1.08 TOTAL	(H)
SUN Apr 1/01	3	0.35	7.568	1.03 TOTAL	(M)
APRIL 3/01	- 3 ?	0.26	7.00	0.91 TOTAL	(H)
APRIL 4/01	3 5	0.33	6.55	1.02 TOTAL.	(H)
APRIL 6/01	- 3	0.30	6.53	1.08 TOTAL.	(H)
SAT APRIL 7/01	1	0.32	6.52	0.68 TOTAL.	(H)
SUN APRIL 8/01	0	0.29	7.15	0.85 TOTAL	(H)
APRIL 9/01	- 1	0.33	6.93	0.96 TOTAL	(H)
APRIL 10/01	- 1	0.33	6.48	0.62 TOTAL	(H)
APRIL 11/01	1	0.45	6.55	0.86 TOTAL	(H)
APRIL 13/01	- 7	0.33	7.30	1.28 TOTAL	(H)
SAT APRIL 14/01	- 5	0.41	7.33	1.34 TOTAL	(H)
SUN APRIL 15/01	- 11	0.22	7.14	1.38 TOTAL	(H)
APRIL 16/01	3	0.36	6.71	1.24 TOTAL	(H)
APRIL 17/01	- 11	0.25	6.71	1.07 TOTAL	(H)
APRIL 18/01	0	0.28	6.61	0.86 TOTAL	(H)
APRIL 19/01	0	0.27	7.05	0.79 TOTAL	(H)
APRIL 20/01	0	0.28	6.68	0.81 TOTAL	(H)
SAT APRIL 21/01	- 1	0.26	6.77	1.01 TOTAL	(H)

**Table 6-4
TREATED WATER (DAILY)**

Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	INITIALS
AP 23/01	0	0.25	6.99	1.19 TOTAL.	Ⓜ
AP 24/01	-1	0.25	6.92	1.12 TOTAL	Ⓜ
AP 25/01	0	0.33	7.05	1.25 TOTAL	Ⓜ
AP. 26/01	0	0.21	6.96	1.12 TOTAL	Ⓜ
AR. 27/01	-7	0.26	6.97	1.09 TOTAL	Ⓜ
SAT AP. 28/01	5	0.25	7.22	1.14 TOTAL	Ⓜ
AP. 30/01	9	0.30	7.01	1.11 TOTAL.	Ⓜ
MAY 1/01	-3	0.23	7.02	0.89 TOTAL.	D.P.
May 2/01	1	0.84	6.89	0.96 TOTAL	D.P.
May 3/01	-5	0.42	6.80	0.87 TOTAL	D.P.
MAY 4/01	3	0.27	7.16	1.29 TOTAL	Ⓜ
SUN MAY 6/01	7 1	0.24	6.99	1.23 TOTAL	Ⓜ
MAY 7/01	-3	0.65	7.60	1.24 TOTAL	Ⓜ
MAY 8/01	-3	0.22	7.21	1.32 TOTAL	Ⓜ
May 9/01	-0	0.86	7.03	1.28 TOTAL	D.P.
MAY 10/01	9	0.36	7.52	0.96 TOTAL	Ⓜ
MAY 11/01	1	0.29	7.05	1.00 TOTAL	Ⓜ
MAY 14/01	12	0.53	6.37	1.12 TOTAL	D.P.
MAY 15/01	-7	0.50	6.98	1.06 TOTAL	D.P.
MAY 16/01	5	0.26	7.55	1.20 TOTAL	D.P.
MAY 17/01	11	0.31	7.00	1.28 TOTAL	D.P.
MAY 18/01	12	0.73	6.92	1.01 TOTAL	D.P.
MAY 19/01	7	0.24	7.63	NET D.C.F.	Ⓜ

