

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/1/2012	1	18.1	18.2	18.2	18.4	18.4	18.4	18.5	18.2
7/1/2012	2	18.1	18.1	18.1	18.4	18.3	18.3	18.5	18.2
7/1/2012	3	18.1	18.1	18.1	18.3	18.3	18.3	18.5	18.1
7/1/2012	4	18.0	18.1	18.1	18.3	18.3	18.2	18.5	18.1
7/1/2012	5	18.0	18.0	18.0	18.2	18.2	18.2	18.6	18.0
7/1/2012	6	18.0	18.0	18.0	18.2	18.2	18.2	18.6	18.0
7/1/2012	7	18.0	17.9	17.9	18.2	18.2	18.1	18.6	18.0
7/1/2012	8	17.9	17.9	18.0	18.2	18.2	18.2	18.7	18.0
7/1/2012	9	17.9	17.9	18.1	18.3	18.2	18.2	18.7	18.2
7/1/2012	10	17.9	18.0	18.2	18.4	18.4	18.4	18.8	18.0
7/1/2012	11	18.0	18.1	18.3	18.6	18.5	18.5	18.4	18.1
7/1/2012	12	18.1	18.2	18.5	18.7	18.7	18.7	18.5	18.2
7/1/2012	13	18.2	18.3	18.5	18.8	18.8	18.8	18.6	18.3
7/1/2012	14	18.3	18.4	18.7	18.9	18.9	18.9	18.6	18.4
7/1/2012	15	18.4	18.5	18.8	19.0	19.0	19.0	18.7	18.5
7/1/2012	16	18.5	18.7	18.8	19.1	19.1	19.1	18.8	18.6
7/1/2012	17	18.6	18.7	18.9	19.1	19.1	19.1	18.9	18.7
7/1/2012	18	18.6	18.7	18.8	19.1	19.0	19.0	19.0	18.8
7/1/2012	19	18.7	18.7	18.8	19.0	19.0	19.0	19.0	18.7
7/1/2012	20	18.6	18.7	18.6	18.9	18.8	18.8	19.0	18.7
7/1/2012	21	18.6	18.5	18.5	18.8	18.7	18.7	18.9	18.6
7/1/2012	22	18.5	18.5	18.5	18.7	18.7	18.6	18.9	18.5
7/1/2012	23	18.4	18.4	18.3	18.6	18.6	18.5	18.8	18.4
7/1/2012	24	18.4	18.3	18.2	18.5	18.4	18.4	18.7	18.4
7/2/2012	1	18.3	18.2	18.2	18.4	18.4	18.3	18.7	18.3
7/2/2012	2	18.2	18.2	18.1	18.3	18.3	18.3	18.6	18.2
7/2/2012	3	18.2	18.1	18.1	18.3	18.2	18.2	18.5	18.2
7/2/2012	4	18.1	18.1	18.0	18.2	18.2	18.2	18.5	18.1
7/2/2012	5	18.1	18.0	18.0	18.2	18.2	18.1	18.5	18.1
7/2/2012	6	18.1	18.0	17.9	18.1	18.1	18.1	18.5	18.1
7/2/2012	7	18.0	18.0	17.9	18.1	18.1	18.1	18.5	18.0
7/2/2012	8	18.0	18.0	18.0	18.2	18.2	18.1	18.5	18.0
7/2/2012	9	18.0	18.0	18.1	18.3	18.2	18.2	18.4	18.1
7/2/2012	10	18.0	18.1	18.2	18.4	18.3	18.3	18.4	18.1
7/2/2012	11	18.0	18.1	18.3	18.5	18.5	18.4	18.4	18.1
7/2/2012	12	18.1	18.2	18.5	18.7	18.6	18.6	18.5	18.2
7/2/2012	13	18.2	18.3	18.5	18.7	18.7	18.7	18.5	18.3
7/2/2012	14	18.3	18.3	18.4	18.7	18.6	18.6	18.6	18.4
7/2/2012	15	18.3	18.4	18.6	18.8	18.8	18.8	18.7	18.5
7/2/2012	16	18.4	18.5	18.7	18.9	18.9	18.9	18.7	18.5
7/2/2012	17	18.5	18.6	18.6	18.8	18.8	18.8	18.8	18.6
7/2/2012	18	18.5	18.6	18.6	18.8	18.8	18.8	18.9	18.6
7/2/2012	19	18.5	18.6	18.6	18.8	18.7	18.7	18.9	18.6
7/2/2012	20	18.5	18.5	18.5	18.7	18.7	18.7	18.9	18.6
7/2/2012	21	18.5	18.5	18.5	18.7	18.7	18.7	18.9	18.5
7/2/2012	22	18.4	18.4	18.4	18.7	18.7	18.6	18.9	18.5

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/2/2012	23	18.4	18.3	18.4	18.6	18.6	18.6	18.9	18.4
7/2/2012	24	18.3	18.3	18.3	18.5	18.5	18.5	19.0	18.3
7/3/2012	1	18.3	18.2	18.2	18.4	18.4	18.4	19.0	18.3
7/3/2012	2	18.2	18.2	18.2	18.4	18.3	18.3	18.9	18.3
7/3/2012	3	18.2	18.2	18.1	18.4	18.3	18.3	18.9	18.2
7/3/2012	4	18.1	18.1	18.1	18.3	18.3	18.2	18.8	18.2
7/3/2012	5	18.1	18.1	18.0	18.2	18.2	18.2	18.8	18.2
7/3/2012	6	18.1	18.0	17.9	18.1	18.1	18.1	18.8	18.2
7/3/2012	7	18.0	17.9	17.9	18.1	18.1	18.0	18.7	18.1
7/3/2012	8	18.0	17.9	17.9	18.1	18.1	18.0	18.6	18.0
7/3/2012	9	17.9	17.9	18.0	18.2	18.1	18.1	18.4	18.0
7/3/2012	10	18.0	17.9	18.0	18.2	18.2	18.2	18.3	18.0
7/3/2012	11	18.0	17.9	18.1	18.2	18.2	18.2	18.3	18.0
7/3/2012	12	17.9	17.9	18.1	18.3	18.3	18.2	18.3	18.0
7/3/2012	13	18.0	17.9	18.1	18.3	18.3	18.3	18.4	17.9
7/3/2012	14	18.0	18.0	18.1	18.3	18.3	18.3	18.4	18.0
7/3/2012	15	18.0	18.0	18.2	18.4	18.4	18.4	18.4	18.0
7/3/2012	16	18.1	18.0	18.2	18.4	18.4	18.4	18.4	18.1
7/3/2012	17	18.1	18.1	18.2	18.3	18.3	18.3	18.4	18.1
7/3/2012	18	18.1	18.1	18.1	18.3	18.3	18.3	18.4	18.1
7/3/2012	19	18.1	18.1	18.1	18.2	18.2	18.2	18.4	18.1
7/3/2012	20	18.0	18.0	18.0	18.2	18.1	18.1	18.4	18.1
7/3/2012	21	18.0	17.9	17.9	18.1	18.1	18.0	18.3	18.0
7/3/2012	22	18.0	17.9	17.8	18.0	18.0	17.9	18.3	18.0
7/3/2012	23	17.9	17.8	17.8	18.0	18.0	17.9	18.3	17.9
7/3/2012	24	17.9	17.8	17.7	18.0	17.9	17.9	18.3	17.9
7/4/2012	1	17.8	17.8	17.7	17.9	17.9	17.8	18.2	17.8
7/4/2012	2	17.8	17.7	17.7	17.9	17.8	17.8	18.2	17.8
7/4/2012	3	17.8	17.7	17.7	17.9	17.8	17.8	18.2	17.8
7/4/2012	4	17.7	17.6	17.6	17.8	17.8	17.7	18.2	17.7
7/4/2012	5	17.7	17.6	17.5	17.7	17.7	17.7	18.1	17.7
7/4/2012	6	17.6	17.6	17.5	17.7	17.6	17.6	18.1	17.6
7/4/2012	7	17.6	17.6	17.5	17.7	17.7	17.6	18.1	17.6
7/4/2012	8	17.6	17.6	17.6	17.7	17.7	17.7	18.1	17.6
7/4/2012	9	17.6	17.7	17.7	17.9	17.8	17.8	18.0	17.7
7/4/2012	10	17.7	17.7	17.9	18.1	18.0	18.0	18.1	17.8
7/4/2012	11	17.8	17.8	18.0	18.2	18.2	18.1	18.1	17.8
7/4/2012	12	17.8	17.8	18.0	18.2	18.2	18.2	18.2	17.8
7/4/2012	13	17.8	17.9	18.2	18.4	18.4	18.4	18.3	17.9
7/4/2012	14	17.9	18.0	18.2	18.5	18.4	18.4	18.3	18.0
7/4/2012	15	18.0	18.1	18.3	18.5	18.5	18.5	18.4	18.1
7/4/2012	16	18.1	18.1	18.3	18.5	18.5	18.5	18.5	18.2
7/4/2012	17	18.1	18.2	18.3	18.5	18.5	18.5	18.5	18.2
7/4/2012	18	18.2	18.2	18.2	18.5	18.4	18.4	18.5	18.2
7/4/2012	19	18.2	18.2	18.2	18.4	18.4	18.4	18.5	18.2
7/4/2012	20	18.1	18.1	18.2	18.4	18.3	18.3	18.4	18.2

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/4/2012	21	18.1	18.1	18.1	18.3	18.3	18.3	18.4	18.1
7/4/2012	22	18.0	18.0	18.0	18.2	18.2	18.2	18.3	18.0
7/4/2012	23	18.0	17.9	17.9	18.1	18.1	18.1	18.3	17.9
7/4/2012	24	17.9	17.8	17.8	18.1	18.0	18.0	18.2	17.8
7/5/2012	1	17.8	17.7	17.7	18.0	17.9	17.9	18.2	17.8
7/5/2012	2	17.7	17.7	17.7	17.9	17.8	17.8	18.1	17.7
7/5/2012	3	17.6	17.6	17.6	17.8	17.7	17.7	18.0	17.6
7/5/2012	4	17.6	17.5	17.5	17.7	17.7	17.6	17.9	17.5
7/5/2012	5	17.5	17.3	17.4	17.6	17.6	17.5	17.8	17.4
7/5/2012	6	17.4	17.2	17.3	17.5	17.5	17.4	17.7	17.3
7/5/2012	7	17.2	17.1	17.2	17.4	17.4	17.3	17.6	17.2
7/5/2012	8	17.1	17.0	17.1	17.3	17.3	17.3	17.5	17.1
7/5/2012	9	17.1	16.9	17.1	17.3	17.3	17.3	17.4	17.0
7/5/2012	10	17.0	16.9	17.1	17.3	17.3	17.3	17.4	16.9
7/5/2012	11	17.0	16.9	17.2	17.4	17.4	17.4	17.5	16.9
7/5/2012	12	17.0	17.0	17.3	17.5	17.5	17.5	17.6	17.0
7/5/2012	13	17.0	17.2	17.4	17.7	17.6	17.7	17.7	17.2
7/5/2012	14	17.2	17.3	17.5	17.8	17.7	17.8	17.7	17.3
7/5/2012	15	17.4	17.5	17.7	17.9	17.9	17.9	17.8	17.5
7/5/2012	16	17.5	17.5	17.7	17.9	17.9	17.9	17.8	17.5
7/5/2012	17	17.5	17.5	17.6	17.9	17.9	17.9	17.8	17.5
7/5/2012	18	17.5	17.5	17.6	17.8	17.8	17.8	17.8	17.6
7/5/2012	19	17.6	17.5	17.6	17.8	17.8	17.8	17.8	17.6
7/5/2012	20	17.6	17.6	17.6	17.8	17.8	17.8	17.8	17.6
7/5/2012	21	17.6	17.5	17.6	17.8	17.7	17.7	17.8	17.6
7/5/2012	22	17.5	17.4	17.5	17.7	17.7	17.7	17.8	17.5
7/5/2012	23	17.4	17.4	17.5	17.7	17.7	17.6	17.8	17.5
7/5/2012	24	17.4	17.4	17.4	17.7	17.6	17.6	17.8	17.5
7/6/2012	1	17.5	17.5	17.5	17.7	17.6	17.6	17.7	17.5
7/6/2012	2	17.5	17.4	17.5	17.7	17.7	17.6	17.7	17.5
7/6/2012	3	17.4	17.4	17.4	17.7	17.6	17.6	17.6	17.4
7/6/2012	4	17.3	17.3	17.3	17.6	17.5	17.5	17.6	17.3
7/6/2012	5	17.2	17.2	17.2	17.5	17.4	17.4	17.5	17.2
7/6/2012	6	17.1	17.1	17.1	17.3	17.3	17.3	17.5	17.1
7/6/2012	7	17.0	17.0	17.1	17.3	17.2	17.2	17.5	17.1
7/6/2012	8	17.0	16.9	17.1	17.3	17.2	17.2	17.4	17.0
7/6/2012	9	16.9	16.8	17.1	17.3	17.2	17.2	17.4	16.9
7/6/2012	10	16.9	16.8	17.0	17.3	17.2	17.2	17.5	16.8
7/6/2012	11	16.8	16.9	17.1	17.3	17.3	17.3	17.5	16.9
7/6/2012	12	16.9	17.0	17.2	17.5	17.4	17.5	17.5	17.0
7/6/2012	13	17.1	17.2	17.4	17.7	17.6	17.7	17.5	17.2
7/6/2012	14	17.3	17.4	17.6	17.8	17.8	17.8	17.7	17.4
7/6/2012	15	17.4	17.5	17.7	18.0	17.9	18.0	17.9	17.5
7/6/2012	16	17.6	17.7	17.9	18.1	18.1	18.1	18.0	17.7
7/6/2012	17	17.8	18.0	18.1	18.3	18.3	18.3	18.2	18.0
7/6/2012	18	18.0	18.2	18.2	18.4	18.4	18.4	18.4	18.2

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/6/2012	19	18.2	18.3	18.3	18.5	18.5	18.5	18.5	18.3
7/6/2012	20	18.3	18.4	18.3	18.5	18.5	18.5	18.7	18.4
7/6/2012	21	18.4	18.5	18.4	18.6	18.6	18.6	18.8	18.5
7/6/2012	22	18.4	18.5	18.5	18.7	18.7	18.6	18.8	18.5
7/6/2012	23	18.4	18.5	18.5	18.7	18.7	18.7	18.8	18.5
7/6/2012	24	18.4	18.5	18.5	18.7	18.7	18.7	18.8	18.5
7/7/2012	1	18.4	18.4	18.4	18.7	18.7	18.6	18.7	18.4
7/7/2012	2	18.3	18.3	18.3	18.6	18.5	18.5	18.7	18.3
7/7/2012	3	18.2	18.2	18.2	18.5	18.4	18.4	18.7	18.2
7/7/2012	4	18.2	18.2	18.2	18.4	18.3	18.3	18.7	18.3
7/7/2012	5	18.2	18.2	18.1	18.3	18.3	18.3	18.7	18.2
7/7/2012	6	18.2	18.2	18.1	18.3	18.3	18.2	18.7	18.2
7/7/2012	7	18.1	18.1	18.1	18.3	18.3	18.3	18.8	18.2
7/7/2012	8	18.2	18.2	18.2	18.4	18.4	18.3	18.9	18.3
7/7/2012	9	18.3	18.4	18.4	18.6	18.6	18.6	19.0	18.5
7/7/2012	10	18.5	18.6	18.7	18.9	18.9	18.9	19.1	18.7
7/7/2012	11	18.7	18.8	18.9	19.1	19.1	19.1	19.2	18.8
7/7/2012	12	18.9	19.0	18.9	19.3	19.3	19.3	19.3	19.0
7/7/2012	13	19.1	19.1	18.7	19.5	19.5	19.5	19.4	19.2
7/7/2012	14	19.2	19.3	19.0	19.7	19.7	19.7	19.6	19.3
7/7/2012	15	19.4	19.5	19.7	19.9	19.9	19.9	19.7	19.5
7/7/2012	16	19.5	19.6	19.8	20.0	20.0	20.0	19.9	19.6
7/7/2012	17	19.6	19.7	19.8	20.1	20.1	20.1	20.0	19.7
7/7/2012	18	19.7	19.8	19.8	20.1	20.1	20.1	20.2	19.9
7/7/2012	19	19.8	19.8	19.8	20.1	20.1	20.1	20.2	19.8
7/7/2012	20	19.8	19.7	19.7	20.0	20.0	20.0	20.1	19.8
7/7/2012	21	19.7	19.6	19.6	19.9	19.8	19.8	20.0	19.7
7/7/2012	22	19.6	19.5	19.5	19.8	19.7	19.7	19.9	19.5
7/7/2012	23	19.4	19.2	19.3	19.6	19.6	19.6	19.7	19.3
7/7/2012	24	19.3	19.0	19.1	19.4	19.3	19.3	19.6	19.1
7/8/2012	1	19.2	18.8	18.8	19.1	19.1	19.1	19.5	19.0
7/8/2012	2	19.2	18.8	18.7	18.9	18.9	18.9	19.4	18.8
7/8/2012	3	19.2	18.9	18.8	19.0	18.9	18.9	19.3	18.8
7/8/2012	4	19.3	19.1	18.9	19.1	19.0	19.0	19.4	18.9
7/8/2012	5	19.4	19.2	19.0	19.2	19.1	19.1	19.5	19.1
7/8/2012	6	19.4	19.2	19.0	19.2	19.2	19.2	19.6	19.2
7/8/2012	7	19.4	19.2	19.1	19.3	19.3	19.2	19.7	19.3
7/8/2012	8	19.5	19.3	19.2	19.4	19.4	19.3	19.8	19.4
7/8/2012	9	19.5	19.4	19.4	19.6	19.6	19.5	19.9	19.5
7/8/2012	10	19.6	19.6	19.7	19.8	19.8	19.8	20.0	19.7
7/8/2012	11	19.7	19.7	19.9	20.1	20.1	20.1	20.1	19.8
7/8/2012	12	19.8	19.9	20.1	20.3	20.3	20.3	20.2	19.9
7/8/2012	13	20.0	20.2	20.4	20.6	20.6	20.6	20.4	20.2
7/8/2012	14	20.2	20.3	20.6	20.8	20.8	20.8	20.5	20.4
7/8/2012	15	20.4	20.5	20.7	21.0	21.0	21.0	20.6	20.5
7/8/2012	16	20.5	20.6	20.8	21.1	21.1	21.1	20.8	20.7

