

STATION	DR-BB	DR-BB	DR-BB	DR-BB	DR-BB	DR-BB	DR-BB
Date	4/22/2005	3/11/2005	2/4/2005	12/16/2004	11/18/2004	10/16/2004	9/29/2004
Time	1:30	2:00	2:00	11:30	11:40	11:30	2:15
Weather	Part cloudy	overcast	clear	overcast	clear	Light rain	Overcast
Tidal Level	non-tidal	non-tidal	non-tidal	non-tidal	non-tidal	non-tidal	non-tidal
Flow Rate (kt)	negligible	1.9	iced over	negligible	1.2	negligible	0.2
Water Color	normal	normal	normal	normal	normal	normal	normal
Max. Water Depth (m)	2.6	NA	NA	NA	NA	NA	NA
Air Temperature (*C)	19.5	8	0		2	11	
Water Temperature (*C)	18	12	0.5	8	5.5	19	20
Transparency Tube (cm)	120	120+	120+	120+	120+	108	80
Secchi Depth (cm)	140	177	NA ice	152	135	NA	NA
**Transparency Depth (cm)	140	177	200	152	135	108	80
D.O. (Lamotte) Trial #1	7.6	7.8	9.8	9	9.8	4	3.3
D.O. (Lamotte) Trial #2	7.8	7.9	9.9	9.6	9.6	3.6	3.4
D.O. Average	7.7	7.85	9.85	9.3	9.7	3.8	3.35
D.O. Saturation (%)	82	75	70	80	78	43	39
pH (Lamotte)	6.3	6.5	6.3	6.5	6.5	5.5	6.5
pH (Hannah Meter)	7.8	7.7	7.8	8.4	7.5	5.4	NA
Salinity (refractometer-ppt)	0	0	0	0	0	0	0
Nitrate (vacu-vials/Spec 20-ppm)	NA	0.07	0.09	NA	0.06	0.09	0.05
Phosphate (vacu-vials/Spec 20-ppm)	NA	0.11	0.03	NA	0.16	0.24	0.25

STATION	DR-602	DR-602	DR-602	DR-602	DR-602	DR-602	DR-602
Date	4/22/2005	3/10/2005	2/3/2005	12/16/2004	11/18/2004	10/16/2004	9/29/2004
Time	2:00	11:05	11:20	12:00	12:10	12:10	2:45
Weather	Part cloudy	mostly sun	part cloudy	overcast	clear	Light rain	Overcast
Tidal Level	non tidal	non-tidal	non-tidal	non-tidal	non-tidal	non-tidal	non-tidal
Flow Rate (kt)	2.4	negligible	1.4	negligible	1.1	0.2	0.2
Water Color	normal	normal	normal	normal	normal	normal	normal
Max. Water Depth (m)	3.6	NA	NA	NA	NA	NA	NA
Air Temperature (*C)	19.5	16	1		2	11	
Water Temperature (*C)	17.5	12.5	2	9	4	18	19
Transparency Tube (cm)	120	120+	120+	120+	120+	75	100
Secchi Depth (cm)	170	175	250	175	210	NA	NA
**Transparency Depth (cm)	170	175	250	175	210	75	100
D.O. (Lamotte) Trial #1	7.9	8.2	10	10	9.4	3.9	3.7
D.O. (Lamotte) Trial #2	7.6	8.2	9.5	10.3	9.2	3.9	4
D.O. Average	7.75	8.2	9.75	10.15	9.3	3.9	3.85
D.O. Saturation (%)	83	79	72	88	72	47	43
pH (Lamotte)	7.3	6.5	7	5.5	6.5	6	6.5
pH (Hannah Meter)	7.7	8.2	8.1	8.3	6.7	5.6	NA
Salinity (refractometer-ppt)	0	0	0	0	0	0	0
Nitrate (vacu-vials/Spec 20-ppm)	NA	0.09	0.08	NA	0.08	0.11	0.09
Phosphate (vacu-vials/Spec 20-ppm)	NA	0.05	0.05	NA	0.19	0.14	0.29