**Table 6-4
TREATED WATER (DAILY)**

Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	INITIALS
MAY 20/01	5	0.55	6.80	1.08	AE
MAY 21/01	3	0.19	6.61	0.99 TOTAL	AE
MAY 22/01	1	0.21	7.98	1.01	D.P.
MAY 23/01	9	0.19	8.02	1.27	D.P.
MAY 24/01	0	0.28	7.25	0.95 TOTAL	AE
MAY 28/01	0	0.24	7.14	1.23 TOTAL	D.P.
MAY 29/01	3	0.24	7.75	1.35 TOTAL	D.P.
MAY 30/01	-3	0.27	7.96	0.94 TOTAL	AE
MAY 31/01	7	0.29	6.40 *	0.74 TOTAL	D.P.
June 1/01	0	0.27		0.83 TOTAL	D.P.
June 4/01	-1	0.26		0.63 TOTAL	D.P.
June 5/01	3	0.27		1.21 TOTAL	D.P.
June 6/01	-1	0.27		0.92 TOTAL	D.P.
June 7/01	0	0.22		0.48 TOTAL	D.P.
June 8/01	-3	0.27		0.88 TOTAL	D.P.
June 11/01	3	0.36	—	0.58 TOTAL	AE
June 12/01	1	0.27		0.65 TOTAL	D.P.
JUNE 13/01	5	0.17	—	0.86 TOTAL	AE
JUNE 14/01	1	0.18		0.79 TOTAL	AE
JUNE 15/01	-3	0.18	—	1.56 TOTAL	D.P.
JUNE 16/01	5	0.19	—	0.70 TOTAL	AE
JUNE 17/01	-3	0.16	—	0.72 TOTAL	AE
JUNE 18/01	5	0.19	—	0.71 TOTAL	D.P.

SUN

SAT

SUN

**Table 6-4
TREATED WATER (DAILY)**

	Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	
	June 19/01	11	0.31	—	0.68 TOTAL	D.P.
	JUNE 22/01	5	0.24	—	0.00 TOTAL	(H)
Sat.	June 23/01	-9	0.16	—	0.04 TOTAL	D.P.
Sun	June 24/01	-0	0.29	—	0.01 TOTAL	D.P.
	June 25/01	-5	0.18	—	0.02 TOTAL	D.P.
	JUNE 26/01	-1	0.25	8.28	0.06 TOTAL	(H)
	JUNE 27/01	1	0.20	8.42	1.36 TOTAL	(H)
	JUNE 28/01	7	0.18	5.611	0.85 TOTAL	(H)
	JUNE 29/01	1	0.18	8.398	0.94 TOTAL	(H)
AT	JUNE 30/01	0	0.13	8.487	1.36 FREE	(H)
SUN	JULY 1/01	7	0.20	8.230	0.30 FREE	(H)
TUES.	JULY 3/01	5	0.16	8.304	0.86 FREE	(H)
	JULY 4/01	0	0.19	8.257	0.68 FREE	(H)
	JULY 5/01	-3	0.33	8.145	0.42 TOTAL	(H)
	JULY 6/01	5	0.20	7.987	0.56 TOTAL	(H)
SUN	JULY 8/01	0	0.35	7.938	0.86 TOTAL	(H)
	JULY 9/01	-1	0.22	7.016	0.91 TOTAL	(H)
	JULY 10/01	-0	0.17	7.789	0.96 TOTAL	(H)
	JULY 11/01	-1	0.21	7.729	0.86 TOTAL	(H)
	JULY 12/01	5	0.33	8.027	0.74 TOTAL	(H)
	JULY 13/01	-1	0.14	7.854	1.11 TOTAL	(H)
SAT	JULY 14/01	-7	0.20	7.603	0.97 TOTAL	(H)
IN	JULY 15/01	5	0.17	7.849	1.15 TOTAL	(H)

**Table 6-4
TREATED WATER (DAILY)**

Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	
JULY, 16/01	- 3	0.36	7.900	0.97 TOTAL	ⓐ
JULY 17/01	- 1	0.19	7.351	1.09 TOTAL.	ⓐ
JULY 18/01	5	0.27	7.757	0.01 TOTAL	ⓐ
JULY 19/01	- 5	0.28	7.317	1.38 TOTAL	ⓐ
JULY 20/01	0	0.19	8.182.	1.32 TOTAL	ⓐ
JULY 23/01	3	0.25	6.780	0.94 TOTAL	ⓐ
JULY 24/01	- 1	0.14	6.903	0.84 TOTAL	ⓐ
JULY 25/01	7	0.18	7.728	1.31 TOTAL	ⓐ
JULY 26/01	3	0.14	7.671	0.96 TOTAL	ⓐ
JULY 27/01	5	0.16	6.737	1.19 TOTAL	ⓐ
JULY 28/01	7	0.18	6.533	1.06 TOTAL	ⓐ
JULY 29/01	- 1	0.31	7.113	1.09 TOTAL	ⓐ
JULY 30/01	- 1	0.22	6.56	1.12 Total	
JULY 31/01	- 3	0.17	7.054	0.95 total	C.
Aug. 1. 2001	- 7	0.20	6.581	0.83 TOTAL	A.C
Aug 2 /01	- 5	0.15	6.780	1.09 Total	GM
Aug 3/01	7	0.19	6.381	0.87 TOTAL.	D.P.
Aug 4/01	5	0.23	6.387	0.80 Total	GM
Aug 5/01	3	0.16	6.508	1.51 TOTAL.	D.P.
Aug 6/01	- 3	0.21	6.539	0.98 Total	GM
Aug 7/01	5	0.28	6.366 *	1.01 TOT	MR
Aug 8/01	0	0.40	6.815	1.26 TOTAL	G.m.
Aug 9/01	- 3	0.20	7.205		GM