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/8/2012	17	20.6	20.7	20.9	21.1	21.1	21.2	20.9	20.7
7/8/2012	18	20.7	20.7	20.8	21.1	21.1	21.1	21.0	20.7
7/8/2012	19	20.6	20.6	20.6	21.0	21.0	21.0	21.1	20.6
7/8/2012	20	20.6	20.6	20.5	20.8	20.8	20.8	21.0	20.4
7/8/2012	21	20.3	20.4	20.4	20.7	20.7	20.7	20.8	20.3
7/8/2012	22	20.1	20.2	20.4	20.6	20.6	20.6	20.7	20.1
7/8/2012	23	19.9	20.1	20.2	20.6	20.5	20.5	20.6	20.0
7/8/2012	24	19.8	20.0	20.2	20.5	20.4	20.4	20.5	19.8
7/9/2012	1	19.7	20.0	20.1	20.4	20.4	20.4	20.4	19.9
7/9/2012	2	19.5	19.8	20.0	20.3	20.3	20.2	20.4	19.9
7/9/2012	3	19.4	19.9	20.1	20.3	20.3	20.2	20.5	19.9
7/9/2012	4	19.7	20.0	20.0	20.3	20.3	20.2	20.6	19.9
7/9/2012	5	19.9	20.3	20.0	20.2	20.2	20.1	20.7	19.9
7/9/2012	6	20.3	20.4	20.2	20.4	20.4	20.3	20.6	20.3
7/9/2012	7	20.3	20.4	20.2	20.4	20.4	20.4	20.7	20.3
7/9/2012	8	20.4	20.4	20.3	20.5	20.5	20.4	20.8	20.4
7/9/2012	9	20.4	20.4	20.4	20.7	20.6	20.6	20.8	20.4
7/9/2012	10	20.4	20.5	20.6	20.8	20.8	20.8	20.9	20.5
7/9/2012	11	20.4	20.6	20.9	21.1	21.1	21.1	21.0	20.6
7/9/2012	12	20.5	20.7	20.9	21.3	21.2	21.3	21.1	20.7
7/9/2012	13	20.6	20.7	21.2	21.4	21.4	21.4	21.1	20.7
7/9/2012	14	20.7	20.8	21.2	21.5	21.5	21.6	21.2	20.8
7/9/2012	15	20.8	21.0	21.2	21.5	21.5	21.6	21.2	20.9
7/9/2012	16	21.0	21.2	21.4	21.7	21.7	21.7	21.2	21.0
7/9/2012	17	21.1	21.2	21.3	21.7	21.7	21.7	21.2	21.1
7/9/2012	18	21.2	21.2	21.3	21.7	21.7	21.7	21.2	21.1
7/9/2012	19	21.0	21.1	21.2	21.6	21.6	21.6	21.2	21.0
7/9/2012	20	20.9	20.9	21.1	21.5	21.4	21.4	21.3	20.9
7/9/2012	21	20.6	20.7	20.8	21.2	21.2	21.2	21.2	20.6
7/9/2012	22	20.3	20.5	20.7	21.1	21.0	21.0	21.1	20.3
7/9/2012	23	20.1	20.3	20.5	20.9	20.9	20.9	20.9	20.1
7/9/2012	24	19.9	20.2	20.5	20.8	20.8	20.7	20.8	20.1
7/10/2012	1	19.6	19.9	20.4	20.7	20.6	20.6	20.7	20.1
7/10/2012	2	19.3	19.8	20.1	20.5	20.5	20.5	20.6	20.1
7/10/2012	3	19.2	19.8	20.0	20.4	20.3	20.3	20.6	20.1
7/10/2012	4	19.3	19.9	20.0	20.2	20.2	20.2	20.6	20.1
7/10/2012	5	19.4	20.1	20.2	20.4	20.4	20.3	20.6	20.1
7/10/2012	6	20.4	20.7	20.3	20.5	20.5	20.4	20.7	20.6
7/10/2012	7	20.6	20.6	20.5	20.7	20.7	20.6	21.0	20.6
7/10/2012	8	20.5	20.7	20.6	20.8	20.7	20.7	21.2	20.6
7/10/2012	9	20.7	20.8	20.7	21.0	20.9	20.9	21.4	20.7
7/10/2012	10	20.8	20.9	20.9	21.2	21.2	21.2	21.5	20.9
7/10/2012	11	20.9	21.1	21.2	21.5	21.5	21.5	21.6	21.1
7/10/2012	12	21.0	21.2	21.5	21.8	21.7	21.7	21.8	21.2
7/10/2012	13	21.1	21.3	21.7	22.0	22.0	22.0	21.9	21.3
7/10/2012	14	21.3	21.6	21.9	22.2	22.2	22.2	22.1	21.5

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/10/2012	15	21.5	21.7	22.0	22.4	22.3	22.4	22.2	21.6
7/10/2012	16	21.6	21.7	22.1	22.4	22.4	22.5	22.2	21.7
7/10/2012	17	21.7	21.8	22.0	22.4	22.4	22.4	22.1	21.7
7/10/2012	18	21.5	21.6	21.8	22.3	22.2	22.3	22.0	21.6
7/10/2012	19	21.2	21.4	21.6	22.0	22.0	22.0	22.0	21.4
7/10/2012	20	20.9	21.1	21.4	21.9	21.8	21.8	21.9	21.2
7/10/2012	21	20.6	20.9	21.1	21.6	21.6	21.6	21.9	21.2
7/10/2012	22	20.4	20.7	21.0	21.4	21.3	21.3	21.9	21.1
7/10/2012	23	20.3	20.7	20.8	21.2	21.2	21.1	21.9	21.1
7/10/2012	24	20.3	20.8	20.8	21.0	20.9	20.9	21.9	21.2
7/11/2012	1	20.5	20.9	20.7	20.9	20.9	20.9	21.9	21.2
7/11/2012	2	20.9	21.2	20.7	21.0	20.9	20.9	21.9	21.3
7/11/2012	3	21.2	21.3	20.8	21.1	21.0	20.9	21.9	21.3
7/11/2012	4	21.3	21.3	20.8	21.1	21.0	21.0	21.8	21.3
7/11/2012	5	21.2	21.2	20.8	21.1	21.0	20.9	21.8	21.3
7/11/2012	6	21.2	21.2	20.8	21.0	21.0	20.9	21.8	21.2
7/11/2012	7	21.1	21.2	20.8	21.0	21.0	21.0	21.8	21.2
7/11/2012	8	21.1	21.1	21.0	21.1	21.1	21.0	21.7	21.1
7/11/2012	9	21.1	21.1	21.1	21.3	21.2	21.2	21.7	21.1
7/11/2012	10	21.0	21.1	21.3	21.5	21.5	21.4	21.7	21.1
7/11/2012	11	21.0	21.1	21.5	21.7	21.7	21.7	21.7	21.1
7/11/2012	12	21.0	21.2	21.6	21.9	21.8	21.9	21.7	21.2
7/11/2012	13	21.1	21.3	21.7	22.0	22.0	22.1	21.8	21.2
7/11/2012	14	21.2	21.4	21.9	22.2	22.2	22.2	21.8	21.3
7/11/2012	15	21.3	21.4	21.9	22.3	22.2	22.3	21.8	21.3
7/11/2012	16	21.3	21.5	21.9	22.3	22.3	22.3	21.9	21.3
7/11/2012	17	21.3	21.4	21.9	22.2	22.2	22.3	21.9	21.4
7/11/2012	18	21.0	21.2	21.7	22.1	22.1	22.1	22.0	21.3
7/11/2012	19	20.7	20.9	21.6	21.8	21.8	21.8	21.8	21.0
7/11/2012	20	20.3	20.7	21.2	21.7	21.7	21.7	21.6	20.7
7/11/2012	21	20.0	20.1	20.9	21.3	21.3	21.3	21.4	20.7
7/11/2012	22	19.6	19.8	20.6	21.0	21.0	21.1	21.3	20.3
7/11/2012	23	19.6	19.9	20.6	21.0	21.0	20.9	21.1	20.3
7/11/2012	24	19.4	20.2	20.4	20.6	20.6	20.6	21.0	20.4
7/12/2012	1	19.6	20.0	20.6	20.8	20.7	20.7	21.1	20.5
7/12/2012	2	19.4	19.9	20.4	20.7	20.7	20.7	21.1	20.5
7/12/2012	3	19.2	20.1	20.5	20.7	20.7	20.7	21.2	20.3
7/12/2012	4	19.8	20.4	20.5	20.8	20.8	20.7	21.2	20.8
7/12/2012	5	20.1	20.6	20.5	20.8	20.7	20.7	21.3	20.8
7/12/2012	6	20.4	20.7	20.6	20.8	20.7	20.7	21.3	20.8
7/12/2012	7	20.4	20.7	20.7	20.9	20.8	20.8	21.3	20.9
7/12/2012	8	20.3	20.7	20.9	21.0	20.9	20.9	21.3	20.8
7/12/2012	9	20.2	20.5	21.0	21.2	21.2	21.2	21.2	20.8
7/12/2012	10	19.8	20.2	21.2	21.4	21.3	21.3	21.2	20.8
7/12/2012	11	19.5	20.2	21.4	21.5	21.5	21.5	21.3	20.5
7/12/2012	12	19.5	20.2	21.5	21.8	21.7	21.8	21.3	20.6

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/12/2012	13	19.5	20.4	21.7	22.0	22.0	22.0	21.4	20.8
7/12/2012	14	19.6	20.6	21.8	22.1	22.1	22.2	21.4	20.9
7/12/2012	15	19.5	20.2	21.7	22.1	22.1	22.2	21.4	21.0
7/12/2012	16	19.5	20.3	21.6	21.9	21.9	22.0	21.3	20.7
7/12/2012	17	19.2	19.7	21.5	21.9	21.8	21.8	21.2	20.7
7/12/2012	18	19.2	20.4	21.2	21.5	21.5	21.6	21.3	20.5
7/12/2012	19	18.9	19.6	20.9	21.4	21.3	21.3	21.3	20.3
7/12/2012	20	18.6	19.3	20.9	21.4	21.4	21.3	21.0	20.2
7/12/2012	21	18.5	19.3	20.7	21.0	20.9	20.9	20.9	20.7
7/12/2012	22	18.4	19.1	20.5	20.8	20.7	20.8	20.9	19.9
7/12/2012	23	18.3	19.2	20.4	20.7	20.7	20.7	20.6	20.0
7/12/2012	24	18.3	19.5	20.3	20.5	20.4	20.4	20.5	20.0
7/13/2012	1	18.3	19.8	20.5	20.6	20.5	20.4	20.5	19.9
7/13/2012	2	18.7	19.5	20.5	20.8	20.8	20.8	20.7	20.4
7/13/2012	3	18.3	19.3	20.6	20.9	20.9	20.8	21.0	20.6
7/13/2012	4	18.2	19.6	20.5	20.9	20.8	20.9	21.2	20.5
7/13/2012	5	18.7	20.2	20.6	20.7	20.7	20.7	21.2	21.1
7/13/2012	6	19.0	20.0	21.0	21.1	21.0	20.9	21.5	21.0
7/13/2012	7	18.9	20.4	21.1	21.2	21.2	21.2	21.5	20.7
7/13/2012	8	20.0	21.0	21.3	21.5	21.5	21.4	21.5	21.3
7/13/2012	9	20.4	21.3	21.5	21.5	21.5	21.5	21.7	21.2
7/13/2012	10	21.0	21.4	21.7	21.9	21.9	21.9	21.9	21.5
7/13/2012	11	21.0	21.5	21.9	22.1	22.1	22.1	22.0	21.6
7/13/2012	12	21.2	21.7	22.1	22.3	22.3	22.3	22.2	21.6
7/13/2012	13	21.8	22.0	22.3	22.5	22.5	22.5	22.3	21.8
7/13/2012	14	22.1	22.0	22.3	22.6	22.6	22.6	22.4	22.2
7/13/2012	15	22.2	22.1	22.3	22.6	22.6	22.6	22.6	22.2
7/13/2012	16	22.2	22.0	22.2	22.5	22.5	22.5	22.7	22.2
7/13/2012	17	22.2	22.0	22.1	22.4	22.4	22.4	22.7	22.2
7/13/2012	18	22.2	22.0	22.1	22.3	22.3	22.3	22.7	22.3
7/13/2012	19	22.3	22.0	22.0	22.2	22.2	22.2	22.7	22.2
7/13/2012	20	22.3	22.1	22.0	22.2	22.2	22.2	22.7	22.3
7/13/2012	21	22.2	22.1	22.0	22.2	22.2	22.2	22.7	22.3
7/13/2012	22	22.2	22.1	22.0	22.2	22.2	22.2	22.7	22.2
7/13/2012	23	22.1	22.1	22.0	22.3	22.2	22.2	22.7	22.2
7/13/2012	24	22.1	22.1	22.0	22.3	22.2	22.2	22.7	22.2
7/14/2012	1	22.1	22.1	22.0	22.2	22.2	22.2	22.6	22.1
7/14/2012	2	22.0	22.1	22.0	22.3	22.2	22.2	22.5	22.2
7/14/2012	3	22.0	22.1	22.0	22.3	22.2	22.2	22.4	22.2
7/14/2012	4	22.0	21.9	21.9	22.2	22.2	22.2	22.3	22.0
7/14/2012	5	21.8	21.7	21.8	22.1	22.0	22.0	22.2	21.8
7/14/2012	6	21.6	21.5	21.6	21.8	21.8	21.8	22.0	21.6
7/14/2012	7	21.5	21.5	21.4	21.7	21.7	21.7	21.9	21.5
7/14/2012	8	21.4	21.4	21.4	21.7	21.7	21.6	21.8	21.4
7/14/2012	9	21.3	21.3	21.3	21.7	21.7	21.6	21.8	21.3
7/14/2012	10	21.2	21.2	21.2	21.6	21.6	21.6	21.8	21.3

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/14/2012	11	21.2	21.2	21.2	21.7	21.7	21.7	21.9	21.3
7/14/2012	12	21.2	21.2	21.4	21.8	21.8	21.8	21.9	21.2
7/14/2012	13	21.2	21.3	21.3	21.8	21.7	21.8	21.9	21.3
7/14/2012	14	21.2	21.3	21.4	21.7	21.7	21.7	22.0	21.3
7/14/2012	15	21.3	21.3	21.6	21.8	21.8	21.8	22.0	21.4
7/14/2012	16	21.4	21.3	21.5	21.8	21.8	21.8	22.0	21.5
7/14/2012	17	21.4	21.4	21.4	21.6	21.6	21.5	22.0	21.4
7/14/2012	18	21.4	21.5	21.4	21.6	21.6	21.6	22.0	21.5
7/14/2012	19	21.5	21.6	21.4	21.7	21.7	21.6	22.0	21.7
7/14/2012	20	21.6	21.6	21.6	21.9	21.8	21.8	22.0	21.7
7/14/2012	21	21.5	21.5	21.5	21.8	21.8	21.8	22.0	21.6
7/14/2012	22	21.5	21.5	21.5	21.7	21.7	21.7	22.0	21.5
7/14/2012	23	21.4	21.4	21.4	21.7	21.7	21.6	22.0	21.5
7/14/2012	24	21.3	21.4	21.4	21.7	21.6	21.6	22.0	21.4
7/15/2012	1	21.3	21.4	21.3	21.6	21.6	21.6	21.9	21.4
7/15/2012	2	21.3	21.3	21.3	21.6	21.6	21.5	21.8	21.3
7/15/2012	3	21.2	21.2	21.3	21.5	21.5	21.5	21.7	21.3
7/15/2012	4	21.2	21.2	21.2	21.5	21.4	21.4	21.6	21.2
7/15/2012	5	21.1	21.2	21.2	21.4	21.3	21.3	21.6	21.2
7/15/2012	6	21.1	21.1	21.1	21.3	21.3	21.3	21.6	21.2
7/15/2012	7	21.1	21.1	21.1	21.3	21.3	21.3	21.6	21.2
7/15/2012	8	21.1	21.1	21.1	21.3	21.3	21.3	21.5	21.1
7/15/2012	9	21.0	21.1	21.2	21.4	21.4	21.4	21.5	21.1
7/15/2012	10	21.1	21.2	21.3	21.5	21.5	21.5	21.5	21.2
7/15/2012	11	21.1	21.2	21.4	21.7	21.6	21.6	21.5	21.2
7/15/2012	12	21.2	21.3	21.5	21.8	21.7	21.8	21.5	21.3
7/15/2012	13	21.3	21.4	21.7	21.9	21.9	21.9	21.5	21.4
7/15/2012	14	21.4	21.5	21.7	21.9	21.9	21.9	21.5	21.5
7/15/2012	15	21.4	21.5	21.5	21.8	21.7	21.8	21.6	21.6
7/15/2012	16	21.4	21.4	21.5	21.7	21.7	21.7	21.6	21.5
7/15/2012	17	21.4	21.3	21.4	21.6	21.6	21.6	21.6	21.4
7/15/2012	18	21.2	21.1	21.2	21.5	21.4	21.4	21.5	21.2
7/15/2012	19	21.0	21.0	21.1	21.3	21.3	21.3	21.4	21.1
7/15/2012	20	20.9	20.9	21.0	21.2	21.2	21.2	21.3	20.9
7/15/2012	21	20.8	20.6	20.7	21.0	21.0	21.0	21.1	20.7
7/15/2012	22	20.5	20.3	20.4	20.7	20.6	20.7	21.0	20.3
7/15/2012	23	20.3	20.2	20.3	20.5	20.5	20.5	20.8	20.3
7/15/2012	24	20.2	20.2	20.2	20.4	20.4	20.4	20.7	20.2
7/16/2012	1	20.2	20.2	20.2	20.4	20.4	20.3	20.6	20.3
7/16/2012	2	20.3	20.3	20.3	20.5	20.4	20.4	20.6	20.4
7/16/2012	3	20.3	20.4	20.4	20.6	20.5	20.5	20.6	20.4
7/16/2012	4	20.3	20.5	20.5	20.6	20.6	20.6	20.6	20.5
7/16/2012	5	20.4	20.5	20.5	20.7	20.7	20.6	20.7	20.5
7/16/2012	6	20.4	20.5	20.5	20.7	20.7	20.7	20.7	20.5
7/16/2012	7	20.4	20.5	20.5	20.7	20.7	20.7	20.7	20.5
7/16/2012	8	20.4	20.4	20.5	20.7	20.6	20.6	20.7	20.5



## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/16/2012	9	20.4	20.4	20.5	20.7	20.7	20.7	20.8	20.5
7/16/2012	10	20.4	20.5	20.7	20.8	20.8	20.8	20.8	20.5
7/16/2012	11	20.5	20.6	20.7	21.0	20.9	20.9	20.9	20.6
7/16/2012	12	20.6	20.7	20.9	21.1	21.1	21.1	21.0	20.7
7/16/2012	13	20.7	20.8	21.0	21.2	21.2	21.2	21.1	20.8
7/16/2012	14	20.8	20.9	21.1	21.4	21.3	21.3	21.2	20.9
7/16/2012	15	20.9	21.1	21.2	21.5	21.4	21.5	21.3	21.1
7/16/2012	16	21.0	21.2	21.3	21.6	21.5	21.6	21.4	21.2
7/16/2012	17	21.1	21.3	21.4	21.6	21.6	21.6	21.5	21.3
7/16/2012	18	21.2	21.3	21.4	21.7	21.7	21.7	21.6	21.4
7/16/2012	19	21.3	21.4	21.4	21.7	21.7	21.6	21.6	21.4
7/16/2012	20	21.3	21.3	21.4	21.7	21.6	21.6	21.6	21.4
7/16/2012	21	21.3	21.3	21.3	21.6	21.6	21.6	21.6	21.3
7/16/2012	22	21.2	21.2	21.3	21.5	21.5	21.5	21.5	21.3
7/16/2012	23	21.2	21.2	21.2	21.5	21.5	21.4	21.4	21.2
7/16/2012	24	21.1	21.0	21.1	21.4	21.4	21.3	21.2	21.1
7/17/2012	1	21.0	20.7	20.9	21.2	21.1	21.1	21.1	20.8
7/17/2012	2	20.7	20.4	20.6	20.8	20.8	20.8	21.0	20.5
7/17/2012	3	20.5	20.5	20.3	20.6	20.6	20.6	20.9	20.4
7/17/2012	4	20.4	20.3	20.5	20.7	20.7	20.6	20.9	20.4
7/17/2012	5	20.3	20.2	20.2	20.5	20.5	20.5	20.8	20.2
7/17/2012	6	20.2	20.3	20.3	20.5	20.5	20.4	20.8	20.3
7/17/2012	7	20.3	20.3	20.4	20.6	20.6	20.5	20.7	20.3
7/17/2012	8	20.3	20.3	20.3	20.6	20.5	20.5	20.7	20.3
7/17/2012	9	20.2	20.3	20.4	20.6	20.6	20.5	20.6	20.3
7/17/2012	10	20.3	20.3	20.4	20.7	20.6	20.6	20.6	20.3
7/17/2012	11	20.3	20.2	20.4	20.7	20.6	20.6	20.5	20.3
7/17/2012	12	20.2	20.2	20.3	20.5	20.5	20.5	20.5	20.2
7/17/2012	13	20.2	20.1	20.3	20.5	20.5	20.5	20.5	20.2
7/17/2012	14	20.2	20.1	20.3	20.5	20.5	20.5	20.4	20.1
7/17/2012	15	20.2	20.0	20.3	20.6	20.6	20.6	20.4	20.1
7/17/2012	16	20.2	19.9	20.1	20.4	20.4	20.5	20.3	20.1
7/17/2012	17	20.1	19.7	19.9	20.2	20.2	20.2	20.3	19.9
7/17/2012	18	20.2	19.7	19.9	20.1	20.1	20.1	20.2	19.8
7/17/2012	19	20.2	19.7	19.8	20.1	20.1	20.1	20.1	19.7
7/17/2012	20	20.1	19.4	19.7	20.0	19.9	19.9	20.0	19.4
7/17/2012	21	20.0	19.5	19.5	19.7	19.7	19.7	19.9	19.4
7/17/2012	22	20.0	19.5	19.6	19.8	19.7	19.7	19.8	19.5
7/17/2012	23	20.1	19.6	19.7	19.8	19.8	19.8	19.9	19.7
7/17/2012	24	20.1	19.7	19.6	19.8	19.8	19.8	19.9	19.9
7/18/2012	1	20.1	19.7	19.7	19.9	19.9	19.9	20.0	20.0
7/18/2012	2	20.0	19.5	19.6	19.9	19.9	19.9	20.1	19.7
7/18/2012	3	19.7	19.5	19.4	19.7	19.7	19.7	20.0	19.6
7/18/2012	4	19.7	19.5	19.5	19.7	19.6	19.6	20.0	19.7
7/18/2012	5	19.8	19.4	19.5	19.7	19.7	19.6	19.9	19.7
7/18/2012	6	19.7	19.2	19.3	19.5	19.5	19.5	19.8	19.5