STATION	DR-603	DR-603	DR-603	DR-603	DR-603	DR-603
Date	4/22/2005	3/10/2005	2/3/2005	12/16/2004	11/18/2004	10/16/2004
Time	2:30	11:30	11:45	12:25	12:30	12:30
Weather	Part cloudy	mostly sun	part cloudy	overcast	clear	Rain
Tidal Level	non-tidal	non-tidal	non-tidal	non-tidal	non-tidal	non-tidal
Flow Rate (kt)	1.9	2.8	3.4	moderate	2.3	NA
Water Color	normal	normal	normal	normal	normal	normal
Max. Water Depth (m)	1.8	NA	NA	NA	NA	NA
Air Temperature (*C)	19.5	16	1		2	11
Water Temperature (*C)	18	13.5	2	9.5	5	21
Transparency Tube (cm)	105	120+	120+	94	120+	106
Secchi Depth (cm)	120	190	200+	NA	263	NA
**Transparency Depth (cm)	120	190	200	94	263	106
D.O. (Lamotte) Trial #1	8.5	10	12	8.8	9	5.9
D.O. (Lamotte) Trial #2	8.1	10	11	8.6	9.5	4.9
D.O. Average	8.3	10	11.5	8.7	9.25	5.4
D.O. Saturation (%)	90	97	92	77	74	63
pH (Lamotte)	6.5	6.5	6.5	6.5	6.5	6.5
pH (Hannah Meter)	7.6	8.1	8	8.5	7.4	5.6
Salinity (refractometer-ppt)	0	0	0	0	0	0
Nitrate (vacu-vials/Spec 20-ppm)	NA	0.07	0.08	NA	0.08	0.09
Phosphate (vacu-vials/Spec 20-ppm)	NA	0.08	0.03	NA	0.42	0.17

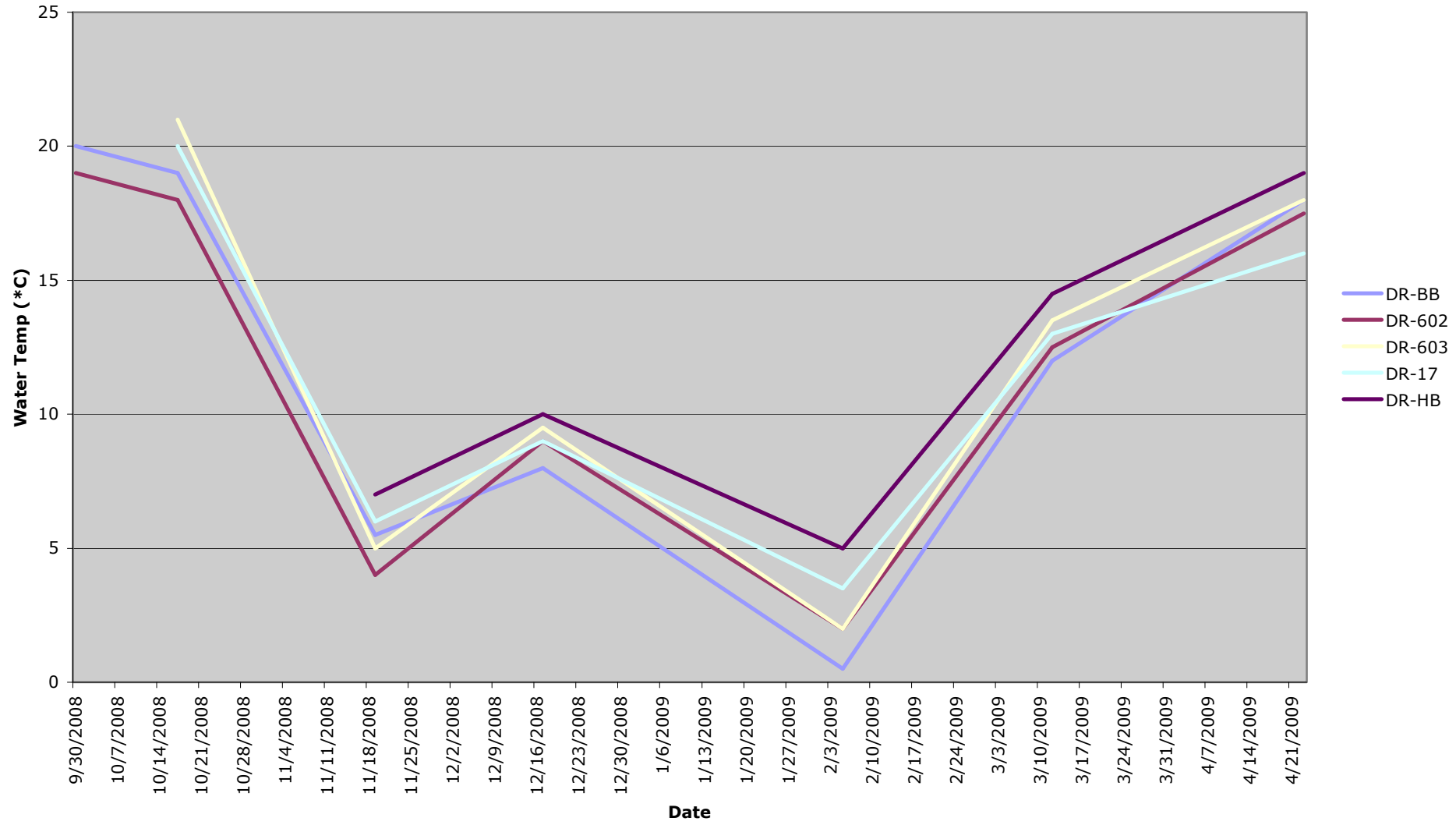
STATION	DR-17	DR-17	DR-17	DR-17	DR-17	DR-17
Date	4/23/2005	3/10/2005	2/3/2005	12/16/2004	11/18/2004	10/16/2004
Time	1:30	10:45	10:45	10:50	10:45	10:45
Weather	sunny	mostly sun	part cloudy	ovewrcast	Clear	Rain
Tidal Level	non-tidal	non-tidal	non-tidal	non-tidal	non-tidal	non-tidal
Flow Rate (kt)	4.2	1.9	1.6	NA	0.9	negligible
Water Color	normal	normal	normal	normal	normal	normal
Max. Water Depth (m)	NA	NA	NA	NA	NA	NA
Air Temperature (*C)	23.5	16	0		1	11
Water Temperature (*C)	16	13	3.5	9	6	20
Transparency Tube (cm)	72	115	120+	97	67	120+
Secchi Depth (cm)	NA	NA	NA	NA	NA	NA
**Transparency Depth (cm)	72	115	200	97	67	120
D.O. (Lamotte) Trial #1	7	7.8	10	9.1	8	9.6
D.O. (Lamotte) Trial #2	7	8.1	10.5	9.4	8	9.6
D.O. Average	7	7.95	10.25	9.25	8	9.6
D.O. Saturation (%)	73	77	77	82	65	107
pH (Lamotte)	6.8	6.5	6.5	6	6.5	6.5
pH (Hannah Meter)	8.1	8.5	8.2	8.4	7.4	5.8
Salinity (refractometer-ppt)	0	0	0	0	0	0
Nitrate (vacu-vials/Spec 20-ppm)	NA	0.07	0.08	NA	0.07	0.09
Phosphate (vacu-vials/Spec 20-ppm)	NA	0.05	0.05	NA	0.34	0.14