SAT
SUN

**Table 6-4
TREATED WATER (DAILY)**

	Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	
	Aug 10/01	-11	0.26	7.669	0.90 TOTAL	
SAT	AUG 11/01	-3	0.24	7.074	0.75 TOTAL	CH
SUN	AUG 12/01	0	0.24	7.825	0.77 TOTAL	CH
	Aug 13/01	1	0.24 0.24	7.356	0.65 TOTAL	D.P.
	AUG 14/01	0	0.30	7.461	1.26 TOTAL	CH
	AUG 15/01	-5	0.24	7.072	0.89 TOTAL	CH
	Aug 15/01	9	0.22	7.488	0.95 TOTAL	CH
	Aug. 17/01	7	0.29	7.598	1.83 Total	AC
	Aug 18/01	-0	0.27 0.27	6.969	1.49 TOTAL	D.P.
	AUG 19/01	-1	0.19	6.232	1.51 TOTAL	GM
	AUG 20/01	1	0.18	6.538	1.51 TOTAL	MR
	AUG 21/01	7	0.17	6.780	1.23 TOTAL	GM
	Aug 20/01	-3	0.37	6.669	0.94 Total	MR
	AUG 23/01	-1	0.18	6.483 *	1.20 Total	GM
	Aug 24/01	-12	0.22	6.314 *	0.85	MR
SAT	AUG 25/01	11	0.23	6.461 *	0.59 Total	GM
	Aug 26/01	-3	0.27	6.119 *	0.86 Total	D.P.
	Aug 30/01	0	0.41	6.552		
SAT	Sept. 1/01	-0	0.23	6.969	0.93 TOTAL	MR
SUN	Sept 2/01	-1	0.22	7.003	1.15 Total	GM
	Sept 3/01	7	0.16	6.682	1.03 Total	GM
	Sept 4/01	3	0.16	6.605	1.46 Total	GM
	Sept 5/01	3	0.21	6.529	2.20 Total	GM

**Table 6-4
TREATED WATER (DAILY)**

Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	
Sept 6/01	-7	0.13	6.427	2.20 Total	GM
Sept 7/01	-3	0.19	6.532	1.19 Total	GM
Sept 8/01	5	0.31	6.649	0.81 Total	MR
Sept 9/01	1	1.09	6.511	1.24 Total	MR
Sept 10/01	-9	0.20	7.629	1.43 Total	GM
Sept 11/01	9	0.20	7.221	1.65 Total	GM
Sept 12/01	-7	0.23	7.640	1.10 Total	GM
Sept 13/01	0	0.27	7.532	1.08	GM
Sept 14/01	3	0.22	6.957	1.01	GM
Sept. 15/01	5	0.23	6.629		A.C
Sept. 16/01	1	0.26	6.894	0.90	AC.
Sept 17/01	5	0.22	6.523	0.79 Total	GM
Sept 18/01	7	0.29	7.649	0.70 Total	GM
Sept 19/01	5	0.25	8.017	0.75 Total	GM
Sept 20/01	1	0.24	7.020	0.71 Total	GM
Sept 21/01	0	0.23	7.611	0.93 Total	GM
Sept 22/01	5	0.28	7.169	0.88	MR
Sept 23/01	3	0.60	6.911	0.94	MR
Sept 24/01	-0	0.39 0.28	6.023	0.43	GM
Sept 25/01	12	0.62	6.836	0.79	MR
Sept 26/01	9	0.31	6.689	0.05	MR
Sept 27/01	-7	0.36	6.680	0.78	GM
Sept. 28/01	-5	0.26	6.764	1.20	AC