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/18/2012	7	19.6	19.2	19.2	19.4	19.4	19.4	19.7	19.4
7/18/2012	8	19.6	19.1	19.2	19.4	19.4	19.4	19.7	19.3
7/18/2012	9	19.6	19.0	19.2	19.4	19.4	19.4	19.6	19.2
7/18/2012	10	19.6	19.3	19.4	19.5	19.5	19.5	19.6	19.4
7/18/2012	11	19.8	19.6	19.7	19.8	19.8	19.8	19.7	19.7
7/18/2012	12	20.0	19.9	20.1	20.2	20.2	20.2	19.9	19.9
7/18/2012	13	20.2	20.2	20.2	20.4	20.4	20.4	20.1	20.0
7/18/2012	14	20.5	20.4	20.5	20.6	20.6	20.7	20.2	20.2
7/18/2012	15	20.7	20.6	20.7	20.9	20.9	20.9	20.4	20.4
7/18/2012	16	20.8	20.8	20.8	21.0	21.0	21.1	20.6	20.6
7/18/2012	17	21.0	20.9	20.9	21.1	21.1	21.1	20.7	20.6
7/18/2012	18	21.1	21.0	20.9	21.1	21.1	21.1	20.9	20.8
7/18/2012	19	21.1	21.1	20.9	21.1	21.1	21.1	21.0	21.0
7/18/2012	20	21.1	21.0	20.9	21.1	21.1	21.1	21.0	21.0
7/18/2012	21	21.1	21.0	20.8	21.1	21.0	21.0	21.1	21.0
7/18/2012	22	21.0	21.0	20.9	21.1	21.1	21.0	21.2	21.1
7/18/2012	23	21.0	21.0	20.9	21.2	21.1	21.1	21.2	21.1
7/18/2012	24	21.0	21.0	20.9	21.2	21.1	21.1	21.3	21.0
7/19/2012	1	20.9	21.0	20.9	21.1	21.1	21.1	21.3	21.0
7/19/2012	2	20.9	20.9	20.8	21.1	21.1	21.0	21.3	21.0
7/19/2012	3	20.9	20.9	20.9	21.1	21.0	21.0	21.3	21.0
7/19/2012	4	20.9	20.9	20.8	21.1	21.0	21.0	21.3	21.0
7/19/2012	5	20.9	20.9	20.8	21.1	21.0	21.0	21.3	21.0
7/19/2012	6	20.9	20.9	20.8	21.0	21.0	21.0	21.3	21.0
7/19/2012	7	20.9	20.9	20.8	21.0	21.0	21.0	21.3	20.9
7/19/2012	8	20.9	20.9	20.9	21.1	21.1	21.0	21.3	20.9
7/19/2012	9	20.9	20.9	21.0	21.1	21.1	21.1	21.3	20.9
7/19/2012	10	20.9	20.9	21.1	21.2	21.3	21.2	21.4	20.9
7/19/2012	11	20.9	21.0	21.2	21.3	21.4	21.4	21.5	21.0
7/19/2012	12	21.0	21.1	21.3	21.5	21.5	21.5	21.5	21.1
7/19/2012	13	21.1	21.2	21.4	21.6	21.6	21.6	21.6	21.2
7/19/2012	14	21.2	21.3	21.6	21.7	21.8	21.8	21.7	21.3
7/19/2012	15	21.3	21.4	21.7	21.8	21.8	21.9	21.7	21.5
7/19/2012	16	21.4	21.5	21.7	21.9	22.0	22.0	21.8	21.6
7/19/2012	17	21.5	21.6	21.7	22.0	22.0	22.0	21.9	21.7
7/19/2012	18	21.6	21.7	21.7	22.0	21.9	21.9	21.9	21.7
7/19/2012	19	21.7	21.7	21.7	22.0	21.9	21.9	21.9	21.8
7/19/2012	20	21.8	21.8	21.7	22.0	22.0	21.9	22.0	21.8
7/19/2012	21	21.8	21.8	21.7	22.0	21.9	21.9	22.0	21.8
7/19/2012	22	21.8	21.8	21.7	22.0	21.9	21.9	22.1	21.8
7/19/2012	23	21.8	21.8	21.7	21.9	21.9	21.9	22.1	21.8
7/19/2012	24	21.8	21.8	21.7	21.9	21.9	21.9	22.1	21.8
7/20/2012	1	21.8	21.8	21.7	21.9	21.9	21.9	22.1	21.8
7/20/2012	2	21.8	21.8	21.7	22.0	21.9	21.9	22.1	21.8
7/20/2012	3	21.8	21.8	21.7	22.0	21.9	21.9	22.1	21.8
7/20/2012	4	21.8	21.8	21.7	22.0	21.9	21.9	22.0	21.8

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/20/2012	5	21.8	21.7	21.7	21.9	21.9	21.9	22.0	21.8
7/20/2012	6	21.7	21.7	21.7	21.9	21.8	21.8	22.0	21.7
7/20/2012	7	21.6	21.6	21.7	21.9	21.8	21.8	22.0	21.7
7/20/2012	8	21.6	21.5	21.6	21.8	21.8	21.8	22.0	21.5
7/20/2012	9	21.5	21.4	21.6	21.8	21.8	21.8	21.9	21.5
7/20/2012	10	21.4	21.4	21.7	21.9	21.9	21.9	21.9	21.5
7/20/2012	11	21.4	21.4	21.6	21.9	21.9	21.9	21.9	21.4
7/20/2012	12	21.4	21.4	21.5	21.8	21.7	21.7	21.9	21.5
7/20/2012	13	21.5	21.4	21.4	21.7	21.6	21.6	21.9	21.5
7/20/2012	14	21.5	21.4	21.4	21.7	21.6	21.6	21.9	21.5
7/20/2012	15	21.5	21.4	21.2	21.5	21.4	21.4	21.9	21.5
7/20/2012	16	21.5	21.5	21.4	21.5	21.5	21.5	21.9	21.5
7/20/2012	17	21.5	21.6	21.6	21.7	21.7	21.7	21.9	21.6
7/20/2012	18	21.5	21.5	21.6	21.8	21.7	21.7	21.9	21.6
7/20/2012	19	21.5	21.5	21.6	21.8	21.8	21.7	21.9	21.6
7/20/2012	20	21.5	21.6	21.6	21.8	21.7	21.7	21.9	21.6
7/20/2012	21	21.5	21.5	21.5	21.7	21.7	21.7	21.9	21.6
7/20/2012	22	21.5	21.5	21.5	21.7	21.7	21.6	21.9	21.6
7/20/2012	23	21.5	21.5	21.5	21.7	21.6	21.6	21.9	21.5
7/20/2012	24	21.4	21.4	21.4	21.6	21.6	21.6	21.9	21.5
7/21/2012	1	21.4	21.4	21.3	21.5	21.5	21.5	21.8	21.4
7/21/2012	2	21.4	21.3	21.3	21.5	21.5	21.4	21.7	21.4
7/21/2012	3	21.3	21.3	21.2	21.4	21.4	21.4	21.7	21.3
7/21/2012	4	21.2	21.2	21.2	21.4	21.4	21.3	21.6	21.2
7/21/2012	5	21.2	21.1	21.1	21.3	21.3	21.2	21.5	21.2
7/21/2012	6	21.1	21.0	21.0	21.2	21.2	21.2	21.5	21.1
7/21/2012	7	21.0	21.0	21.0	21.2	21.2	21.1	21.4	21.0
7/21/2012	8	20.9	20.8	20.9	21.1	21.1	21.1	21.3	20.9
7/21/2012	9	20.8	20.7	20.9	21.1	21.1	21.1	21.2	20.8
7/21/2012	10	20.7	20.7	20.9	21.1	21.1	21.1	21.1	20.7
7/21/2012	11	20.7	20.7	21.0	21.2	21.2	21.2	21.1	20.7
7/21/2012	12	20.7	20.7	21.0	21.3	21.2	21.2	21.0	20.7
7/21/2012	13	20.7	20.7	21.0	21.3	21.3	21.3	20.9	20.7
7/21/2012	14	20.8	20.6	20.9	21.2	21.1	21.2	20.8	20.5
7/21/2012	15	20.6	20.4	20.8	21.1	21.1	21.1	20.7	20.2
7/21/2012	16	20.1	20.1	20.7	20.9	20.9	20.9	20.6	20.0
7/21/2012	17	19.7	19.8	20.7	20.9	20.8	20.9	20.5	20.0
7/21/2012	18	19.6	20.0	20.7	20.9	20.9	20.9	20.4	20.1
7/21/2012	19	20.0	20.3	20.7	20.9	20.9	20.9	20.5	20.4
7/21/2012	20	20.3	20.6	20.8	21.0	20.9	20.9	20.7	20.6
7/21/2012	21	20.5	20.5	20.8	21.0	21.0	20.9	20.9	20.7
7/21/2012	22	20.4	20.5	20.8	21.0	21.0	20.9	21.0	20.7
7/21/2012	23	20.4	20.4	20.7	21.0	20.9	20.9	20.9	20.6
7/21/2012	24	20.4	20.5	20.6	20.8	20.8	20.8	20.8	20.6
7/22/2012	1	20.5	20.6	20.6	20.8	20.8	20.7	20.8	20.5
7/22/2012	2	20.5	20.5	20.6	20.8	20.8	20.7	20.7	20.5

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/22/2012	3	20.5	20.4	20.5	20.8	20.7	20.7	20.6	20.3
7/22/2012	4	20.5	20.5	20.4	20.7	20.6	20.6	20.6	20.3
7/22/2012	5	20.4	20.2	20.3	20.6	20.5	20.5	20.5	20.2
7/22/2012	6	20.2	20.0	20.2	20.5	20.4	20.4	20.4	20.1
7/22/2012	7	20.1	20.0	20.1	20.3	20.3	20.2	20.3	19.9
7/22/2012	8	20.0	19.9	20.2	20.3	20.2	20.2	20.3	19.8
7/22/2012	9	19.8	19.7	20.2	20.3	20.3	20.3	20.2	19.8
7/22/2012	10	19.6	19.6	20.4	20.5	20.5	20.5	20.1	19.7
7/22/2012	11	19.5	19.6	20.5	20.7	20.7	20.7	20.0	19.6
7/22/2012	12	19.4	19.6	20.2	20.5	20.4	20.5	20.0	19.6
7/22/2012	13	19.5	19.4	20.3	20.5	20.5	20.5	19.9	19.6
7/22/2012	14	19.5	19.8	20.5	20.6	20.7	20.7	20.0	19.7
7/22/2012	15	19.7	19.8	20.8	20.8	20.9	20.9	20.2	19.9
7/22/2012	16	19.5	19.7	20.9	21.0	21.0	21.0	20.4	20.1
7/22/2012	17	19.6	19.7	20.8	21.0	21.0	21.0	20.6	20.4
7/22/2012	18	19.8	20.2	20.8	20.9	20.9	20.9	20.9	20.7
7/22/2012	19	20.4	20.8	20.7	20.9	20.8	20.8	21.1	21.1
7/22/2012	20	21.1	21.2	20.7	20.8	20.8	20.7	21.3	21.3
7/22/2012	21	21.1	21.1	20.7	20.8	20.8	20.7	21.5	21.3
7/22/2012	22	21.2	21.2	20.7	20.8	20.7	20.7	21.5	21.3
7/22/2012	23	21.3	21.2	20.6	20.7	20.7	20.6	21.5	21.2
7/22/2012	24	21.2	21.1	20.5	20.7	20.7	20.6	21.4	21.2
7/23/2012	1	21.1	21.0	20.5	20.6	20.6	20.5	21.3	21.1
7/23/2012	2	21.0	20.8	20.5	20.6	20.6	20.5	21.2	20.9
7/23/2012	3	20.8	20.7	20.3	20.5	20.4	20.3	21.1	20.7
7/23/2012	4	20.7	20.6	20.2	20.4	20.3	20.2	21.0	20.7
7/23/2012	5	20.6	20.5	20.2	20.3	20.2	20.1	20.9	20.6
7/23/2012	6	20.5	20.4	20.1	20.2	20.2	20.1	20.9	20.5
7/23/2012	7	20.5	20.4	20.1	20.2	20.2	20.1	20.9	20.4
7/23/2012	8	20.4	20.4	20.2	20.2	20.2	20.1	20.9	20.4
7/23/2012	9	20.4	20.4	20.4	20.4	20.3	20.2	20.9	20.4
7/23/2012	10	20.4	20.4	20.6	20.6	20.6	20.5	20.9	20.4
7/23/2012	11	20.4	20.5	20.7	20.8	20.8	20.8	20.9	20.5
7/23/2012	12	20.5	20.6	20.9	21.0	21.0	21.0	20.9	20.6
7/23/2012	13	20.6	20.6	21.1	21.2	21.1	21.1	20.9	20.7
7/23/2012	14	20.7	20.7	21.2	21.3	21.2	21.2	21.0	20.7
7/23/2012	15	20.7	20.8	21.2	21.3	21.3	21.3	21.0	20.8
7/23/2012	16	20.8	20.8	21.2	21.3	21.3	21.3	21.0	20.9
7/23/2012	17	20.8	20.8	21.1	21.2	21.2	21.3	21.0	20.9
7/23/2012	18	20.8	20.9	20.9	21.2	21.1	21.1	21.1	20.9
7/23/2012	19	20.9	20.8	20.7	21.0	20.9	20.9	21.1	20.9
7/23/2012	20	20.8	20.8	20.6	20.8	20.7	20.7	21.1	20.9
7/23/2012	21	20.8	20.7	20.4	20.7	20.6	20.5	21.1	20.8
7/23/2012	22	20.8	20.7	20.3	20.6	20.5	20.4	21.1	20.7
7/23/2012	23	20.7	20.6	20.2	20.4	20.3	20.3	21.1	20.7
7/23/2012	24	20.6	20.6	20.2	20.4	20.3	20.2	21.0	20.6

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/24/2012	1	20.6	20.5	20.1	20.3	20.2	20.2	21.0	20.6
7/24/2012	2	20.6	20.5	20.1	20.2	20.2	20.1	20.9	20.6
7/24/2012	3	20.5	20.4	20.0	20.2	20.1	20.1	20.8	20.5
7/24/2012	4	20.4	20.3	19.9	20.1	20.1	20.0	20.8	20.4
7/24/2012	5	20.4	20.3	19.9	20.1	20.0	20.0	20.7	20.4
7/24/2012	6	20.3	20.3	19.9	20.0	20.0	19.9	20.7	20.3
7/24/2012	7	20.3	20.2	19.9	20.0	20.0	19.9	20.7	20.3
7/24/2012	8	20.3	20.2	20.1	20.1	20.1	20.0	20.8	20.2
7/24/2012	9	20.2	20.2	20.3	20.2	20.2	20.2	20.8	20.2
7/24/2012	10	20.3	20.3	20.5	20.5	20.5	20.5	20.8	20.3
7/24/2012	11	20.3	20.3	20.8	20.8	20.8	20.8	20.8	20.4
7/24/2012	12	20.4	20.4	21.0	21.1	21.1	21.1	20.8	20.4
7/24/2012	13	20.5	20.6	21.2	21.3	21.3	21.3	20.8	20.6
7/24/2012	14	20.6	20.7	21.4	21.5	21.5	21.5	20.9	20.7
7/24/2012	15	20.8	20.8	21.5	21.6	21.7	21.7	20.9	20.8
7/24/2012	16	20.9	21.0	21.5	21.7	21.7	21.8	21.0	20.9
7/24/2012	17	21.0	21.0	21.5	21.7	21.7	21.7	21.0	21.0
7/24/2012	18	21.0	21.0	21.3	21.6	21.5	21.6	21.0	21.0
7/24/2012	19	21.0	21.0	21.1	21.4	21.4	21.4	21.1	21.0
7/24/2012	20	21.0	21.0	20.9	21.3	21.2	21.2	21.1	20.9
7/24/2012	21	20.9	20.9	20.8	21.1	21.0	21.0	21.2	20.9
7/24/2012	22	20.8	20.8	20.7	21.0	20.9	20.9	21.1	20.8
7/24/2012	23	20.7	20.7	20.6	20.8	20.8	20.8	21.0	20.6
7/24/2012	24	20.6	20.6	20.5	20.7	20.7	20.7	21.0	20.5
7/25/2012	1	20.6	20.5	20.3	20.6	20.6	20.5	20.9	20.5
7/25/2012	2	20.5	20.4	20.3	20.5	20.4	20.4	20.8	20.3
7/25/2012	3	20.4	20.3	20.2	20.4	20.4	20.3	20.7	20.3
7/25/2012	4	20.3	20.3	20.1	20.3	20.3	20.3	20.6	20.2
7/25/2012	5	20.3	20.2	20.0	20.2	20.2	20.2	20.5	20.2
7/25/2012	6	20.2	20.2	19.9	20.2	20.1	20.1	20.5	20.1
7/25/2012	7	20.2	20.1	20.0	20.1	20.1	20.0	20.5	20.1
7/25/2012	8	20.1	20.1	20.2	20.2	20.2	20.1	20.5	20.1
7/25/2012	9	20.1	20.1	20.4	20.3	20.3	20.3	20.5	20.0
7/25/2012	10	20.1	20.2	20.7	20.6	20.6	20.6	20.5	20.0
7/25/2012	11	20.1	20.2	21.1	20.9	21.0	21.0	20.5	20.1
7/25/2012	12	20.1	20.2	21.3	21.3	21.4	21.4	20.5	20.2
7/25/2012	13	20.2	20.3	21.6	21.6	21.7	21.8	20.5	20.3
7/25/2012	14	20.3	20.3	21.8	21.9	22.0	22.1	20.6	20.4
7/25/2012	15	20.3	20.3	21.8	22.1	22.2	22.3	20.6	20.5
7/25/2012	16	20.2	20.2	21.4	22.2	22.2	22.4	20.6	20.6
7/25/2012	17	20.2	20.2	21.2	22.0	21.9	22.1	20.7	20.6
7/25/2012	18	20.1	20.0	21.2	21.7	21.4	21.6	20.7	20.6
7/25/2012	19	19.9	19.8	20.9	21.6	21.4	21.4	20.8	20.5
7/25/2012	20	19.6	19.6	20.5	21.5	21.2	21.3	20.8	20.3
7/25/2012	21	19.4	19.5	20.0	21.2	20.9	21.0	20.7	20.2
7/25/2012	22	19.4	19.2	19.7	20.9	20.5	20.6	20.7	20.3