STATION	DR-HB	DR-HB	DR-HB	DR-HB	DR-HB
Date	4/23/2005	3/10/2005	2/3/2005	12/16/2004	11/18/2004
Time	1:00	12:15	12:10	1:05	1:00
Weather	sunny	part cloudy	part cloudy	overcast	clear
Tidal Level				high	
Flow Rate (kt)	3.3	3.2	1.1	NA	NA
Water Color	normal	normal	normal	normal	normal
Max. Water Depth (m)	1.8	NA	NA	NA	NA
Air Temperature (*C)	23.5	17	1		2
Water Temperature (*C)	19	14.5	5	10	7
Transparency Tube (cm)	80	55	48	29	20
Secchi Depth (cm)	110	75	70	55	20
**Transparency Depth (cm)	110	75	70	55	20
D.O. (Lamotte) Trial #1	7	9.4	10.6	6.5	8.1
D.O. (Lamotte) Trial #2	7	10	10.8	6.2	10.2
D.O. Average	7	9.7	10.7	6.35	9.15
D.O. Saturation (%)	77	96	84	58	75
pH (Lamotte)	7.8	8	7.3	7	7.3
pH (Hannah Meter)	7.4	8.1	7.2	7.8	7.8
Salinity (refractometer-ppt)	5	11.5	7.5	3	10
Nitrate (vacu-vials/Spec 20-ppm)	NA	0.36	0.14	NA	0.14
Phosphate (vacu-vials/Spec 20-ppm)	NA	0.03	0.03	NA	0.08

### Dragon Run D.O.



Dragon Run Water Temperatures



**Dragon Run DO Saturation %**