**Table 6-4
TREATED WATER (DAILY)**

Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	
Sept. 29/01	-5	0.33	6.613	1.26	AC
Sept 30/01	-3	0.41	6.749	1.49	AC
Oct 1/01	0	0.57	6.791	1.64	MR
Oct 2/01	-14	0.51	6.802	0.93	MR
Oct 3/01	-9	0.36	7.016	1.20 Free	GM
Oct 4/01	-1	0.24	6.730	1.01	GM
Oct 5/01	0	0.20	6.928	0.83	GM
Oct 6/01	-0	0.18	7.129	0.63	GM
Oct 7/01	1	0.29	6.518	0.83	GM
Oct 8/01	-7	0.28	6.713	0.79	MR
Oct 9/01	5	0.39	6.391	1.15	GM
Oct 10/01	0	0.25	6.350	1.35	GM
Oct 11/01	-1	0.27	6.470	1.03	GM
Oct 12/01	3	0.37	6.329	1.10	GM
Oct. 13/01	5	0.31	6.682	0.91	A.C
Oct 14/01	9	0.46	6.732	1.46	A.C
Oct 15/01	09	0.36	6.545	1.45	GM
Oct 16/01	-01	0.24	6.639	1.28	GM
" 17/01	0	0.22	6.749	1.15	GM
" 18/01	3	0.41	6.455 *	1.10	GM
" 19/01	0	0.37	6.479 †	0.59	GM
Oct 20/01	7	0.43	6.459 ‡	0.03	MR
Oct 21/01	0	0.37	6.406 *	0.71	MR

**Table 6-4
TREATED WATER (DAILY)**

Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	
Oct 22 / 01	9	0.31	6.335 *	0.63	GM
" 23 / 01	- 5	0.26	6.329 *	0.85	GM
" 24 / 01	7	0.37	6.237 *	0.48	GM
" 25 / 01	0	0.28	6.7203 *	0.63	GM
Nov 3 / 01	- 7	0.42	6.757	0.91	MR
Nov 4 / 01	11	0.37	7.100	0.84	MR
Nov 5 / 01	- 9	0.22	6.307 *	0.93	GM
Nov 6 / 01	5	0.24	6.806	1.40	GM
Nov 07 / 01	0	0.39	7.009	1.82	GM
Nov 08 / 01	0	0.28	6.527	1.43	GM
Nov 9 / 2001	- 0	0.34	6.934	1.22	AVC
Nov 10 / 2001	0	0.21	6.503	1.72	AVC
Nov 11 / 2001	3	0.46	6.458	1.51	AVC
Nov 12 / 2001	0	0.48	6.534	1.32	AVC
Nov 13 / 2001	0	0.31	6.807	1.11	AVC
Nov 14 / 2001	- 0	0.21	6.429	1.47	AVC
Nov 15 / 2001	- 3	0.35	7.279	1.01	
Nov 16 / 2001	- 3	0.51	7.510	1.02	AVC
Nov 17 / 2001	- 0	0.33	6.577	0.99	MR
Nov 18 / 2001	0	1.76	6.472	1.06	MR
Nov 19 / 2001	- 3	0.55	6.505	1.08	AVC
Nov 20 / 01	- 0	0.36	7.586	1.48	AVC
Nov 21 / 01	3	0.37	7.538	1.10	AVC

**Table 6-4
TREATED WATER (DAILY)**

Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	
Nov. 22/01	3	0.29	7.959	0.98	AUC
Nov. 23/01	12	0.36	6.177*	1.08	AUC
Nov. 24/01	5	0.32	6.054	1.01	AUC
Nov 25/01	3	0.32	6.077	1.05	AUC
Nov 26/01	5	0.26	6.354	0.41	MR
Nov 27/01	-0	0.31	6.038	1.07	MR
Nov 28/01	-1	0.29	6.152*	1.02	GM
Nov 29/01	0	0.28	6.029*	1.03	GM
Nov 30/01	0	0.22	6.377 +	1.63	GM
Dec 1/01	1	0.65	6.209*	1.75	MR
Dec 2/01	-5	0.27	6.166 +	1.80	MR
Dec 03/01	0	0.28	6.722	2.20	GM
Dec 04/01	-3	0.15	6.819	1.30	GM
Dec 5/01	0	0.09	6.753	1.31	GM
Dec 6/01	2	0.52	6.745	1.42	GM
Dec 7/01	0	0.28	6.532	1.73	GM
Dec 8/2001	-0	0.18	6.708	1.48	AUC
Dec 9/2001	0	0.27	6.319	1.82	AUC
Dec 10/01	-0	0.15	6.542	2.20	GM
Dec 11/01	1	0.20	6.732	0.00	GM
Dec 12/01	-1	0.15	6.629	1.35	GM
12/13/01	-0	0.22	6.523	0.22	GM
Dec 14/01	-1	0.15	6.662	0.23	GM