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/25/2012	23	19.4	19.7	19.4	20.5	20.1	20.2	20.7	20.3
7/25/2012	24	19.5	19.9	19.2	20.1	19.7	19.7	20.6	20.4
7/26/2012	1	19.6	20.0	19.1	19.8	19.4	19.5	20.6	20.5
7/26/2012	2	19.5	19.8	19.1	19.6	19.2	19.2	20.6	20.4
7/26/2012	3	19.4	19.1	19.1	19.4	19.2	19.1	20.6	20.2
7/26/2012	4	19.4	19.1	19.1	19.3	19.2	19.1	20.4	20.1
7/26/2012	5	19.1	19.1	19.0	19.3	19.2	19.1	20.2	19.8
7/26/2012	6	18.9	18.7	19.0	19.3	19.2	19.1	20.0	19.5
7/26/2012	7	18.7	18.6	18.9	19.2	19.1	19.1	19.8	19.3
7/26/2012	8	18.5	18.3	19.0	19.3	19.1	19.1	19.6	19.1
7/26/2012	9	18.3	18.2	19.3	19.5	19.1	19.2	19.4	18.9
7/26/2012	10	18.2	18.1	19.7	19.7	19.3	19.4	19.2	18.9
7/26/2012	11	18.2	18.2	20.3	20.1	19.8	19.9	19.1	18.9
7/26/2012	12	18.1	18.2	20.7	20.6	20.5	20.6	19.1	19.0
7/26/2012	13	18.1	18.0	21.0	21.2	21.1	21.2	19.2	19.2
7/26/2012	14	18.2	18.2	21.2	21.6	21.6	21.7	19.4	19.4
7/26/2012	15	18.0	18.0	21.2	21.9	21.8	21.9	19.5	19.3
7/26/2012	16	18.2	18.1	21.2	21.9	21.9	22.1	19.6	19.7
7/26/2012	17	18.0	17.9	20.6	21.8	21.8	21.9	19.8	19.4
7/26/2012	18	17.9	18.1	19.9	21.6	21.4	21.5	19.8	19.4
7/26/2012	19	18.0	18.0	19.2	21.1	20.7	20.9	19.8	19.4
7/26/2012	20	18.0	18.1	18.7	20.5	19.9	20.1	19.9	19.6
7/26/2012	21	18.3	18.9	18.4	19.8	19.2	19.3	20.1	19.7
7/26/2012	22	19.1	19.2	19.2	19.2	18.6	18.7	20.4	20.4
7/26/2012	23	19.6	20.0	19.5	19.4	19.5	19.3	20.6	20.3
7/26/2012	24	20.3	20.3	19.8	19.7	19.7	19.6	20.6	20.6
7/27/2012	1	20.4	20.4	20.0	19.9	20.0	19.9	20.7	20.6
7/27/2012	2	20.3	20.3	20.1	20.1	20.2	20.1	20.7	20.5
7/27/2012	3	20.4	20.5	20.1	20.2	20.2	20.2	20.7	20.4
7/27/2012	4	20.5	20.5	20.0	20.2	20.2	20.1	20.8	20.5
7/27/2012	5	20.5	20.5	20.0	20.2	20.1	20.1	20.8	20.6
7/27/2012	6	20.5	20.5	20.1	20.2	20.1	20.1	20.8	20.6
7/27/2012	7	20.5	20.5	20.2	20.2	20.2	20.1	20.9	20.6
7/27/2012	8	20.5	20.6	20.4	20.3	20.3	20.3	20.9	20.6
7/27/2012	9	20.6	20.6	20.7	20.6	20.6	20.6	21.0	20.7
7/27/2012	10	20.7	20.7	21.1	21.0	21.0	21.0	21.1	20.7
7/27/2012	11	20.8	20.8	21.3	21.4	21.4	21.4	21.1	20.8
7/27/2012	12	20.9	21.0	21.5	21.6	21.6	21.7	21.2	21.0
7/27/2012	13	21.0	21.2	21.7	21.8	21.8	21.9	21.3	21.1
7/27/2012	14	21.2	21.3	21.8	22.0	22.0	22.1	21.4	21.2
7/27/2012	15	21.3	21.4	21.8	22.1	22.1	22.1	21.4	21.3
7/27/2012	16	21.4	21.5	21.8	22.0	22.0	22.1	21.4	21.5
7/27/2012	17	21.5	21.5	21.7	22.0	21.9	22.0	21.4	21.5
7/27/2012	18	21.5	21.5	21.6	21.8	21.8	21.8	21.5	21.5
7/27/2012	19	21.4	21.4	21.4	21.7	21.6	21.6	21.5	21.4
7/27/2012	20	21.4	21.4	21.2	21.4	21.3	21.3	21.5	21.4

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/27/2012	21	21.3	21.3	21.1	21.3	21.3	21.2	21.5	21.3
7/27/2012	22	21.2	21.2	21.0	21.2	21.2	21.2	21.4	21.3
7/27/2012	23	21.2	21.1	21.0	21.2	21.1	21.1	21.4	21.2
7/27/2012	24	21.1	21.0	20.9	21.1	21.1	21.0	21.3	21.1
7/28/2012	1	21.0	20.9	20.8	21.1	21.0	21.0	21.2	21.0
7/28/2012	2	20.9	20.9	20.7	21.0	20.9	20.9	21.2	20.9
7/28/2012	3	20.8	20.8	20.6	20.9	20.8	20.7	21.1	20.8
7/28/2012	4	20.8	20.7	20.6	20.8	20.7	20.7	21.0	20.8
7/28/2012	5	20.7	20.7	20.5	20.7	20.7	20.6	21.0	20.7
7/28/2012	6	20.7	20.6	20.5	20.7	20.6	20.6	21.0	20.7
7/28/2012	7	20.6	20.6	20.5	20.7	20.6	20.6	21.0	20.7
7/28/2012	8	20.6	20.6	20.6	20.7	20.7	20.6	21.0	20.6
7/28/2012	9	20.6	20.6	20.6	20.8	20.7	20.7	21.0	20.6
7/28/2012	10	20.6	20.6	20.8	20.9	20.9	20.9	21.0	20.6
7/28/2012	11	20.6	20.6	20.9	21.0	21.1	21.1	20.9	20.7
7/28/2012	12	20.7	20.7	21.1	21.2	21.2	21.2	20.9	20.7
7/28/2012	13	20.7	20.8	21.2	21.3	21.4	21.4	21.0	20.8
7/28/2012	14	20.8	20.9	21.4	21.6	21.6	21.6	21.0	20.9
7/28/2012	15	20.9	21.0	21.6	21.7	21.7	21.8	21.1	21.0
7/28/2012	16	21.1	21.1	21.6	21.7	21.8	21.8	21.1	21.1
7/28/2012	17	21.1	21.2	21.5	21.7	21.7	21.8	21.2	21.2
7/28/2012	18	21.2	21.3	21.4	21.7	21.6	21.6	21.3	21.2
7/28/2012	19	21.3	21.3	21.3	21.6	21.5	21.5	21.3	21.2
7/28/2012	20	21.3	21.2	21.1	21.5	21.4	21.4	21.4	21.2
7/28/2012	21	21.2	21.2	20.9	21.4	21.2	21.2	21.4	21.2
7/28/2012	22	21.2	21.2	20.8	21.2	21.0	21.0	21.4	21.2
7/28/2012	23	21.2	21.2	20.8	21.1	21.0	20.9	21.3	21.2
7/28/2012	24	21.1	21.1	20.7	21.0	20.8	20.8	21.3	21.2
7/29/2012	1	21.1	21.1	20.6	20.9	20.8	20.7	21.3	21.1
7/29/2012	2	21.0	21.0	20.6	20.9	20.7	20.7	21.2	21.1
7/29/2012	3	21.0	20.9	20.6	20.8	20.7	20.7	21.2	21.0
7/29/2012	4	20.9	20.9	20.5	20.7	20.6	20.6	21.1	20.9
7/29/2012	5	20.9	20.8	20.4	20.7	20.5	20.5	21.1	20.9
7/29/2012	6	20.8	20.8	20.3	20.6	20.5	20.4	21.1	20.8
7/29/2012	7	20.8	20.7	20.3	20.5	20.4	20.4	21.1	20.8
7/29/2012	8	20.8	20.7	20.5	20.5	20.4	20.4	21.1	20.8
7/29/2012	9	20.8	20.8	20.8	20.6	20.6	20.6	21.1	20.8
7/29/2012	10	20.8	20.8	21.2	20.9	20.9	20.9	21.1	20.8
7/29/2012	11	20.8	20.9	21.7	21.3	21.4	21.4	21.1	20.9
7/29/2012	12	20.9	21.0	22.2	21.8	22.0	22.0	21.1	20.9
7/29/2012	13	21.0	21.1	22.5	22.3	22.5	22.6	21.1	21.0
7/29/2012	14	21.1	21.2	22.8	22.8	22.9	23.1	21.2	21.2
7/29/2012	15	21.3	21.4	22.9	23.2	23.2	23.4	21.2	21.3
7/29/2012	16	21.4	21.4	22.8	23.3	23.4	23.5	21.2	21.4
7/29/2012	17	21.4	21.5	22.5	23.4	23.3	23.5	21.3	21.4
7/29/2012	18	21.3	21.3	22.2	23.2	22.9	23.2	21.3	21.4

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/29/2012	19	21.1	21.0	21.9	22.9	22.6	22.6	21.4	21.4
7/29/2012	20	20.9	20.7	21.3	22.6	22.2	22.3	21.4	21.3
7/29/2012	21	20.8	20.6	20.9	22.2	21.8	21.8	21.4	21.2
7/29/2012	22	20.4	20.6	20.5	21.8	21.3	21.3	21.3	21.1
7/29/2012	23	20.2	20.0	20.2	21.4	20.9	20.9	21.3	21.0
7/29/2012	24	20.3	20.0	20.0	21.0	20.5	20.6	21.2	21.0
7/30/2012	1	20.1	20.0	19.8	20.7	20.3	20.3	21.2	20.9
7/30/2012	2	19.9	19.6	19.7	20.5	20.1	20.1	21.1	20.8
7/30/2012	3	20.1	20.0	19.6	20.2	19.9	19.8	21.0	20.8
7/30/2012	4	20.5	20.7	19.5	20.0	19.7	19.7	21.0	20.8
7/30/2012	5	20.7	20.6	19.4	19.9	19.6	19.5	21.0	20.9
7/30/2012	6	20.7	20.7	19.5	19.7	19.4	19.4	21.0	20.9
7/30/2012	7	20.8	20.8	19.6	19.6	19.4	19.3	21.0	20.9
7/30/2012	8	20.8	20.7	20.0	19.7	19.6	19.5	21.1	20.9
7/30/2012	9	20.8	20.8	20.4	20.0	19.8	19.8	21.1	20.9
7/30/2012	10	20.8	20.9	21.1	20.3	20.2	20.2	21.1	20.9
7/30/2012	11	20.9	21.1	21.7	20.9	20.9	20.8	21.2	21.0
7/30/2012	12	21.0	21.2	22.3	21.6	21.7	21.7	21.2	21.1
7/30/2012	13	21.1	21.3	22.7	22.8	22.3	22.4	21.3	21.2
7/30/2012	14	21.3	21.4	23.0	23.1	22.9	23.1	21.3	21.3
7/30/2012	15	21.3	21.5	23.1	23.4	23.3	23.4	21.4	21.4
7/30/2012	16	21.3	21.7	23.0	23.4	23.4	23.6	21.5	21.5
7/30/2012	17	21.6	21.7	22.7	23.3	23.3	23.5	21.7	21.6
7/30/2012	18	21.6	21.6	22.2	22.9	22.9	23.1	21.7	21.6
7/30/2012	19	21.6	21.6	21.7	22.4	22.3	22.4	21.7	21.6
7/30/2012	20	21.6	21.7	21.2	22.0	21.9	21.9	21.6	21.6
7/30/2012	21	21.6	21.6	20.9	21.4	21.4	21.5	21.6	21.6
7/30/2012	22	21.6	21.5	20.6	21.0	21.0	21.0	21.6	21.6
7/30/2012	23	21.5	21.4	20.5	20.7	20.7	20.7	21.6	21.4
7/30/2012	24	21.4	21.3	20.4	20.5	20.4	20.4	21.6	21.4
7/31/2012	1	21.3	21.2	20.3	20.4	20.3	20.3	21.5	21.3
7/31/2012	2	21.3	21.2	20.2	20.3	20.2	20.2	21.4	21.2
7/31/2012	3	21.2	21.1	20.1	20.1	20.1	20.1	21.4	21.2
7/31/2012	4	21.1	21.1	20.0	20.0	19.9	19.9	21.3	21.1
7/31/2012	5	21.1	21.0	20.1	19.8	19.8	19.7	21.2	21.1
7/31/2012	6	21.0	20.9	20.3	20.2	20.1	20.0	21.2	21.0
7/31/2012	7	20.9	20.9	20.5	20.5	20.4	20.4	21.1	20.9
7/31/2012	8	20.8	20.8	20.8	20.8	20.7	20.7	21.0	20.8
7/31/2012	9	20.7	20.7	20.9	20.9	20.8	20.9	21.0	20.7
7/31/2012	10	20.7	20.7	20.9	21.1	21.0	21.0	21.1	20.7
7/31/2012	11	20.7	20.8	21.0	21.2	21.2	21.2	21.1	20.8
7/31/2012	12	20.8	20.8	21.0	21.5	21.4	21.5	21.1	20.8
7/31/2012	13	20.9	20.9	21.0	21.7	21.6	21.7	21.2	20.9
7/31/2012	14	20.9	21.1	21.2	21.8	21.8	21.9	21.2	21.0
7/31/2012	15	21.1	21.2	21.2	21.8	21.8	21.9	21.3	21.1
7/31/2012	16	21.1	21.2	21.2	21.8	21.8	21.9	21.3	21.2



## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
7/31/2012	17	21.2	21.3	21.2	21.7	21.7	21.8	21.4	21.2
7/31/2012	18	21.3	21.3	21.0	21.6	21.5	21.6	21.4	21.3
7/31/2012	19	21.3	21.3	20.9	21.5	21.4	21.4	21.4	21.3
7/31/2012	20	21.3	21.3	20.8	21.3	21.3	21.3	21.4	21.3
7/31/2012	21	21.3	21.3	20.8	21.2	21.2	21.2	21.4	21.3
7/31/2012	22	21.3	21.3	20.7	21.2	21.1	21.1	21.4	21.3
7/31/2012	23	21.2	21.2	20.7	21.0	21.0	21.0	21.3	21.2
7/31/2012	24	21.2	21.2	20.6	20.9	20.8	20.9	21.3	21.2
8/1/2012	1	21.1	21.1	20.6	20.8	20.7	20.7	21.3	21.1
8/1/2012	2	21.1	21.1	20.6	20.7	20.6	20.6	21.3	21.1
8/1/2012	3	21.0	21.0	20.5	20.6	20.6	20.6	21.2	21.0
8/1/2012	4	21.0	20.9	20.5	20.6	20.5	20.5	21.2	20.9
8/1/2012	5	20.9	20.9	20.5	20.5	20.4	20.4	21.1	20.9
8/1/2012	6	20.8	20.8	20.5	20.5	20.4	20.4	21.1	20.8
8/1/2012	7	20.8	20.7	20.5	20.5	20.4	20.4	21.1	20.7
8/1/2012	8	20.8	20.7	20.5	20.5	20.4	20.5	21.0	20.7
8/1/2012	9	20.8	20.8	20.7	20.7	20.6	20.6	21.0	20.7
8/1/2012	10	20.8	20.8	20.8	21.0	20.8	20.9	21.0	20.8
8/1/2012	11	20.8	20.9	21.0	21.4	21.3	21.4	21.1	20.8
8/1/2012	12	20.9	21.0	21.1	21.8	21.7	21.8	21.1	20.9
8/1/2012	13	21.0	21.1	21.2	22.1	22.0	22.2	21.2	21.0
8/1/2012	14	21.1	21.2	21.2	22.4	22.3	22.5	21.3	21.1
8/1/2012	15	21.3	21.4	21.2	22.6	22.5	22.7	21.4	21.2
8/1/2012	16	21.4	21.5	21.2	22.6	22.6	22.7	21.5	21.4
8/1/2012	17	21.5	21.6	21.2	22.5	22.5	22.6	21.6	21.4
8/1/2012	18	21.5	21.6	21.1	22.3	22.2	22.3	21.6	21.5
8/1/2012	19	21.6	21.6	21.0	22.0	21.9	22.0	21.6	21.5
8/1/2012	20	21.6	21.6	20.9	21.6	21.6	21.7	21.6	21.5
8/1/2012	21	21.5	21.5	20.8	21.3	21.3	21.3	21.6	21.5
8/1/2012	22	21.5	21.5	20.7	21.1	21.0	21.1	21.6	21.5
8/1/2012	23	21.5	21.4	20.7	21.0	20.9	20.9	21.6	21.5
8/1/2012	24	21.4	21.4	20.7	20.9	20.8	20.8	21.5	21.4
8/2/2012	1	21.4	21.3	20.6	20.8	20.7	20.7	21.5	21.3
8/2/2012	2	21.3	21.2	20.6	20.7	20.6	20.6	21.5	21.3
8/2/2012	3	21.3	21.2	20.6	20.6	20.5	20.5	21.5	21.2
8/2/2012	4	21.2	21.2	20.6	20.6	20.5	20.5	21.4	21.2
8/2/2012	5	21.2	21.1	20.6	20.6	20.5	20.5	21.4	21.2
8/2/2012	6	21.1	21.1	20.5	20.5	20.4	20.5	21.3	21.1
8/2/2012	7	21.1	21.1	20.5	20.3	20.3	20.3	21.3	21.1
8/2/2012	8	21.1	21.0	20.6	20.4	20.3	20.3	21.3	21.1
8/2/2012	9	21.1	21.1	20.7	20.6	20.5	20.5	21.2	21.0
8/2/2012	10	21.0	21.1	20.8	20.8	20.7	20.7	21.2	21.0
8/2/2012	11	21.0	21.1	21.1	21.3	21.1	21.3	21.3	21.1
8/2/2012	12	21.1	21.2	21.3	21.9	21.7	21.7	21.3	21.1
8/2/2012	13	21.2	21.3	21.5	22.6	22.4	22.6	21.4	21.2
8/2/2012	14	21.3	21.4	21.5	23.1	22.9	23.1	21.4	21.3

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/2/2012	15	21.3	21.5	21.5	23.4	23.3	23.6	21.4	21.4
8/2/2012	16	21.3	21.6	21.5	23.3	23.3	23.5	21.4	21.5
8/2/2012	17	21.3	21.7	21.4	23.0	23.0	23.3	21.4	21.6
8/2/2012	18	21.3	21.8	21.3	22.9	22.9	23.1	21.4	21.7
8/2/2012	19	21.3	21.7	21.1	22.5	22.5	22.6	21.4	21.7
8/2/2012	20	21.3	21.7	20.9	22.1	22.0	22.2	21.4	21.7
8/2/2012	21	21.7	21.7	20.8	21.6	21.6	21.7	21.8	21.7
8/2/2012	22	21.6	21.6	20.7	21.2	21.2	21.2	21.8	21.6
8/2/2012	23	21.6	21.6	20.7	20.9	20.8	20.9	21.8	21.6
8/2/2012	24	21.6	21.5	20.7	20.8	20.7	20.7	21.7	21.6
8/3/2012	1	21.5	21.5	20.6	20.7	20.6	20.6	21.7	21.5
8/3/2012	2	21.5	21.4	20.6	20.5	20.5	20.5	21.6	21.5
8/3/2012	3	21.4	21.3	20.6	20.4	20.4	20.4	21.6	21.4
8/3/2012	4	21.4	21.3	20.5	20.3	20.3	20.3	21.6	21.4
8/3/2012	5	21.3	21.2	20.5	20.2	20.2	20.2	21.5	21.3
8/3/2012	6	21.3	21.2	20.5	20.2	20.1	20.1	21.5	21.2
8/3/2012	7	21.2	21.2	20.5	20.1	20.0	20.0	21.5	21.2
8/3/2012	8	21.2	21.2	20.6	20.1	20.0	20.1	21.5	21.1
8/3/2012	9	21.1	21.2	20.7	20.3	20.2	20.2	21.5	21.1
8/3/2012	10	21.1	21.2	20.9	20.6	20.4	20.5	21.5	21.2
8/3/2012	11	21.2	21.2	21.1	21.1	20.9	21.0	21.5	21.2
8/3/2012	12	21.2	21.3	21.3	21.8	21.6	21.7	21.4	21.3
8/3/2012	13	21.3	21.5	21.4	22.3	22.2	22.3	21.5	21.3
8/3/2012	14	21.4	21.5	21.6	22.9	22.7	22.9	21.5	21.4
8/3/2012	15	21.6	21.7	21.6	23.2	23.1	23.3	21.6	21.6
8/3/2012	16	21.7	21.7	21.6	23.3	23.4	23.6	21.6	21.7
8/3/2012	17	21.7	21.7	21.5	23.4	23.4	23.6	21.7	21.7
8/3/2012	18	21.7	21.7	21.4	23.3	23.3	23.5	21.7	21.7
8/3/2012	19	21.7	21.7	21.2	22.9	22.9	23.0	21.8	21.7
8/3/2012	20	21.6	21.6	21.0	22.6	22.6	22.7	21.8	21.6
8/3/2012	21	21.6	21.6	20.9	22.2	22.2	22.3	21.8	21.6
8/3/2012	22	21.6	21.5	20.8	21.7	21.7	21.9	21.7	21.5
8/3/2012	23	21.5	21.5	20.7	21.3	21.3	21.4	21.6	21.5
8/3/2012	24	21.5	21.4	20.7	21.0	20.9	21.0	21.5	21.5
8/4/2012	1	21.4	21.3	20.6	20.7	20.7	20.7	21.4	21.4
8/4/2012	2	21.3	21.2	20.6	20.5	20.5	20.5	21.4	21.3
8/4/2012	3	21.1	20.9	20.5	20.4	20.3	20.3	21.3	21.1
8/4/2012	4	20.8	20.6	20.5	20.2	20.2	20.2	21.2	21.0
8/4/2012	5	20.7	20.7	20.5	20.1	20.1	20.1	21.1	20.9
8/4/2012	6	20.5	20.3	20.4	20.0	19.9	19.9	21.1	20.8
8/4/2012	7	20.6	20.7	20.3	19.9	19.8	19.8	21.1	20.7
8/4/2012	8	20.5	20.4	20.4	19.9	19.8	19.9	21.1	20.8
8/4/2012	9	20.4	20.4	20.6	20.0	19.8	20.0	21.1	20.7
8/4/2012	10	20.4	20.5	20.9	20.2	20.1	20.2	21.1	20.8
8/4/2012	11	20.4	20.5	21.1	20.7	20.6	20.7	21.1	20.8
8/4/2012	12	20.3	20.3	21.4	21.7	21.4	21.5	21.0	20.9