**Table 6-4
TREATED WATER (DAILY)**

Date	Apparent Colour	Turbidity (NTU)	pH	Chlorine Residual (mg/L)	
Jan 10/02	3	0.20	6.803	1.15	GM
Jan 11/02	9	0.43	6.793	0.15	GM
Jan 12/02	0	0.28	6.695	1.52	MR
Jan 13/2002	14	0.77	6.806	1.66	MR
Jan 14/2002	5	0.55	6.729	no reading	GM
Jan 15/2002	0	0.19	6.618	0.02	GM
Jan 16/2002	-0	0.27	6.759	0.01	GM
Jan 17/2002	0	0.18	6.852	1.29	GM
Jan 18/2002	5	0.39	6.351	0.81	GM
Jan 19/2002	3	0.26	6.752	0.98	AC
Jan 20/02	-1	0.72	6.518	0.42	AC
Jan 21/02	5	0.56	6.753	0.01	GM
Jan 22/02	0	0.21	6.668	0.01	GM
Jan 23/02	-0	0.18	6.728	1.87	GM
Jan 24/02	0	0.21		1.39	GM
Jan 25/02	-1	0.21		1.52	GM
Jan 26/02	0	0.52	5.960	1.11	MR
Jan 27/02	5	0.75	6.093	0.90	MR
Jan 28/02	14	0.62	6.050	1.84	GM
Jan 29/02	0	0.21	6.050	1.05	GM
Jan 30/02	0	0.60		0.80	GM
Feb 1/02	5	0.81	6.174	0.81	MR
Feb 3/02	12	0.96	6.248	0.35	MR

Dec 20 101
G. Mason

CHLORINE RESIDUAL READINGS

CHLORINE RESIDUAL READINGS MUST BE TAKEN ONCE A WEEK OF
ONCE A DAY WHEN THERE IS A CONCERN WITH THE WATER QUALITY

TAKE RESIDUAL READINGS AT THE FOLLOWING LOCATIONS

(A) WATER TREATMENT PLANT

TOTAL 0.05 FREE 0.03 TIME 9:05

(B) s.19(1)

TOTAL 0.14 FREE 0.12 TIME 10:20

(C) BAND OFFICE

TOTAL 0.08 FREE 0.03 TIME 10:50

(D) SCHOOL

TOTAL 0.05 FREE 0.07 TIME 10:42

(E) NURSING STATION

TOTAL 0.14 FREE 0.07 TIME 11:02

(F) DEADEND COAST ROAD

TOTAL _____ FREE _____ TIME _____

Wilson

Dec 24/01

CHLORINE RESIDUAL READINGS

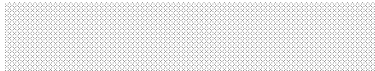
CHLORINE RESIDUAL READINGS MUST BE TAKEN ONCE A WEEK OR ONCE A DAY WHEN THERE IS A CONCERN WITH THE WATER QUALITY

TAKE RESIDUAL READINGS AT THE FOLLOWING LOCATIONS

(A) WATER TREATMENT PLANT

TOTAL 0.10 FREE _____ TIME _____

(B)



s.19(1)

TOTAL 0.80 FREE 0.38 TIME 9:45

(C) BAND OFFICE

TOTAL 0.86 FREE 0.32 TIME 9:45

(D) SCHOOL

TOTAL _____ FREE _____ TIME _____

(E) NURSING STATION

TOTAL 0.37 FREE 0.35 TIME 10:00

(F) DEADEND COAST ROAD

TOTAL _____ FREE _____ TIME _____

CHLORINE RESIDUAL READINGS

CHLORINE RESIDUAL READINGS MUST BE TAKEN ONCE A WEEK (ONCE A DAY WHEN THERE IS A CONCERN WITH THE WATER QUAL

TAKE RESIDUAL READINGS AT THE FOLLOWING LOCATIONS

(A) WATER TREATMENT PLANT

TOTAL 0.98 FREE _____ TIME 10:45 AC

(B) _____ s.19(1)

TOTAL _____ FREE _____ TIME _____

(C) BAND OFFICE

TOTAL _____ FREE _____ TIME _____

(D) SCHOOL

TOTAL _____ FREE _____ TIME _____

(E) NURSING STATION

TOTAL _____ FREE _____ TIME _____

(F) DEADEND COAST ROAD

TOTAL _____ FREE _____ TIME _____

Jan 10 / 02

CHLORINE RESIDUAL READINGS

CHLORINE RESIDUAL READINGS MUST BE TAKEN ONCE A WEEK OF ONCE A DAY WHEN THERE IS A CONCERN WITH THE WATER QUALITY

TAKE RESIDUAL READINGS AT THE FOLLOWING LOCATIONS

(A) WATER TREATMENT PLANT

TOTAL 0.15 FREE _____ TIME 8:46

s.19(1)(B)



TOTAL 0.40 FREE 0.38 TIME 9:35

(C) BAND OFFICE

TOTAL 0.38 FREE 0.30 TIME 9:46

(D) SCHOOL

TOTAL 0.30 FREE 0.27 TIME 9:50

(E) NURSING STATION

TOTAL 0.21 FREE 0.18 TIME 10:00

(F) DEADEND COAST ROAD

TOTAL _____ FREE _____ TIME _____

Jan 11/02

CHLORINE RESIDUAL READINGS

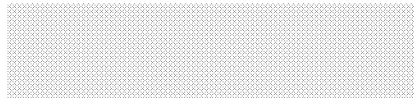
CHLORINE RESIDUAL READINGS MUST BE TAKEN ONCE A WEEK OR ONCE A DAY WHEN THERE IS A CONCERN WITH THE WATER QUALITY

TAKE RESIDUAL READINGS AT THE FOLLOWING LOCATIONS

(A) WATER TREATMENT PLANT

TOTAL 0.13 FREE _____ TIME 8:41

s.19(B)



TOTAL 0.26 FREE 0.68 TIME 9:17

(C) BAND OFFICE

TOTAL 0.77 FREE 0.70 TIME 9:28

(D) SCHOOL

TOTAL 1.67 FREE 0.46 TIME 9:40

(E) NURSING STATION

TOTAL 0.48 FREE 0.39 TIME 9:55

(F) DEADEND COAST ROAD

TOTAL _____ FREE _____ TIME _____

Jan 14

CHLORINE RESIDUAL READINGS

CHLORINE RESIDUAL READINGS MUST BE TAKEN ONCE A WEEK OF ONCE A DAY WHEN THERE IS A CONCERN WITH THE WATER QUALITY

TAKE RESIDUAL READINGS AT THE FOLLOWING LOCATIONS

(A) WATER TREATMENT PLANT

TOTAL 0.02 FREE _____ TIME 840

s.19(1)(B) 

TOTAL 0.39 FREE 0.35 TIME 930

(C) BAND OFFICE

TOTAL 0.35 FREE 0.30 TIME 940

(D) SCHOOL

TOTAL _____ FREE _____ TIME _____

(E) NURSING STATION

TOTAL _____ FREE _____ TIME _____

(F) DEADEND COAST ROAD

TOTAL _____ FREE _____ TIME _____

Jan 16/01

CHLORINE RESIDUAL READINGS

CHLORINE RESIDUAL READINGS MUST BE TAKEN ONCE A WEEK OR
ONCE A DAY WHEN THERE IS A CONCERN WITH THE WATER QUALITY

TAKE RESIDUAL READINGS AT THE FOLLOWING LOCATIONS

(A) WATER TREATMENT PLANT

TOTAL 0.01 FREE - TIME 8:40

s.19(1)(B)

TOTAL 0.12 FREE 0.10 TIME 9:50

(C) BAND OFFICE

TOTAL 0.15 FREE 0.10 TIME 10:00

(D) SCHOOL

TOTAL 0.10 FREE 0.09 TIME 10:15

(E) NURSING STATION

TOTAL 0.20 FREE - TIME 10:30

(F) DEADEND COAST ROAD

TOTAL 0.24 FREE 0.20 TIME 10:40

003929

CHLORINE RESIDUAL READINGS

Jan 17 2002

AM

CHLORINE RESIDUAL READINGS MUST BE TAKEN ONCE A WEEK OR ONCE A DAY WHEN THERE IS A CONCERN WITH THE WATER QUALITY

TAKE RESIDUAL READINGS AT THE FOLLOWING LOCATIONS

(A) WATER TREATMENT PLANT

TOTAL 1.29 FREE _____ TIME 8:40

s.19(1)