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/4/2012	13	20.3	20.3	21.6	22.5	22.3	22.4	21.0	20.9
8/4/2012	14	20.3	20.4	21.7	23.2	23.0	23.2	21.1	20.9
8/4/2012	15	20.1	20.2	21.7	23.7	23.5	23.7	21.1	20.9
8/4/2012	16	20.2	20.0	21.7	23.8	23.8	24.1	21.1	21.1
8/4/2012	17	19.9	20.0	21.6	23.9	23.9	24.1	21.1	21.0
8/4/2012	18	20.0	20.1	21.4	23.6	23.6	24.0	21.1	21.2
8/4/2012	19	19.9	20.1	21.2	23.2	23.1	23.4	21.2	21.1
8/4/2012	20	19.8	20.1	20.9	22.7	22.7	22.8	21.2	21.0
8/4/2012	21	19.9	20.4	20.7	22.1	22.1	22.3	21.2	21.1
8/4/2012	22	19.8	20.1	20.5	21.4	21.4	21.7	21.2	21.1
8/4/2012	23	19.9	20.0	20.4	20.8	20.8	21.0	21.1	21.1
8/4/2012	24	19.5	19.5	20.4	20.4	20.3	20.5	21.1	20.9
8/5/2012	1	19.6	19.4	20.3	20.1	20.0	20.2	21.1	20.9
8/5/2012	2	19.6	19.4	20.3	19.9	19.8	19.9	21.0	20.7
8/5/2012	3	19.4	19.5	20.2	19.7	19.7	19.7	20.9	20.6
8/5/2012	4	19.3	19.6	20.2	19.6	19.5	19.6	20.8	20.4
8/5/2012	5	19.3	19.7	20.2	19.4	19.3	19.4	20.6	20.4
8/5/2012	6	19.1	19.0	20.1	19.3	19.2	19.2	20.5	20.4
8/5/2012	7	19.1	19.0	20.1	19.2	19.1	19.1	20.4	20.2
8/5/2012	8	19.1	19.4	20.2	19.2	19.0	19.2	20.3	20.1
8/5/2012	9	19.0	19.0	20.4	19.3	19.1	19.3	20.3	20.3
8/5/2012	10	19.0	19.0	20.6	19.6	19.4	19.6	20.3	20.3
8/5/2012	11	19.0	19.2	20.9	20.1	19.9	20.1	20.4	20.1
8/5/2012	12	19.1	19.0	21.2	21.0	20.7	20.9	20.5	20.4
8/5/2012	13	19.0	19.1	21.4	21.8	21.6	21.8	20.6	20.5
8/5/2012	14	19.1	19.2	21.5	22.6	22.3	22.6	20.7	20.6
8/5/2012	15	19.3	19.4	21.6	23.0	22.9	23.2	20.9	20.7
8/5/2012	16	19.3	19.3	21.5	23.2	23.2	23.5	21.0	21.1
8/5/2012	17	19.2	19.5	21.4	23.2	23.2	23.6	21.2	21.0
8/5/2012	18	19.3	19.6	21.3	23.0	23.0	23.4	21.3	21.2
8/5/2012	19	19.4	19.5	21.1	22.6	22.6	22.8	21.5	21.5
8/5/2012	20	19.3	19.3	20.8	22.2	22.1	22.3	21.5	21.3
8/5/2012	21	19.4	19.7	20.6	21.7	21.6	21.9	21.6	21.4
8/5/2012	22	19.6	19.7	20.5	21.0	21.0	21.3	21.6	21.4
8/5/2012	23	19.7	19.7	20.4	20.5	20.5	20.7	21.6	21.6
8/5/2012	24	19.9	19.6	20.4	20.2	20.1	20.3	21.6	21.7
8/6/2012	1	19.5	19.7	20.4	19.9	19.8	20.0	21.7	21.3
8/6/2012	2	19.6	19.4	20.4	19.8	19.7	19.8	21.7	21.6
8/6/2012	3	19.4	19.7	20.4	19.8	19.7	19.7	21.7	21.2
8/6/2012	4	19.7	20.3	20.4	19.8	19.7	19.7	21.6	21.4
8/6/2012	5	19.6	19.8	20.4	19.8	19.7	19.7	21.6	21.3
8/6/2012	6	19.6	19.7	20.3	19.7	19.7	19.7	21.5	21.3
8/6/2012	7	19.6	19.5	20.4	19.7	19.6	19.7	21.5	21.2
8/6/2012	8	19.6	19.5	20.4	19.7	19.6	19.7	21.4	20.9
8/6/2012	9	19.6	19.7	20.6	19.8	19.7	19.8	21.3	21.1
8/6/2012	10	19.2	19.7	20.7	20.0	19.8	19.9	21.3	20.8

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/6/2012	11	19.2	19.2	20.7	20.2	20.1	20.1	21.2	20.9
8/6/2012	12	19.0	18.9	20.7	20.5	20.4	20.4	21.1	20.9
8/6/2012	13	19.0	19.2	20.8	20.9	20.7	20.9	21.1	20.7
8/6/2012	14	19.1	19.3	21.1	21.2	21.0	21.3	21.1	21.1
8/6/2012	15	19.1	19.5	21.2	21.5	21.3	21.6	21.3	21.4
8/6/2012	16	19.3	20.1	21.3	21.8	21.8	22.0	21.6	21.8
8/6/2012	17	19.9	20.4	21.3	22.1	22.1	22.3	21.9	22.1
8/6/2012	18	20.6	21.2	21.1	22.2	22.1	22.2	22.2	22.3
8/6/2012	19	21.2	21.8	21.0	22.0	22.0	22.1	22.3	22.4
8/6/2012	20	20.9	21.1	20.9	21.7	21.6	21.8	22.4	22.3
8/6/2012	21	21.2	20.8	20.8	21.3	21.2	21.4	22.5	22.5
8/6/2012	22	21.0	21.6	20.8	20.9	20.9	21.0	22.5	22.5
8/6/2012	23	21.4	21.6	20.8	20.7	20.7	20.7	22.6	22.6
8/6/2012	24	22.0	22.3	20.7	20.6	20.6	20.6	22.6	22.6
8/7/2012	1	22.2	22.3	20.7	20.5	20.5	20.5	22.7	22.7
8/7/2012	2	22.2	22.2	20.7	20.4	20.3	20.4	22.7	22.8
8/7/2012	3	22.0	22.1	20.8	20.3	20.2	20.2	22.7	22.7
8/7/2012	4	22.3	22.3	20.8	20.3	20.2	20.2	22.8	22.7
8/7/2012	5	22.5	22.5	20.8	20.4	20.3	20.2	22.8	22.6
8/7/2012	6	22.1	21.9	20.8	20.4	20.3	20.3	22.7	22.5
8/7/2012	7	21.8	21.6	20.8	20.4	20.3	20.3	22.7	22.4
8/7/2012	8	21.6	21.2	21.0	20.5	20.4	20.4	22.6	22.3
8/7/2012	9	21.4	21.2	21.1	20.7	20.5	20.6	22.5	22.2
8/7/2012	10	21.3	21.1	21.2	21.0	20.9	21.0	22.5	22.2
8/7/2012	11	21.5	21.3	21.5	21.5	21.2	21.4	22.4	22.3
8/7/2012	12	21.2	21.2	21.7	22.1	21.9	22.0	22.4	22.3
8/7/2012	13	21.4	21.5	21.8	22.8	22.6	22.7	22.5	22.3
8/7/2012	14	21.9	22.2	21.9	23.3	23.1	23.3	22.6	22.5
8/7/2012	15	21.8	22.1	21.9	23.6	23.5	23.7	22.6	22.6
8/7/2012	16	22.2	22.4	21.9	23.7	23.7	23.9	22.7	22.7
8/7/2012	17	22.4	22.4	21.8	23.7	23.7	23.9	22.8	22.8
8/7/2012	18	22.3	22.2	21.7	23.5	23.5	23.7	22.8	23.0
8/7/2012	19	22.1	22.4	21.6	23.3	23.3	23.4	22.9	22.8
8/7/2012	20	22.1	22.2	21.5	23.0	22.9	23.1	22.9	22.8
8/7/2012	21	21.8	21.9	21.3	22.6	22.6	22.7	23.0	22.8
8/7/2012	22	22.1	21.6	21.2	22.3	22.3	22.4	23.0	22.8
8/7/2012	23	22.3	22.5	21.2	21.9	21.9	22.0	23.0	22.8
8/7/2012	24	22.0	22.2	21.1	21.7	21.6	21.7	23.0	22.8
8/8/2012	1	22.4	22.4	21.1	21.5	21.4	21.5	23.0	22.8
8/8/2012	2	22.7	22.5	21.1	21.3	21.2	21.3	23.1	23.0
8/8/2012	3	22.5	22.6	21.1	21.2	21.1	21.2	23.1	23.0
8/8/2012	4	22.5	22.3	21.1	21.2	21.1	21.1	23.0	22.9
8/8/2012	5	21.8	21.8	21.2	21.2	21.1	21.1	22.9	22.6
8/8/2012	6	21.2	21.1	21.1	21.2	21.1	21.1	22.7	22.3
8/8/2012	7	21.0	20.7	21.1	21.2	21.1	21.1	22.6	22.4
8/8/2012	8	20.8	20.7	21.1	21.3	21.2	21.2	22.5	22.3

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/8/2012	9	21.4	21.6	21.2	21.4	21.3	21.4	22.5	22.3
8/8/2012	10	20.7	21.0	21.4	21.6	21.4	21.6	22.5	22.3
8/8/2012	11	21.1	21.5	21.6	21.9	21.7	21.9	22.6	22.4
8/8/2012	12	21.4	21.7	21.8	22.4	22.2	22.4	22.6	22.6
8/8/2012	13	21.6	22.0	21.9	22.9	22.7	22.8	22.8	22.7
8/8/2012	14	21.8	22.3	22.0	23.5	23.3	23.4	22.9	22.8
8/8/2012	15	22.0	22.1	22.0	23.7	23.6	23.7	23.0	22.9
8/8/2012	16	22.2	21.6	21.9	23.7	23.7	23.8	23.2	23.1
8/8/2012	17	22.4	22.5	21.9	23.6	23.6	23.8	23.3	23.3
8/8/2012	18	22.6	23.1	21.7	23.3	23.3	23.4	23.4	23.2
8/8/2012	19	22.9	23.0	21.5	22.9	22.8	22.8	23.4	23.2
8/8/2012	20	23.1	23.0	21.3	22.5	22.4	22.4	23.4	23.3
8/8/2012	21	23.1	23.1	21.2	22.0	21.9	21.9	23.3	23.3
8/8/2012	22	23.2	23.1	21.2	21.5	21.5	21.5	23.3	23.2
8/8/2012	23	23.2	23.1	21.2	21.3	21.3	21.2	23.3	23.2
8/8/2012	24	23.2	23.1	21.2	21.2	21.1	21.1	23.2	23.1
8/9/2012	1	23.1	23.0	21.1	21.0	21.0	20.9	23.2	23.0
8/9/2012	2	23.0	22.9	21.0	20.9	20.8	20.8	23.2	23.0
8/9/2012	3	23.0	22.9	21.0	20.7	20.6	20.6	23.1	22.9
8/9/2012	4	22.9	22.8	21.0	20.5	20.4	20.4	23.1	22.8
8/9/2012	5	22.8	22.8	21.0	20.4	20.3	20.3	23.0	22.8
8/9/2012	6	22.8	22.7	21.0	20.3	20.3	20.2	23.0	22.7
8/9/2012	7	22.7	22.7	21.0	20.3	20.2	20.2	22.9	22.7
8/9/2012	8	22.7	22.7	21.2	20.5	20.3	20.3	22.9	22.7
8/9/2012	9	22.7	22.7	21.3	20.7	20.5	20.5	22.8	22.6
8/9/2012	10	22.7	22.7	21.5	20.9	20.8	20.8	22.8	22.7
8/9/2012	11	22.7	22.8	21.6	21.3	21.2	21.2	22.9	22.7
8/9/2012	12	22.7	22.8	21.9	22.2	22.0	22.1	22.9	22.8
8/9/2012	13	22.8	22.9	22.1	22.9	22.7	22.8	23.0	22.8
8/9/2012	14	22.9	23.0	22.1	23.5	23.4	23.4	23.0	22.9
8/9/2012	15	23.0	23.0	22.1	23.9	23.8	23.9	23.1	22.9
8/9/2012	16	23.0	23.1	22.1	24.0	24.0	24.1	23.1	23.0
8/9/2012	17	23.1	23.1	22.0	24.1	24.0	24.1	23.2	23.1
8/9/2012	18	23.1	23.2	21.9	23.9	23.8	24.0	23.2	23.1
8/9/2012	19	23.2	23.2	21.8	23.7	23.6	23.7	23.3	23.1
8/9/2012	20	23.1	23.1	21.7	23.4	23.4	23.4	23.3	23.1
8/9/2012	21	23.1	23.1	21.6	22.9	22.9	23.0	23.2	23.1
8/9/2012	22	23.1	23.0	21.5	22.5	22.5	22.6	23.1	23.0
8/9/2012	23	23.0	23.0	21.4	22.1	22.1	22.2	23.1	23.0
8/9/2012	24	23.0	22.9	21.3	21.8	21.8	21.8	23.0	22.9
8/10/2012	1	22.9	22.8	21.3	21.6	21.5	21.6	22.9	22.8
8/10/2012	2	22.8	22.7	21.2	21.4	21.4	21.4	22.9	22.6
8/10/2012	3	22.6	22.6	21.2	21.2	21.2	21.2	22.8	22.6
8/10/2012	4	22.6	22.5	21.2	21.0	21.0	21.0	22.7	22.5
8/10/2012	5	22.5	22.4	21.2	20.9	20.8	20.8	22.7	22.5
8/10/2012	6	22.5	22.3	21.2	20.8	20.7	20.7	22.6	22.4

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/10/2012	7	22.4	22.3	21.1	20.7	20.7	20.6	22.6	22.4
8/10/2012	8	22.4	22.4	21.2	20.8	20.6	20.7	22.6	22.4
8/10/2012	9	22.4	22.4	21.4	20.9	20.7	20.8	22.6	22.3
8/10/2012	10	22.4	22.4	21.6	21.1	20.9	21.0	22.6	22.4
8/10/2012	11	22.4	22.4	21.7	21.6	21.3	21.5	22.6	22.4
8/10/2012	12	22.4	22.5	21.9	22.3	22.1	22.2	22.6	22.4
8/10/2012	13	22.5	22.6	22.1	23.0	22.8	22.9	22.6	22.5
8/10/2012	14	22.5	22.7	22.2	23.7	23.5	23.6	22.6	22.5
8/10/2012	15	22.5	22.6	22.2	24.1	24.0	24.2	22.7	22.6
8/10/2012	16	22.5	22.5	22.2	24.3	24.3	24.5	22.7	22.6
8/10/2012	17	22.3	22.4	22.1	24.4	24.5	24.6	22.7	22.7
8/10/2012	18	22.3	22.3	21.9	24.3	24.3	24.5	22.7	22.7
8/10/2012	19	22.3	22.4	21.7	23.9	23.9	24.0	22.7	22.7
8/10/2012	20	22.3	22.3	21.6	23.6	23.5	23.6	22.7	22.6
8/10/2012	21	22.4	22.3	21.5	23.2	23.2	23.3	22.7	22.6
8/10/2012	22	22.2	22.1	21.3	22.8	22.8	22.9	22.7	22.6
8/10/2012	23	22.1	22.0	21.2	22.3	22.3	22.5	22.7	22.5
8/10/2012	24	22.1	22.0	21.2	21.8	21.8	21.9	22.7	22.4
8/11/2012	1	22.1	22.0	21.1	21.4	21.3	21.5	22.6	22.4
8/11/2012	2	22.2	22.1	21.1	21.0	20.9	21.1	22.6	22.4
8/11/2012	3	22.3	22.3	21.1	20.7	20.6	20.7	22.6	22.4
8/11/2012	4	22.4	22.3	21.1	20.5	20.4	20.5	22.6	22.4
8/11/2012	5	22.4	22.3	21.1	20.3	20.2	20.2	22.5	22.3
8/11/2012	6	22.4	22.2	21.1	20.2	20.1	20.1	22.5	22.3
8/11/2012	7	22.3	22.3	21.1	20.1	20.0	20.0	22.5	22.3
8/11/2012	8	22.3	22.3	21.2	20.2	20.1	20.1	22.5	22.3
8/11/2012	9	22.2	22.3	21.3	20.5	20.2	20.3	22.5	22.2
8/11/2012	10	22.2	22.3	21.5	20.8	20.5	20.7	22.5	22.2
8/11/2012	11	22.2	22.3	21.7	21.2	20.8	21.1	22.5	22.2
8/11/2012	12	22.2	22.4	21.9	21.7	21.4	21.7	22.5	22.3
8/11/2012	13	22.3	22.5	22.1	22.6	22.3	22.4	22.5	22.3
8/11/2012	14	22.4	22.6	22.2	23.4	23.1	23.3	22.6	22.4
8/11/2012	15	22.5	22.7	22.3	24.0	23.8	24.0	22.6	22.4
8/11/2012	16	22.5	22.6	22.3	24.2	24.3	24.5	22.6	22.5
8/11/2012	17	22.5	22.6	22.3	24.5	24.6	24.7	22.6	22.6
8/11/2012	18	22.5	22.6	22.2	24.6	24.6	24.8	22.6	22.7
8/11/2012	19	22.6	22.6	22.0	24.5	24.5	24.6	22.6	22.7
8/11/2012	20	22.6	22.5	21.8	24.2	24.1	24.2	22.7	22.7
8/11/2012	21	22.5	22.5	21.7	23.8	23.8	23.9	22.7	22.6
8/11/2012	22	22.6	22.5	21.5	23.3	23.3	23.5	22.7	22.6
8/11/2012	23	22.5	22.4	21.4	22.7	22.7	22.9	22.7	22.5
8/11/2012	24	22.2	22.1	21.4	22.2	22.2	22.4	22.7	22.4
8/12/2012	1	22.1	22.0	21.3	21.8	21.7	21.9	22.6	22.2
8/12/2012	2	21.8	21.6	21.3	21.4	21.4	21.5	22.6	22.2
8/12/2012	3	21.8	21.6	21.2	21.1	21.1	21.2	22.5	22.1
8/12/2012	4	21.8	21.6	21.2	20.9	20.9	20.9	22.4	22.1