(B) [REDACTED]

TOTAL 0.23 FREE 0.18 TIME 9:40

(C) BAND OFFICE

TOTAL 0.13 FREE 0.10 TIME 9:50
~~10:00~~

(D) SCHOOL

TOTAL 0.15 FREE 0.09 TIME 10:00

(E) NURSING STATION

TOTAL 0.05 FREE 0.03 TIME 10:41

(F) DEADEND COAST ROAD

TOTAL _____ FREE _____ TIME _____

CHLORINE RESIDUAL READINGS

CHLORINE RESIDUAL READINGS MUST BE TAKEN ONCE A WEEK
ONCE A DAY WHEN THERE IS A CONCERN WITH THE WATER QUALITY

TAKE RESIDUAL READINGS AT THE FOLLOWING LOCATIONS

(A) WATER TREATMENT PLANT

TOTAL 0.89 FREE _____ TIME 8:40

s.19(1)

(B) [REDACTED]

TOTAL 0.50 FREE 0.48 TIME 9:20

(C) BAND OFFICE

TOTAL 0.46 FREE 0.41 TIME 9:35

(D) SCHOOL

TOTAL 0.29 FREE 0.28 TIME 9:50

(E) NURSING STATION

TOTAL 0.33 FREE 0.30 TIME 10:00

(F) DEADEND COAST ROAD

TOTAL _____ FREE _____ TIME _____

Jan 18/07

Radford M. [unclear]

CHLORINE RESIDUAL READINGS

CHLORINE RESIDUAL READINGS MUST BE TAKEN ONCE A WEEK (ONCE A DAY WHEN THERE IS A CONCERN WITH THE WATER QUALITY)

TAKE RESIDUAL READINGS AT THE FOLLOWING LOCATIONS

(A) WATER TREATMENT PLANT

TOTAL 0.42 FREE _____ TIME 10:00 a.m.

(B)

TOTAL _____ FREE _____ TIME _____

(C) BAND OFFICE

TOTAL _____ FREE _____ TIME _____

(D) SCHOOL

TOTAL _____ FREE _____ TIME _____

(E) NURSING STATION

TOTAL _____ FREE _____ TIME _____

(F) DEADEND COAST ROAD

TOTAL _____ FREE _____ TIME _____

003932

Handwritten notes:
1/11/12
chlorine

s.19(1)

CHLORINE RESIDUAL READINGS

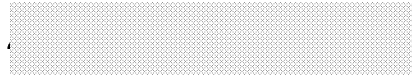
CHLORINE RESIDUAL READINGS MUST BE TAKEN ONCE A WEEK (ONCE A DAY WHEN THERE IS A CONCERN WITH THE WATER QUALITY)

TAKE RESIDUAL READINGS AT THE FOLLOWING LOCATIONS

(A) WATER TREATMENT PLANT

TOTAL 0.01 FREE 0 TIME 8:40

s.19(1) (B)



TOTAL 0.02 FREE 0.01 TIME 9:45

(C) BAND OFFICE

TOTAL 0.03 FREE 0.01 TIME 9:55

(D) SCHOOL

TOTAL 0.05 FREE 0.03 TIME 10:00

(E) NURSING STATION

TOTAL 0.07 FREE 0.05 TIME 10:25

(F) DEADEND COAST ROAD

TOTAL _____ FREE _____ TIME _____

Jan 21/02

21/01/02

CHLORINE RESIDUAL READINGS

Ed, 1/10/2022

CHLORINE RESIDUAL READINGS MUST BE TAKEN ONCE A WEEK
ONCE A DAY WHEN THERE IS A CONCERN WITH THE WATER QUA

TAKE RESIDUAL READINGS AT THE FOLLOWING LOCATIONS

(A) WATER TREATMENT PLANT

TOTAL 1.03 FREE _____ TIME 8:45

(B) _____ s.19(1)

TOTAL 0.75 FREE 0.74 TIME 9:30

(C) BAND OFFICE

TOTAL 0.73 FREE 0.68 TIME 9:38

(D) SCHOOL

TOTAL 0.63 FREE 0.58 TIME 9:45

(E) NURSING STATION

TOTAL 0.55 FREE _____ TIME 9:58

(F) DEADEND COAST ROAD

TOTAL _____ FREE _____ TIME _____ 003934