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/12/2012	5	21.8	21.6	21.1	20.7	20.7	20.7	22.4	22.1
8/12/2012	6	22.0	21.9	21.1	20.5	20.5	20.5	22.3	22.1
8/12/2012	7	22.1	22.0	21.1	20.4	20.3	20.3	22.3	22.1
8/12/2012	8	22.1	22.1	21.1	20.4	20.2	20.3	22.3	22.2
8/12/2012	9	22.1	22.2	21.3	20.5	20.2	20.4	22.4	22.2
8/12/2012	10	22.2	22.3	21.5	20.6	20.4	20.7	22.4	22.3
8/12/2012	11	22.3	22.4	21.7	20.9	20.7	21.0	22.5	22.3
8/12/2012	12	22.3	22.5	22.0	21.5	21.2	21.5	22.6	22.4
8/12/2012	13	22.5	22.7	22.2	22.4	22.1	22.3	22.6	22.5
8/12/2012	14	22.5	22.7	22.3	23.3	23.0	23.2	22.7	22.6
8/12/2012	15	22.4	22.5	22.4	23.9	23.7	23.9	22.7	22.6
8/12/2012	16	22.3	22.4	22.4	24.2	24.3	24.5	22.7	22.7
8/12/2012	17	22.1	22.3	22.4	24.6	24.7	24.8	22.7	22.6
8/12/2012	18	22.0	22.1	22.3	24.8	24.8	24.9	22.7	22.5
8/12/2012	19	21.6	21.5	22.1	24.7	24.7	24.8	22.6	22.3
8/12/2012	20	21.4	21.5	21.9	24.3	24.3	24.5	22.6	22.2
8/12/2012	21	21.2	21.2	21.7	24.0	24.0	24.1	22.5	22.2
8/12/2012	22	21.3	21.1	21.6	23.5	23.5	23.7	22.5	22.4
8/12/2012	23	21.1	21.4	21.4	22.9	22.9	23.2	22.5	22.3
8/12/2012	24	21.4	21.5	21.3	22.4	22.3	22.6	22.4	22.5
8/13/2012	1	21.5	21.7	21.3	21.9	21.8	22.1	22.4	22.5
8/13/2012	2	21.4	21.5	21.2	21.4	21.4	21.6	22.4	22.5
8/13/2012	3	21.3	21.5	21.2	21.1	21.0	21.2	22.4	22.3
8/13/2012	4	21.4	21.2	21.2	20.8	20.7	20.8	22.3	22.2
8/13/2012	5	21.2	21.1	21.2	20.6	20.5	20.6	22.3	22.1
8/13/2012	6	21.4	21.1	21.2	20.4	20.3	20.4	22.2	22.1
8/13/2012	7	21.1	21.1	21.1	20.3	20.2	20.2	22.1	21.8
8/13/2012	8	21.0	20.8	21.2	20.4	20.2	20.2	22.0	21.8
8/13/2012	9	20.8	20.7	21.3	20.5	20.2	20.4	21.9	21.6
8/13/2012	10	20.6	20.6	21.5	20.6	20.4	20.7	21.8	21.5
8/13/2012	11	20.5	20.8	21.7	20.9	20.7	21.0	21.6	21.4
8/13/2012	12	20.5	20.7	21.8	21.4	21.1	21.4	21.6	21.5
8/13/2012	13	20.5	21.0	22.0	22.2	21.9	22.1	21.8	21.6
8/13/2012	14	20.4	20.9	22.1	22.8	22.5	22.8	21.9	21.8
8/13/2012	15	20.8	21.1	22.2	23.2	23.1	23.4	22.0	22.2
8/13/2012	16	20.9	21.2	22.2	23.4	23.5	23.8	22.3	22.1
8/13/2012	17	21.1	21.4	22.1	23.7	23.8	23.9	22.3	22.2
8/13/2012	18	21.2	21.5	22.0	23.8	23.8	23.8	22.4	22.3
8/13/2012	19	21.1	21.1	21.8	23.6	23.6	23.6	22.4	22.4
8/13/2012	20	21.0	21.1	21.6	23.4	23.3	23.4	22.5	22.4
8/13/2012	21	21.2	21.4	21.5	23.0	22.9	23.1	22.6	22.5
8/13/2012	22	21.2	21.5	21.3	22.4	22.4	22.6	22.6	22.5
8/13/2012	23	21.5	21.5	21.2	21.8	21.7	22.0	22.7	22.6
8/13/2012	24	22.0	22.0	21.2	21.2	21.2	21.4	22.8	22.7
8/14/2012	1	22.2	22.3	21.2	20.8	20.7	20.9	22.8	22.7
8/14/2012	2	22.6	22.5	21.2	20.5	20.4	20.5	22.9	22.8



## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/14/2012	3	22.7	22.7	21.2	20.2	20.2	20.2	22.9	22.8
8/14/2012	4	22.8	22.8	21.2	20.2	20.1	20.1	23.0	22.8
8/14/2012	5	22.9	22.8	21.2	20.1	20.0	20.0	23.0	22.9
8/14/2012	6	22.9	22.8	21.3	20.0	20.0	19.9	23.0	22.9
8/14/2012	7	22.9	22.8	21.3	20.0	19.9	19.9	23.0	22.9
8/14/2012	8	22.9	22.9	21.4	20.2	20.1	20.0	23.0	22.8
8/14/2012	9	22.9	23.0	21.6	20.6	20.3	20.4	23.0	22.9
8/14/2012	10	22.9	23.0	21.7	20.9	20.6	20.8	23.1	22.9
8/14/2012	11	22.9	23.0	22.0	21.3	21.0	21.3	23.1	22.9
8/14/2012	12	22.9	23.1	22.2	21.8	21.5	21.7	23.1	23.0
8/14/2012	13	23.0	23.3	22.4	22.7	22.4	22.5	23.2	23.1
8/14/2012	14	23.1	23.4	22.5	23.5	23.2	23.4	23.3	23.2
8/14/2012	15	23.2	23.4	22.6	24.1	23.9	24.1	23.4	23.3
8/14/2012	16	23.3	23.4	22.7	24.4	24.5	24.5	23.4	23.4
8/14/2012	17	23.4	23.5	22.6	24.7	24.8	24.9	23.5	23.5
8/14/2012	18	23.6	23.6	22.4	24.8	24.8	24.8	23.6	23.5
8/14/2012	19	23.5	23.5	22.3	24.7	24.7	24.6	23.7	23.6
8/14/2012	20	23.6	23.5	22.1	24.4	24.4	24.3	23.7	23.6
8/14/2012	21	23.6	23.6	21.9	24.0	24.0	24.1	23.7	23.6
8/14/2012	22	23.6	23.5	21.8	23.5	23.5	23.6	23.6	23.5
8/14/2012	23	23.5	23.4	21.7	23.0	23.0	23.1	23.6	23.5
8/14/2012	24	23.5	23.4	21.7	22.4	22.4	22.5	23.6	23.4
8/15/2012	1	23.4	23.3	21.6	21.9	21.9	22.0	23.5	23.4
8/15/2012	2	23.3	23.3	21.6	21.6	21.5	21.6	23.5	23.3
8/15/2012	3	23.3	23.2	21.6	21.3	21.3	21.2	23.5	23.3
8/15/2012	4	23.3	23.2	21.5	21.1	21.1	21.0	23.4	23.2
8/15/2012	5	23.2	23.1	21.5	20.9	21.0	20.9	23.3	23.2
8/15/2012	6	23.2	23.1	21.5	20.9	20.8	20.7	23.3	23.2
8/15/2012	7	23.2	23.1	21.5	20.8	20.8	20.7	23.2	23.2
8/15/2012	8	23.1	23.1	21.5	20.9	20.7	20.7	23.2	23.1
8/15/2012	9	23.1	23.2	21.7	21.1	20.8	20.9	23.1	23.1
8/15/2012	10	23.1	23.2	21.8	21.2	20.9	21.1	23.0	23.1
8/15/2012	11	22.9	22.8	22.0	21.4	21.1	21.4	23.0	22.8
8/15/2012	12	22.1	22.1	22.3	21.9	21.6	21.8	22.8	22.3
8/15/2012	13	21.4	21.5	22.4	22.7	22.3	22.5	22.4	21.8
8/15/2012	14	20.9	21.0	22.6	23.4	23.0	23.2	21.9	21.4
8/15/2012	15	20.6	20.7	22.6	23.7	23.7	23.9	21.5	21.1
8/15/2012	16	20.5	20.5	22.5	24.1	24.2	24.4	21.2	20.9
8/15/2012	17	20.3	20.3	22.4	24.3	24.5	24.7	21.1	20.8
8/15/2012	18	20.2	20.2	22.2	24.4	24.5	24.6	21.0	20.5
8/15/2012	19	20.0	20.0	22.0	24.2	24.2	24.3	20.8	20.3
8/15/2012	20	20.0	19.9	21.7	23.8	23.8	23.9	20.7	20.2
8/15/2012	21	19.9	19.8	21.6	23.3	23.2	23.5	20.6	20.2
8/15/2012	22	19.9	19.8	21.4	22.5	22.5	22.8	20.5	20.3
8/15/2012	23	20.1	20.0	21.3	21.9	21.9	22.2	20.8	20.6
8/15/2012	24	20.4	20.3	21.2	21.3	21.2	21.5	21.2	21.0



## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/16/2012	1	20.5	20.4	21.2	20.8	20.7	21.0	21.6	21.0
8/16/2012	2	20.5	20.4	21.1	20.3	20.3	20.5	21.6	20.9
8/16/2012	3	20.4	20.2	21.1	20.0	19.9	20.0	21.6	20.9
8/16/2012	4	20.4	20.3	21.1	19.7	19.6	19.7	21.6	20.9
8/16/2012	5	20.4	20.2	21.1	19.5	19.4	19.5	21.5	20.8
8/16/2012	6	20.3	20.2	21.1	19.3	19.3	19.2	21.5	20.8
8/16/2012	7	20.3	20.2	21.1	19.2	19.2	19.2	21.5	20.8
8/16/2012	8	20.3	20.3	21.1	19.4	19.2	19.2	21.5	20.8
8/16/2012	9	20.4	20.6	21.2	19.6	19.3	19.4	21.3	21.2
8/16/2012	10	21.1	21.4	21.5	19.8	19.4	19.7	21.4	21.6
8/16/2012	11	21.2	21.3	21.7	20.1	19.7	20.1	21.7	21.7
8/16/2012	12	20.9	21.0	22.0	20.6	20.2	20.6	21.8	21.5
8/16/2012	13	20.8	21.1	22.2	21.5	21.1	21.3	21.8	21.4
8/16/2012	14	20.8	21.1	22.4	22.4	22.0	22.2	21.7	21.4
8/16/2012	15	20.9	21.0	22.5	23.0	22.8	23.0	21.7	21.6
8/16/2012	16	20.8	20.9	22.5	23.3	23.5	23.6	21.8	21.5
8/16/2012	17	20.8	20.8	22.4	23.9	24.0	24.1	21.9	21.7
8/16/2012	18	20.8	20.8	22.3	24.2	24.1	24.3	22.0	21.7
8/16/2012	19	20.7	20.9	22.1	24.0	23.9	24.1	22.0	21.7
8/16/2012	20	20.8	20.9	21.9	23.6	23.5	23.7	22.1	22.0
8/16/2012	21	20.8	21.1	21.7	23.2	23.2	23.3	22.2	22.1
8/16/2012	22	20.8	21.1	21.6	22.6	22.6	22.8	22.3	22.0
8/16/2012	23	21.0	21.2	21.5	22.0	22.0	22.3	22.4	22.1
8/16/2012	24	20.9	21.0	21.4	21.5	21.4	21.7	22.4	22.0
8/17/2012	1	21.1	20.8	21.3	21.0	20.9	21.2	22.5	22.0
8/17/2012	2	20.8	20.7	21.3	20.6	20.5	20.7	22.6	22.0
8/17/2012	3	20.7	20.6	21.3	20.3	20.3	20.4	22.8	21.9
8/17/2012	4	20.6	20.5	21.3	20.1	20.1	20.1	22.8	21.8
8/17/2012	5	20.6	20.4	21.2	20.0	19.9	19.9	22.7	21.8
8/17/2012	6	20.5	20.3	21.2	19.8	19.8	19.7	22.6	21.7
8/17/2012	7	20.4	20.3	21.2	19.7	19.7	19.7	22.4	21.7
8/17/2012	8	20.4	20.4	21.2	19.8	19.6	19.7	22.4	21.7
8/17/2012	9	20.4	20.4	21.4	19.9	19.6	19.8	22.5	21.7
8/17/2012	10	20.4	20.5	21.6	20.0	19.7	20.0	22.5	22.0
8/17/2012	11	20.4	20.6	21.8	20.3	20.0	20.3	21.4	21.2
8/17/2012	12	20.5	20.7	22.1	20.8	20.4	20.8	21.4	21.5
8/17/2012	13	20.6	20.8	22.3	21.7	21.3	21.5	21.6	21.6
8/17/2012	14	20.6	20.8	22.4	22.5	22.2	22.3	21.7	21.7
8/17/2012	15	20.8	21.1	22.5	23.1	22.9	23.1	21.9	21.7
8/17/2012	16	21.0	21.3	22.5	23.5	23.5	23.7	22.0	22.2
8/17/2012	17	21.0	21.2	22.4	23.8	23.9	24.1	22.2	22.3
8/17/2012	18	21.0	21.3	22.3	23.9	23.9	24.1	22.3	22.3
8/17/2012	19	21.1	21.2	22.1	23.7	23.7	23.8	22.4	22.1
8/17/2012	20	21.0	21.2	21.9	23.3	23.3	23.4	22.4	22.2
8/17/2012	21	20.9	21.0	21.7	22.9	22.9	23.1	22.3	22.0
8/17/2012	22	20.9	20.9	21.6	22.4	22.3	22.6	22.3	21.9

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/17/2012	23	20.7	20.6	21.5	21.8	21.8	22.0	22.2	22.0
8/17/2012	24	20.7	20.9	21.5	21.3	21.3	21.5	22.2	21.8
8/18/2012	1	20.6	20.6	21.4	21.0	20.9	21.1	22.2	21.9
8/18/2012	2	20.6	20.5	21.4	20.6	20.6	20.7	22.7	21.9
8/18/2012	3	20.5	20.4	21.4	20.4	20.3	20.4	22.7	21.8
8/18/2012	4	20.5	20.4	21.3	20.2	20.2	20.2	22.6	21.7
8/18/2012	5	20.4	20.3	21.3	20.1	20.0	20.0	22.5	21.7
8/18/2012	6	20.4	20.3	21.2	19.9	19.8	19.8	22.5	21.6
8/18/2012	7	20.4	20.2	21.2	19.8	19.7	19.7	22.4	21.6
8/18/2012	8	20.3	20.3	21.3	19.8	19.6	19.7	22.3	21.7
8/18/2012	9	20.4	20.4	21.5	19.9	19.7	19.8	21.2	20.8
8/18/2012	10	20.3	20.4	21.6	20.1	19.8	20.1	21.2	21.1
8/18/2012	11	20.3	20.5	21.9	20.3	20.0	20.4	21.3	21.1
8/18/2012	12	20.4	20.6	22.1	20.9	20.5	20.9	21.5	21.2
8/18/2012	13	20.5	20.9	22.3	21.7	21.3	21.6	21.7	21.3
8/18/2012	14	20.6	20.9	22.5	22.6	22.3	22.4	21.8	21.8
8/18/2012	15	20.7	20.9	22.5	23.1	22.9	23.1	21.9	22.0
8/18/2012	16	20.8	21.2	22.4	23.6	23.5	23.5	22.0	22.0
8/18/2012	17	20.9	20.9	22.3	23.8	23.8	24.0	22.1	22.1
8/18/2012	18	20.9	20.9	22.3	23.8	23.7	23.9	22.1	22.0
8/18/2012	19	20.9	20.9	22.1	23.6	23.5	23.7	22.1	22.1
8/18/2012	20	20.7	20.7	22.0	23.3	23.2	23.3	22.0	22.0
8/18/2012	21	20.6	20.6	21.8	22.9	22.8	23.0	21.9	21.7
8/18/2012	22	20.6	20.6	21.7	22.4	22.3	22.6	21.8	21.8
8/18/2012	23	20.5	20.5	21.6	21.9	21.8	22.1	21.9	21.8
8/18/2012	24	20.5	20.6	21.6	21.5	21.4	21.6	22.0	21.7
8/19/2012	1	20.5	20.4	21.5	21.1	21.1	21.2	22.0	21.7
8/19/2012	2	20.5	20.5	21.5	20.8	20.8	20.9	22.0	21.8
8/19/2012	3	20.5	20.5	21.4	20.6	20.5	20.6	22.0	21.7
8/19/2012	4	20.4	20.3	21.4	20.3	20.2	20.3	21.9	21.7
8/19/2012	5	20.4	20.3	21.4	20.1	20.1	20.1	21.8	21.6
8/19/2012	6	20.4	20.5	21.4	19.9	19.9	19.9	21.7	21.4
8/19/2012	7	20.3	20.5	21.4	19.8	19.7	19.8	21.6	21.6
8/19/2012	8	20.2	20.6	21.4	19.9	19.7	19.8	21.6	21.4
8/19/2012	9	20.2	20.5	21.5	19.8	19.7	19.7	21.5	21.4
8/19/2012	10	20.1	20.3	21.7	20.1	19.9	20.1	21.4	21.2
8/19/2012	11	20.0	20.1	21.8	20.2	19.9	20.1	21.4	21.2
8/19/2012	12	20.0	20.2	22.0	20.7	20.4	20.6	21.6	21.4
8/19/2012	13	20.6	21.0	22.2	21.3	21.0	21.3	21.7	21.8
8/19/2012	14	20.6	21.2	22.4	21.9	21.7	21.9	21.8	22.0
8/19/2012	15	20.9	21.4	22.4	22.5	22.3	22.5	21.9	22.0
8/19/2012	16	21.0	21.5	22.4	23.0	22.9	23.1	22.0	22.1
8/19/2012	17	21.0	21.2	22.3	23.3	23.3	23.4	22.2	22.3
8/19/2012	18	20.7	21.1	22.3	23.4	23.4	23.6	22.3	22.1
8/19/2012	19	20.5	20.7	22.2	23.3	23.3	23.4	22.2	21.7
8/19/2012	20	20.4	20.4	22.1	23.0	23.0	23.1	22.2	21.9

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/19/2012	21	20.4	20.3	21.9	22.7	22.6	22.7	22.2	21.8
8/19/2012	22	20.5	20.4	21.8	22.3	22.3	22.5	22.2	22.1
8/19/2012	23	20.3	20.4	21.7	22.0	21.9	22.1	22.2	21.7
8/19/2012	24	20.5	20.7	21.6	21.6	21.5	21.7	22.2	22.2
8/20/2012	1	20.8	21.1	21.6	21.2	21.1	21.3	22.6	22.4
8/20/2012	2	20.8	20.9	21.5	20.8	20.7	20.9	22.9	22.3
8/20/2012	3	21.0	21.2	21.5	20.5	20.4	20.5	23.0	22.3
8/20/2012	4	20.9	21.1	21.5	20.2	20.2	20.2	22.9	22.3
8/20/2012	5	21.0	21.0	21.5	20.0	19.9	20.0	22.9	22.2
8/20/2012	6	21.0	21.1	21.5	19.9	19.8	19.8	22.8	22.2
8/20/2012	7	21.6	21.9	21.5	19.8	19.7	19.7	22.5	22.4
8/20/2012	8	22.5	22.5	21.6	19.9	19.7	19.7	22.5	22.6
8/20/2012	9	22.7	22.8	21.7	20.1	19.9	19.9	22.7	22.8
8/20/2012	10	22.8	22.9	21.9	20.2	20.0	20.2	22.9	22.9
8/20/2012	11	23.0	23.1	22.1	20.5	20.2	20.5	23.0	23.0
8/20/2012	12	23.1	23.3	22.4	21.0	20.7	21.0	23.2	23.2
8/20/2012	13	23.2	23.4	22.9	21.6	21.3	21.5	23.3	23.3
8/20/2012	14	23.3	23.5	22.6	22.7	22.4	22.2	23.5	23.4
8/20/2012	15	23.4	23.5	22.7	23.3	23.1	23.1	23.6	23.5
8/20/2012	16	23.5	23.5	22.7	23.7	23.6	23.6	23.6	23.6
8/20/2012	17	23.4	23.4	22.6	23.8	23.8	23.9	23.6	23.6
8/20/2012	18	23.5	23.4	22.4	23.9	23.8	23.8	23.6	23.6
8/20/2012	19	23.5	23.5	22.3	23.6	23.6	23.6	23.6	23.6
8/20/2012	20	23.6	23.5	22.2	23.4	23.3	23.3	23.6	23.5
8/20/2012	21	23.6	23.5	22.1	22.9	22.9	22.9	23.7	23.5
8/20/2012	22	23.5	23.4	22.1	22.5	22.5	22.6	23.7	23.5
8/20/2012	23	23.5	23.4	22.0	22.1	22.1	22.3	23.9	23.4
8/20/2012	24	23.5	23.4	22.0	21.8	21.7	21.8	24.1	23.4
8/21/2012	1	23.5	23.4	22.0	21.5	21.5	21.5	24.2	23.3
8/21/2012	2	23.4	23.4	21.9	21.3	21.3	21.3	24.1	23.4
8/21/2012	3	23.4	23.3	21.9	21.1	21.1	21.1	24.0	23.3
8/21/2012	4	23.4	23.3	21.9	21.0	21.0	20.9	23.9	23.2
8/21/2012	5	23.4	23.3	21.9	20.9	20.9	20.8	23.8	23.2
8/21/2012	6	23.3	23.2	21.9	20.8	20.8	20.7	23.7	23.2
8/21/2012	7	23.3	23.2	21.9	20.8	20.7	20.7	23.6	23.3
8/21/2012	8	23.3	23.2	21.9	20.8	20.7	20.7	23.5	23.2
8/21/2012	9	23.2	23.3	22.0	21.0	20.8	20.9	23.4	23.2
8/21/2012	10	23.2	23.2	22.1	21.0	20.8	20.9	23.3	23.2
8/21/2012	11	23.2	23.2	22.2	21.2	21.0	21.1	23.2	23.2
8/21/2012	12	23.1	23.2	22.5	21.9	21.6	21.8	23.1	23.1
8/21/2012	13	22.3	22.4	22.7	22.4	22.1	22.4	23.0	22.8
8/21/2012	14	22.0	22.1	22.8	23.0	22.7	22.9	23.0	22.6
8/21/2012	15	21.8	21.8	22.9	23.5	23.4	23.5	22.9	22.6
8/21/2012	16	21.6	21.6	22.9	23.9	24.0	24.1	22.9	22.5
8/21/2012	17	21.5	21.6	22.8	24.3	24.4	24.4	22.9	22.6
8/21/2012	18	21.5	21.6	22.6	24.5	24.5	24.5	22.8	22.6

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/21/2012	19	21.7	22.0	22.4	24.1	24.2	24.1	22.9	22.8
8/21/2012	20	21.9	22.0	22.2	23.6	23.6	23.6	23.0	22.9
8/21/2012	21	22.0	22.0	21.9	23.0	23.0	23.0	23.2	23.0
8/21/2012	22	22.5	22.4	21.8	22.2	22.2	22.2	23.3	23.1
8/21/2012	23	22.7	22.6	21.7	21.5	21.5	21.6	23.5	23.0
8/21/2012	24	22.8	22.6	21.7	20.9	20.9	21.0	23.6	22.9
8/22/2012	1	22.8	22.7	21.7	20.5	20.4	20.5	23.5	22.9
8/22/2012	2	22.8	22.6	21.7	20.2	20.1	20.1	23.5	22.8
8/22/2012	3	22.8	22.6	21.7	19.9	19.9	19.8	23.5	22.8
8/22/2012	4	22.9	22.6	21.7	19.7	19.7	19.6	23.4	22.6
8/22/2012	5	22.8	22.6	21.7	19.6	19.6	19.5	23.4	22.5
8/22/2012	6	22.8	22.6	21.7	19.6	19.6	19.5	23.3	22.6
8/22/2012	7	22.8	22.6	21.7	19.6	19.5	19.4	23.2	22.7
8/22/2012	8	22.7	22.6	21.7	19.8	19.6	19.5	23.0	22.5
8/22/2012	9	22.6	22.5	21.9	20.0	19.7	19.7	22.8	22.5
8/22/2012	10	22.5	22.5	22.0	20.1	19.7	19.9	22.7	22.5
8/22/2012	11	22.5	22.5	22.2	20.4	20.0	20.2	22.7	22.5
8/22/2012	12	22.5	22.6	22.4	20.7	20.4	20.7	22.8	22.5
8/22/2012	13	22.5	22.6	22.6	21.6	21.2	21.3	22.8	22.5
8/22/2012	14	22.5	22.6	22.7	22.3	22.0	22.1	22.8	22.5
8/22/2012	15	22.6	22.7	22.8	22.8	22.7	22.8	22.9	22.6
8/22/2012	16	22.7	22.8	22.8	23.1	23.3	23.4	22.9	22.7
8/22/2012	17	22.8	22.8	22.7	23.6	23.7	23.7	23.0	22.8
8/22/2012	18	22.9	22.8	22.6	23.8	23.8	23.7	23.0	22.8
8/22/2012	19	22.9	22.8	22.4	23.6	23.7	23.6	23.0	22.8
8/22/2012	20	22.8	22.7	22.3	23.3	23.3	23.2	23.0	22.8
8/22/2012	21	22.8	22.7	22.1	22.8	22.8	22.8	23.0	22.8
8/22/2012	22	22.8	22.6	22.0	22.2	22.3	22.3	23.0	22.7
8/22/2012	23	22.7	22.6	21.9	21.7	21.7	21.8	23.1	22.7
8/22/2012	24	22.6	22.5	21.9	21.2	21.2	21.3	23.1	22.6
8/23/2012	1	22.6	22.4	21.8	20.8	20.8	20.8	23.1	22.4
8/23/2012	2	22.5	22.4	21.8	20.4	20.4	20.4	23.1	22.4
8/23/2012	3	22.5	22.3	21.7	20.1	20.1	20.1	23.1	22.3
8/23/2012	4	22.5	22.3	21.7	19.8	19.9	19.8	23.1	22.2
8/23/2012	5	22.4	22.2	21.7	19.7	19.7	19.6	23.1	22.2
8/23/2012	6	22.4	22.2	21.7	19.4	19.5	19.4	23.0	22.3
8/23/2012	7	22.3	22.1	21.7	19.4	19.3	19.2	22.8	22.3
8/23/2012	8	22.3	22.1	21.7	19.5	19.3	19.2	22.5	22.2
8/23/2012	9	22.2	22.1	21.8	19.7	19.3	19.4	22.4	22.0
8/23/2012	10	22.0	22.0	22.0	19.8	19.5	19.7	22.4	22.0
8/23/2012	11	22.0	22.0	22.2	20.1	19.7	20.0	22.4	22.0
8/23/2012	12	22.0	22.1	22.4	20.5	20.1	20.4	22.4	22.0
8/23/2012	13	22.0	22.2	22.6	21.2	20.8	20.9	22.4	22.1
8/23/2012	14	22.1	22.2	22.7	22.0	21.6	21.6	22.4	22.1
8/23/2012	15	22.1	22.2	22.7	22.3	22.2	22.2	22.4	22.2
8/23/2012	16	22.3	22.2	22.7	22.4	22.6	22.6	22.4	22.2

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/23/2012	17	22.3	22.2	22.6	22.6	22.8	22.7	22.4	22.3
8/23/2012	18	22.3	22.2	22.4	22.5	22.7	22.5	22.3	22.3
8/23/2012	19	22.3	22.1	22.2	22.3	22.4	22.1	22.3	22.2
8/23/2012	20	22.2	22.0	22.0	21.7	21.9	21.7	22.3	22.2
8/23/2012	21	22.2	22.0	21.9	21.3	21.3	21.2	22.2	22.1
8/23/2012	22	22.1	21.8	21.8	20.8	20.8	20.8	22.2	22.0
8/23/2012	23	22.0	21.7	21.7	20.2	20.2	20.2	22.2	21.9
8/23/2012	24	21.9	21.7	21.6	19.8	19.8	19.8	22.2	21.8
8/24/2012	1	21.9	21.6	21.6	19.5	19.4	19.4	22.4	21.7
8/24/2012	2	21.8	21.5	21.6	19.1	19.1	19.0	22.4	21.6
8/24/2012	3	21.7	21.5	21.6	18.8	18.8	18.7	22.3	21.4
8/24/2012	4	21.7	21.5	21.6	18.7	18.7	18.5	22.2	21.4
8/24/2012	5	21.7	21.4	21.6	18.6	18.6	18.4	22.2	21.4
8/24/2012	6	21.6	21.4	21.6	18.4	18.5	18.2	22.1	21.5
8/24/2012	7	21.6	21.4	21.6	18.4	18.4	18.2	22.0	21.5
8/24/2012	8	21.5	21.4	21.6	18.7	18.5	18.3	22.0	21.5
8/24/2012	9	21.5	21.4	21.8	19.0	18.6	18.6	21.9	21.4
8/24/2012	10	21.4	21.4	22.0	19.2	18.8	18.9	21.8	21.3
8/24/2012	11	21.4	21.4	22.2	19.4	19.1	19.3	21.8	21.4
8/24/2012	12	21.5	21.5	22.4	19.9	19.5	19.8	21.7	21.4
8/24/2012	13	21.5	21.6	22.5	20.8	20.3	20.4	21.7	21.5
8/24/2012	14	21.6	21.6	22.6	21.5	21.2	21.2	21.7	21.6
8/24/2012	15	21.7	21.7	22.7	22.1	21.8	22.0	21.8	21.7
8/24/2012	16	21.7	21.7	22.7	22.2	22.4	22.5	21.8	21.7
8/24/2012	17	21.8	21.7	22.6	22.5	22.7	22.8	21.9	21.7
8/24/2012	18	21.8	21.7	22.5	22.7	22.8	22.8	21.9	21.7
8/24/2012	19	21.8	21.7	22.3	22.5	22.6	22.6	21.9	21.7
8/24/2012	20	21.8	21.6	22.2	22.1	22.2	22.1	22.0	21.7
8/24/2012	21	21.8	21.6	22.0	21.7	21.8	21.8	22.0	21.7
8/24/2012	22	21.7	21.6	21.9	21.2	21.2	21.3	22.1	21.7
8/24/2012	23	21.7	21.5	21.8	20.7	20.7	20.9	22.1	21.7
8/24/2012	24	21.7	21.5	21.7	20.2	20.2	20.3	22.2	21.7
8/25/2012	1	21.6	21.4	21.7	19.7	19.8	19.8	22.2	21.5
8/25/2012	2	21.6	21.4	21.7	19.5	19.5	19.5	22.1	21.4
8/25/2012	3	21.6	21.4	21.7	19.2	19.3	19.2	22.1	21.3
8/25/2012	4	21.6	21.3	21.7	19.1	19.1	19.1	22.1	21.3
8/25/2012	5	21.5	21.3	21.7	19.0	19.0	18.9	22.0	21.2
8/25/2012	6	21.5	21.3	21.7	18.8	18.9	18.8	22.0	21.4
8/25/2012	7	21.5	21.2	21.6	18.8	18.8	18.7	22.0	21.4
8/25/2012	8	21.4	21.3	21.7	18.9	18.7	18.7	21.9	21.4
8/25/2012	9	21.4	21.3	21.8	19.2	18.8	18.8	21.9	21.4
8/25/2012	10	21.4	21.4	22.0	19.2	18.9	19.1	21.9	21.3
8/25/2012	11	21.4	21.4	22.2	19.5	19.2	19.4	21.8	21.3
8/25/2012	12	21.4	21.5	22.4	20.0	19.6	19.8	21.8	21.4
8/25/2012	13	21.4	21.5	22.6	20.7	20.3	20.5	21.8	21.4
8/25/2012	14	21.5	21.6	22.7	21.5	21.2	21.3	21.7	21.5

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/25/2012	15	21.5	21.7	22.8	22.1	21.9	22.0	21.7	21.6
8/25/2012	16	21.6	21.6	22.7	22.4	22.5	22.6	21.8	21.6
8/25/2012	17	21.6	21.6	22.7	22.8	22.9	23.0	21.8	21.7
8/25/2012	18	21.7	21.6	22.5	22.9	23.0	23.1	21.8	21.7
8/25/2012	19	21.7	21.6	22.4	22.7	22.8	22.8	21.8	21.7
8/25/2012	20	21.7	21.5	22.2	22.2	22.4	22.4	21.8	21.7
8/25/2012	21	21.6	21.5	22.1	21.9	22.0	22.0	21.9	21.6
8/25/2012	22	21.6	21.4	22.0	21.4	21.4	21.5	21.9	21.6
8/25/2012	23	21.6	21.4	21.9	20.8	20.8	21.0	21.8	21.6
8/25/2012	24	21.5	21.3	21.8	20.4	20.4	20.5	21.8	21.5
8/26/2012	1	21.5	21.3	21.8	19.9	20.0	20.1	21.7	21.4
8/26/2012	2	21.5	21.2	21.8	19.7	19.7	19.7	21.7	21.4
8/26/2012	3	21.4	21.2	21.7	19.4	19.5	19.4	21.6	21.3
8/26/2012	4	21.4	21.1	21.7	19.2	19.2	19.2	21.6	21.3
8/26/2012	5	21.3	21.1	21.7	19.1	19.1	19.0	21.5	21.2
8/26/2012	6	21.3	21.0	21.7	18.9	18.9	18.9	21.5	21.2
8/26/2012	7	21.2	21.0	21.7	18.8	18.8	18.7	21.4	21.2
8/26/2012	8	21.2	21.0	21.7	18.8	18.7	18.7	21.4	21.1
8/26/2012	9	21.2	21.1	21.8	19.0	18.8	18.8	21.3	21.1
8/26/2012	10	21.1	21.1	22.0	19.2	18.9	19.1	21.3	21.0
8/26/2012	11	21.1	21.1	22.2	19.5	19.2	19.4	21.2	21.0
8/26/2012	12	21.0	21.1	22.4	19.9	19.6	19.8	21.2	20.9
8/26/2012	13	20.9	21.0	22.6	20.6	20.3	20.5	21.1	20.9
8/26/2012	14	20.8	20.8	22.6	21.1	20.9	20.9	21.1	20.8
8/26/2012	15	20.7	20.7	22.6	21.7	21.6	21.5	21.1	20.8
8/26/2012	16	20.6	20.6	22.5	22.0	22.0	22.0	21.2	20.8
8/26/2012	17	20.6	20.6	22.4	22.2	22.1	22.3	21.2	20.9
8/26/2012	18	20.5	20.5	22.3	22.0	22.0	22.1	21.3	20.8
8/26/2012	19	20.5	20.5	22.2	21.9	21.8	21.9	21.3	20.9
8/26/2012	20	20.5	20.4	22.1	21.6	21.5	21.7	21.4	21.0
8/26/2012	21	20.5	20.5	22.1	21.2	21.2	21.3	21.4	21.0
8/26/2012	22	20.5	20.4	22.0	20.9	20.8	21.0	21.4	20.9
8/26/2012	23	20.4	20.4	21.9	20.6	20.5	20.7	21.5	20.9
8/26/2012	24	20.4	20.4	21.9	20.3	20.2	20.4	21.5	21.0
8/27/2012	1	20.4	20.3	21.9	20.1	20.0	20.1	21.5	20.6
8/27/2012	2	20.4	20.4	21.9	19.9	19.8	19.8	21.5	20.6
8/27/2012	3	20.5	20.4	21.9	19.6	19.6	19.5	21.5	20.8
8/27/2012	4	20.5	20.4	21.8	19.5	19.5	19.4	21.4	20.6
8/27/2012	5	20.6	20.4	21.8	19.4	19.4	19.2	21.3	20.6
8/27/2012	6	20.7	20.5	21.8	19.2	19.2	19.1	21.2	20.7
8/27/2012	7	20.8	20.7	21.7	19.2	19.1	19.0	21.2	20.8
8/27/2012	8	20.9	20.8	21.8	19.2	19.0	19.0	21.2	20.9
8/27/2012	9	21.0	20.9	21.9	19.3	19.1	19.2	21.3	20.9
8/27/2012	10	21.0	21.0	22.1	19.5	19.1	19.4	21.3	20.9
8/27/2012	11	21.0	21.1	22.3	19.6	19.3	19.7	21.3	21.0
8/27/2012	12	21.1	21.2	22.5	20.0	19.7	20.0	21.3	21.1

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/27/2012	13	21.1	21.3	22.7	20.8	20.5	20.7	21.4	21.1
8/27/2012	14	21.3	21.4	22.8	21.7	21.3	21.5	21.4	21.2
8/27/2012	15	21.4	21.5	22.8	22.3	22.1	22.2	21.4	21.3
8/27/2012	16	21.4	21.5	22.8	22.4	22.5	22.6	21.5	21.4
8/27/2012	17	21.5	21.4	22.7	22.6	22.8	22.8	21.5	21.4
8/27/2012	18	21.5	21.5	22.6	22.8	22.8	22.9	21.5	21.4
8/27/2012	19	21.5	21.4	22.4	22.6	22.6	22.6	21.5	21.5
8/27/2012	20	21.5	21.4	22.3	22.2	22.2	22.3	21.6	21.5
8/27/2012	21	21.5	21.4	22.2	21.9	21.8	21.9	21.6	21.4
8/27/2012	22	21.5	21.3	22.1	21.4	21.4	21.5	21.6	21.4
8/27/2012	23	21.4	21.3	22.0	20.9	20.9	21.0	21.6	21.4
8/27/2012	24	21.4	21.2	22.0	20.5	20.4	20.6	21.6	21.3
8/28/2012	1	21.3	21.2	22.0	20.1	20.1	20.2	21.6	21.3
8/28/2012	2	21.3	21.1	21.9	19.8	19.8	19.8	21.5	21.2
8/28/2012	3	21.3	21.1	21.9	19.7	19.7	19.6	21.5	21.2
8/28/2012	4	21.2	21.1	21.9	19.5	19.5	19.5	21.4	21.2
8/28/2012	5	21.2	21.0	21.9	19.4	19.4	19.4	21.4	21.2
8/28/2012	6	21.2	21.0	21.9	19.3	19.3	19.3	21.4	21.1
8/28/2012	7	21.1	21.0	21.9	19.3	19.2	19.2	21.4	21.1
8/28/2012	8	21.1	21.0	21.9	19.4	19.2	19.2	21.4	21.1
8/28/2012	9	21.1	21.1	22.1	19.5	19.3	19.4	21.4	21.1
8/28/2012	10	21.1	21.1	22.1	19.6	19.4	19.5	21.4	21.0
8/28/2012	11	21.0	21.1	22.3	20.0	19.7	19.9	21.4	21.0
8/28/2012	12	21.1	21.2	22.5	20.3	20.0	20.3	21.4	21.0
8/28/2012	13	21.0	21.0	22.6	20.8	20.6	20.8	21.4	21.0
8/28/2012	14	20.9	21.1	22.6	21.3	21.1	21.1	21.4	21.1
8/28/2012	15	20.9	21.0	22.6	21.7	21.6	21.5	21.4	21.1
8/28/2012	16	21.0	21.0	22.6	22.0	22.0	22.1	21.5	21.1
8/28/2012	17	21.1	21.1	22.6	22.1	22.1	22.3	21.5	21.2
8/28/2012	18	21.1	21.0	22.4	21.9	22.0	22.0	21.6	21.2
8/28/2012	19	21.1	21.0	22.3	21.7	21.7	21.6	21.6	21.2
8/28/2012	20	21.2	21.0	22.1	21.3	21.3	21.2	21.7	21.2
8/28/2012	21	21.2	21.0	22.0	20.9	20.9	20.8	21.7	21.2
8/28/2012	22	21.2	21.0	21.8	20.3	20.3	20.3	21.8	21.1
8/28/2012	23	21.1	21.0	21.7	19.9	19.9	19.9	21.8	20.9
8/28/2012	24	21.1	20.9	21.7	19.3	19.3	19.3	21.8	20.8
8/29/2012	1	21.1	20.9	21.7	18.9	18.9	18.8	21.7	20.7
8/29/2012	2	21.1	20.9	21.7	18.7	18.7	18.6	21.7	20.7
8/29/2012	3	21.0	20.8	21.7	18.6	18.6	18.4	21.7	20.6
8/29/2012	4	21.0	20.8	21.7	18.4	18.5	18.3	21.6	20.7
8/29/2012	5	20.9	20.7	21.7	18.4	18.5	18.3	21.6	20.6
8/29/2012	6	20.9	20.7	21.6	18.4	18.4	18.3	21.6	20.6
8/29/2012	7	20.9	20.7	21.7	18.4	18.4	18.2	21.5	20.6
8/29/2012	8	20.9	20.7	21.7	18.6	18.4	18.3	21.6	20.5
8/29/2012	9	20.8	20.8	21.9	18.8	18.5	18.5	21.6	20.5
8/29/2012	10	20.8	20.8	22.1	19.1	18.7	18.9	21.6	20.5



## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/29/2012	11	20.8	20.9	22.3	19.3	18.9	19.2	21.6	20.9
8/29/2012	12	20.9	21.0	22.5	19.8	19.3	19.6	21.6	20.8
8/29/2012	13	20.9	21.0	22.6	20.5	20.1	20.2	21.6	21.0
8/29/2012	14	20.9	21.0	22.8	21.3	20.8	20.9	21.6	21.0
8/29/2012	15	20.9	21.0	22.8	21.8	21.5	21.6	21.6	21.0
8/29/2012	16	21.0	21.0	22.8	21.9	22.0	22.1	21.6	21.1
8/29/2012	17	21.0	21.0	22.7	22.2	22.3	22.3	21.7	21.1
8/29/2012	18	21.0	20.9	22.5	22.2	22.2	22.2	21.7	21.1
8/29/2012	19	21.0	20.9	22.3	22.0	22.0	21.9	21.7	21.1
8/29/2012	20	21.0	20.9	22.2	21.6	21.6	21.5	21.8	21.1
8/29/2012	21	21.1	20.9	22.0	21.2	21.2	21.2	21.8	21.0
8/29/2012	22	21.1	20.9	21.9	20.7	20.7	20.7	21.8	20.9
8/29/2012	23	21.1	20.9	21.8	20.2	20.2	20.3	21.8	20.8
8/29/2012	24	21.0	20.8	21.7	19.8	19.7	19.8	21.8	20.8
8/30/2012	1	21.0	20.8	21.7	19.3	19.3	19.4	21.8	20.7
8/30/2012	2	21.0	20.8	21.7	19.0	19.0	19.0	21.7	20.7
8/30/2012	3	20.9	20.7	21.7	18.8	18.8	18.7	21.7	20.7
8/30/2012	4	20.9	20.7	21.7	18.6	18.6	18.5	21.7	20.7
8/30/2012	5	20.9	20.7	21.6	18.4	18.4	18.3	21.6	20.7
8/30/2012	6	20.9	20.6	21.7	18.3	18.3	18.2	21.6	20.6
8/30/2012	7	20.8	20.6	21.6	18.2	18.3	18.2	21.6	20.6
8/30/2012	8	20.8	20.6	21.7	18.4	18.2	18.2	21.6	20.6
8/30/2012	9	20.8	20.7	21.8	18.8	18.3	18.4	21.6	20.5
8/30/2012	10	20.8	20.7	22.0	18.9	18.5	18.7	21.6	20.6
8/30/2012	11	20.8	20.8	22.2	19.2	18.7	19.0	21.6	20.9
8/30/2012	12	20.8	20.9	22.4	19.6	19.0	19.3	21.6	20.8
8/30/2012	13	20.8	21.0	22.7	20.3	19.8	19.9	21.6	20.9
8/30/2012	14	20.9	21.0	22.8	21.1	20.6	20.7	21.6	20.9
8/30/2012	15	20.9	20.9	22.8	21.6	21.4	21.5	21.6	21.0
8/30/2012	16	20.9	20.9	22.8	21.8	22.0	22.1	21.7	21.0
8/30/2012	17	20.9	20.9	22.8	22.4	22.4	22.3	21.7	21.1
8/30/2012	18	20.9	20.9	22.6	22.6	22.5	22.6	21.7	21.1
8/30/2012	19	20.9	20.9	22.5	22.4	22.3	22.4	21.7	21.0
8/30/2012	20	20.9	20.8	22.3	22.0	21.9	22.0	21.7	21.0
8/30/2012	21	20.9	20.8	22.2	21.6	21.6	21.7	21.8	21.0
8/30/2012	22	20.9	20.8	22.1	21.1	21.1	21.2	21.8	20.9
8/30/2012	23	20.9	20.8	22.0	20.6	20.5	20.7	21.8	20.9
8/30/2012	24	21.0	20.8	21.9	20.2	20.1	20.2	21.8	20.9
8/31/2012	1	21.0	20.8	21.9	19.8	19.7	19.9	21.7	20.9
8/31/2012	2	21.0	20.8	21.9	19.5	19.5	19.5	21.7	20.8
8/31/2012	3	21.0	20.8	21.8	19.3	19.2	19.3	21.7	20.8
8/31/2012	4	21.0	20.8	21.8	19.1	19.1	19.1	21.7	20.7
8/31/2012	5	20.9	20.7	21.8	19.0	18.9	18.9	21.6	20.7
8/31/2012	6	20.9	20.7	21.8	18.8	18.8	18.8	21.6	20.7
8/31/2012	7	20.9	20.7	21.8	18.7	18.7	18.7	21.6	20.7
8/31/2012	8	20.9	20.7	21.9	18.8	18.7	18.7	21.6	20.7



## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
8/31/2012	9	20.9	20.7	21.9	18.9	18.7	18.7	21.7	20.6
8/31/2012	10	20.9	20.8	22.0	19.1	18.7	18.8	21.7	20.5
8/31/2012	11	20.9	20.8	22.2	19.6	19.0	19.1	21.7	20.8
8/31/2012	12	20.9	21.0	22.4	20.0	19.3	19.7	21.7	20.8
8/31/2012	13	20.9	21.0	22.7	20.5	19.7	20.1	21.7	20.9
8/31/2012	14	20.9	21.0	22.8	21.1	20.5	20.6	21.7	20.9
8/31/2012	15	20.9	21.0	22.9	21.5	21.2	21.3	21.7	21.0
8/31/2012	16	21.0	20.9	22.8	21.6	21.8	21.8	21.7	21.1
8/31/2012	17	21.0	20.9	22.8	21.9	22.1	22.1	21.8	21.1
8/31/2012	18	21.0	21.0	22.6	22.0	22.1	22.1	21.8	21.1
8/31/2012	19	21.1	20.9	22.4	21.9	21.9	21.7	21.8	21.1
8/31/2012	20	21.1	21.0	22.1	21.4	21.5	21.3	21.8	21.1
8/31/2012	21	21.1	21.0	22.0	20.9	20.9	20.9	21.8	21.0
8/31/2012	22	21.1	20.9	21.9	20.4	20.3	20.3	21.8	20.7
8/31/2012	23	21.1	20.9	21.8	19.8	19.7	19.7	21.8	20.8
8/31/2012	24	21.0	20.9	21.8	19.4	19.3	19.3	21.7	20.7
9/1/2012	1	21.0	20.8	21.8	19.1	19.1	19.0	21.7	20.6
9/1/2012	2	21.0	20.8	21.7	18.8	18.8	18.7	21.6	20.6
9/1/2012	3	21.0	20.7	21.7	18.7	18.7	18.5	21.6	20.6
9/1/2012	4	20.9	20.7	21.7	18.5	18.5	18.4	21.5	20.6
9/1/2012	5	20.9	20.7	21.6	18.3	18.4	18.3	21.5	20.6
9/1/2012	6	20.8	20.6	21.6	18.3	18.3	18.1	21.5	20.4
9/1/2012	7	20.8	20.6	21.6	18.2	18.2	18.0	21.5	20.5
9/1/2012	8	20.8	20.7	21.6	18.2	18.1	18.0	21.5	N/A
9/1/2012	9	20.8	20.7	21.8	18.6	18.2	18.1	21.5	N/A
9/1/2012	10	20.8	20.7	22.0	19.0	18.3	18.4	21.5	N/A
9/1/2012	11	20.8	20.8	22.2	19.2	18.5	18.7	21.5	N/A
9/1/2012	12	20.8	20.9	22.4	19.7	18.8	19.1	21.5	20.6
9/1/2012	13	20.8	20.9	22.6	20.3	19.5	19.7	21.5	20.6
9/1/2012	14	20.8	20.9	22.8	20.9	20.3	20.4	21.5	20.4
9/1/2012	15	20.8	20.9	22.8	21.2	21.0	21.1	21.5	21.0
9/1/2012	16	20.8	20.8	22.8	21.3	21.5	21.5	21.4	21.0
9/1/2012	17	20.8	20.8	22.7	21.7	21.8	21.7	21.4	21.0
9/1/2012	18	20.9	20.8	22.6	21.7	21.8	21.7	21.4	20.9
9/1/2012	19	20.8	20.7	22.3	21.6	21.6	21.4	21.4	20.9
9/1/2012	20	20.9	20.7	22.2	21.2	21.2	21.1	21.4	20.9
9/1/2012	21	20.9	20.7	22.0	20.9	20.9	20.9	21.4	20.8
9/1/2012	22	20.8	20.7	21.9	20.5	20.4	20.5	21.4	20.7
9/1/2012	23	20.8	20.7	21.8	20.0	19.9	20.1	21.4	20.6
9/1/2012	24	20.8	20.6	21.7	19.6	19.5	19.6	21.4	20.6
9/2/2012	1	20.8	20.6	21.7	19.2	19.1	19.2	21.4	20.5
9/2/2012	2	20.8	20.6	21.7	18.9	18.9	18.8	21.4	20.5
9/2/2012	3	20.7	20.6	21.7	18.7	18.7	18.7	21.4	N/A
9/2/2012	4	20.7	20.5	21.7	18.6	18.6	18.5	21.4	18.6
9/2/2012	5	20.7	20.5	21.7	18.5	18.5	18.4	21.4	20.3
9/2/2012	6	20.7	20.4	21.7	18.4	18.4	18.3	21.4	20.3

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
9/2/2012	7	20.6	20.4	21.7	18.3	18.3	18.2	21.5	18.1
9/2/2012	8	20.6	20.4	21.7	18.4	18.3	18.2	21.5	N/A
9/2/2012	9	20.6	20.5	21.8	18.8	18.4	18.4	21.5	N/A
9/2/2012	10	20.6	20.5	22.0	19.0	18.5	18.7	21.6	N/A
9/2/2012	11	20.6	20.6	22.2	19.3	18.7	19.0	21.6	18.9
9/2/2012	12	20.6	20.7	22.4	19.6	19.1	19.4	21.6	20.8
9/2/2012	13	20.6	20.7	22.6	20.1	19.7	19.9	21.6	21.6
9/2/2012	14	20.7	20.8	22.8	20.8	20.4	20.6	21.6	20.8
9/2/2012	15	20.7	20.8	22.8	21.4	21.1	21.2	21.5	20.8
9/2/2012	16	20.7	20.7	22.8	21.5	21.7	21.8	21.5	20.9
9/2/2012	17	20.7	20.7	22.8	21.9	22.0	22.1	21.4	20.9
9/2/2012	18	20.7	20.7	22.6	22.1	22.1	22.1	21.4	20.8
9/2/2012	19	20.8	20.7	22.4	22.1	22.0	22.0	21.3	20.8
9/2/2012	20	20.8	20.7	22.2	21.8	21.7	21.7	21.3	20.8
9/2/2012	21	20.8	20.6	22.1	21.4	21.4	21.4	21.2	20.8
9/2/2012	22	20.8	20.6	21.9	21.0	20.9	21.0	21.3	20.6
9/2/2012	23	20.8	20.6	21.8	20.5	20.3	20.5	21.3	20.6
9/2/2012	24	20.8	20.6	21.7	20.0	19.8	19.9	21.4	20.5
9/3/2012	1	20.8	20.6	21.7	19.5	19.4	19.5	21.4	20.5
9/3/2012	2	20.7	20.5	21.6	19.2	19.1	19.2	21.5	20.5
9/3/2012	3	20.7	20.5	21.7	18.9	18.8	18.8	21.5	20.4
9/3/2012	4	20.6	20.5	21.7	18.7	18.6	18.6	21.4	20.4
9/3/2012	5	20.6	20.4	21.7	18.5	18.5	18.4	21.4	20.4
9/3/2012	6	20.6	20.4	21.7	18.4	18.4	18.3	21.4	20.4
9/3/2012	7	20.6	20.3	21.7	18.4	18.3	18.2	21.4	20.3
9/3/2012	8	20.6	20.4	21.6	18.5	18.3	18.2	21.3	20.3
9/3/2012	9	20.5	20.5	21.8	18.9	18.4	18.5	21.3	20.3
9/3/2012	10	20.5	20.5	22.0	19.1	18.6	18.7	21.3	20.3
9/3/2012	11	20.5	20.6	22.3	19.3	18.7	19.1	21.3	20.5
9/3/2012	12	20.6	20.7	22.5	19.6	19.1	19.4	21.3	20.7
9/3/2012	13	20.6	20.7	22.7	20.3	19.8	20.0	21.3	20.7
9/3/2012	14	20.6	20.7	22.8	21.0	20.7	20.8	21.3	20.7
9/3/2012	15	20.6	20.7	22.9	21.7	21.4	21.5	21.3	20.7
9/3/2012	16	20.6	20.7	22.9	21.8	21.9	22.0	21.3	20.8
9/3/2012	17	20.6	20.6	22.8	22.1	22.2	22.3	21.3	20.8
9/3/2012	18	20.7	20.6	22.6	22.2	22.3	22.2	21.3	20.8
9/3/2012	19	20.6	20.6	22.3	22.1	22.0	22.0	21.4	20.8
9/3/2012	20	20.6	20.5	22.2	21.7	21.7	21.7	21.4	20.7
9/3/2012	21	20.7	20.6	22.0	21.3	21.2	21.3	21.5	20.7
9/3/2012	22	20.7	20.6	21.9	20.7	20.6	20.8	21.5	20.7
9/3/2012	23	20.7	20.5	21.9	20.3	20.2	20.3	21.5	20.7
9/3/2012	24	20.7	20.5	21.8	19.9	19.7	19.8	21.5	20.6
9/4/2012	1	20.6	20.5	21.8	19.5	19.4	19.4	21.5	20.6
9/4/2012	2	20.6	20.5	21.7	19.2	19.1	19.2	21.5	20.5
9/4/2012	3	20.6	20.4	21.7	19.0	18.9	18.9	21.5	20.5
9/4/2012	4	20.6	20.4	21.7	18.8	18.7	18.7	21.5	20.5

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
9/4/2012	5	20.6	20.4	21.7	18.7	18.6	18.6	21.5	20.4
9/4/2012	6	20.6	20.4	21.7	18.5	18.5	18.4	21.4	20.4
9/4/2012	7	20.6	20.4	21.7	18.4	18.4	18.3	21.2	20.6
9/4/2012	8	20.6	20.4	21.7	18.5	18.3	18.3	20.8	20.5
9/4/2012	9	20.4	20.2	21.8	18.9	18.4	18.5	20.7	20.3
9/4/2012	10	20.2	20.2	22.0	19.1	18.5	18.7	20.7	20.1
9/4/2012	11	20.1	20.1	22.3	19.3	18.7	19.0	20.6	20.0
9/4/2012	12	19.9	20.0	22.5	19.7	19.2	19.4	20.5	20.0
9/4/2012	13	20.0	20.1	22.7	20.4	19.8	20.0	20.4	20.0
9/4/2012	14	20.0	20.1	22.8	21.0	20.7	20.8	20.3	20.1
9/4/2012	15	20.1	20.2	22.8	21.6	21.4	21.5	20.3	20.2
9/4/2012	16	20.0	20.0	22.8	21.7	21.8	22.0	20.4	20.3
9/4/2012	17	20.1	20.1	22.7	22.0	22.1	22.2	20.5	20.5
9/4/2012	18	20.2	20.1	22.6	22.2	22.2	22.3	20.5	20.6
9/4/2012	19	20.2	20.1	22.4	22.1	22.0	22.1	20.6	20.5
9/4/2012	20	20.3	20.2	22.2	21.8	21.7	21.8	20.6	20.6
9/4/2012	21	20.4	20.3	22.0	21.4	21.3	21.4	20.7	20.5
9/4/2012	22	20.5	20.4	21.9	20.9	20.8	21.0	20.9	20.5
9/4/2012	23	20.5	20.3	21.9	20.4	20.3	20.5	21.1	20.4
9/4/2012	24	20.5	20.3	21.8	19.9	19.8	20.0	21.1	20.4
9/5/2012	1	20.5	20.3	21.8	19.6	19.5	19.6	21.1	20.3
9/5/2012	2	20.5	20.3	21.8	19.3	19.2	19.3	21.1	20.3
9/5/2012	3	20.5	20.3	21.8	19.1	19.0	19.0	21.1	20.3
9/5/2012	4	20.5	20.2	21.7	18.9	18.8	18.8	21.1	20.2
9/5/2012	5	20.4	20.2	21.7	18.7	18.7	18.6	21.1	20.2
9/5/2012	6	20.4	20.2	21.7	18.6	18.5	18.5	21.1	20.4
9/5/2012	7	20.4	20.2	21.7	18.5	18.4	18.3	20.7	20.3
9/5/2012	8	20.3	20.2	21.7	18.5	18.3	18.3	20.6	20.2
9/5/2012	9	20.3	20.2	21.8	18.7	18.3	18.4	20.6	20.2
9/5/2012	10	20.3	20.3	22.0	19.0	18.5	18.6	20.7	20.2
9/5/2012	11	20.3	20.4	22.2	19.2	18.7	19.0	20.7	20.3
9/5/2012	12	20.4	20.5	22.4	19.4	19.0	19.3	20.7	20.3
9/5/2012	13	20.5	20.6	22.7	20.2	19.7	19.9	20.7	20.4
9/5/2012	14	20.6	20.7	22.8	20.9	20.6	20.7	20.7	20.5
9/5/2012	15	20.7	20.7	22.8	21.4	21.2	21.4	20.8	20.6
9/5/2012	16	20.8	20.8	22.8	21.7	21.8	21.9	20.8	20.7
9/5/2012	17	20.8	20.8	22.8	22.1	22.2	22.3	20.9	20.7
9/5/2012	18	20.9	20.8	22.6	22.3	22.3	22.3	20.9	20.7
9/5/2012	19	20.9	20.8	22.4	22.2	22.1	22.2	21.0	20.7
9/5/2012	20	20.9	20.8	22.2	21.7	21.7	21.7	21.0	20.7
9/5/2012	21	20.9	20.7	22.0	21.3	21.2	21.2	21.1	20.7
9/5/2012	22	20.8	20.6	21.9	20.8	20.7	20.8	21.1	20.6
9/5/2012	23	20.7	20.5	21.8	20.2	20.1	20.2	21.2	20.5
9/5/2012	24	20.6	20.4	21.7	19.7	19.6	19.7	21.2	20.4
9/6/2012	1	20.5	20.3	21.7	19.3	19.2	19.3	21.3	20.4
9/6/2012	2	20.5	20.3	21.7	19.0	19.0	19.0	21.3	20.3

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
9/6/2012	3	20.4	20.2	21.7	18.9	18.8	18.7	21.3	20.3
9/6/2012	4	20.4	20.2	21.7	18.8	18.7	18.6	21.2	20.3
9/6/2012	5	20.4	20.2	21.7	18.7	18.7	18.6	21.1	20.3
9/6/2012	6	20.3	20.2	21.7	18.6	18.6	18.5	21.0	20.4
9/6/2012	7	20.3	20.1	21.6	18.6	18.5	18.4	20.8	20.2
9/6/2012	8	20.1	19.8	21.6	18.6	18.5	18.4	20.4	19.9
9/6/2012	9	19.5	19.3	21.8	18.9	18.6	18.6	20.1	19.4
9/6/2012	10	19.2	19.1	21.9	19.1	18.6	18.8	19.7	19.1
9/6/2012	11	19.0	18.9	22.2	19.2	18.8	19.1	19.4	18.9
9/6/2012	12	18.9	18.9	22.3	19.6	19.1	19.4	19.1	18.8
9/6/2012	13	18.8	18.8	22.5	20.2	19.7	19.9	19.1	18.7
9/6/2012	14	18.7	18.8	22.6	20.7	20.4	20.5	19.1	18.8
9/6/2012	15	18.7	18.7	22.6	21.1	21.0	21.1	19.2	18.8
9/6/2012	16	18.8	18.8	22.5	21.2	21.3	21.5	19.2	18.8
9/6/2012	17	18.7	18.6	22.4	21.5	21.5	21.7	19.2	18.8
9/6/2012	18	18.7	18.6	22.2	21.6	21.5	21.6	19.2	18.9
9/6/2012	19	18.7	18.5	22.0	21.4	21.3	21.3	19.2	18.9
9/6/2012	20	18.7	18.6	21.8	20.9	20.8	21.0	19.2	19.0
9/6/2012	21	18.8	18.7	21.6	20.5	20.4	20.6	19.4	19.0
9/6/2012	22	18.9	18.7	21.5	20.0	19.8	20.0	19.5	19.1
9/6/2012	23	18.8	18.6	21.4	19.4	19.3	19.5	19.7	19.3
9/6/2012	24	18.7	18.5	21.4	18.9	18.8	19.0	19.9	19.3
9/7/2012	1	18.7	18.5	21.3	18.5	18.4	18.5	20.0	19.4
9/7/2012	2	18.7	18.5	21.3	18.2	18.1	18.1	19.9	19.3
9/7/2012	3	18.7	18.5	21.3	17.9	17.8	17.8	19.9	19.3
9/7/2012	4	18.7	18.5	21.3	17.7	17.6	17.6	19.8	19.2
9/7/2012	5	18.7	18.5	21.2	17.5	17.5	17.4	19.8	19.2
9/7/2012	6	18.7	18.5	21.2	17.4	17.3	17.3	19.7	19.1
9/7/2012	7	19.1	18.8	21.2	17.2	17.2	17.1	19.4	19.2
9/7/2012	8	19.3	19.2	21.2	17.3	17.1	17.1	19.4	19.3
9/7/2012	9	19.5	19.4	21.4	17.6	17.2	17.2	19.5	19.3
9/7/2012	10	19.4	19.3	21.6	17.8	17.3	17.5	19.6	19.3
9/7/2012	11	19.3	19.3	21.8	18.0	17.5	17.8	19.7	19.4
9/7/2012	12	19.4	19.6	22.1	18.4	17.9	18.2	19.7	19.5
9/7/2012	13	19.6	19.8	22.4	19.2	18.6	18.8	19.8	19.6
9/7/2012	14	19.8	19.9	22.6	19.8	19.5	19.6	19.9	19.7
9/7/2012	15	19.9	20.1	22.7	20.5	20.3	20.4	20.0	19.8
9/7/2012	16	20.0	20.1	22.7	20.9	21.0	21.1	20.0	19.9
9/7/2012	17	20.1	20.1	22.6	21.4	21.5	21.5	20.1	20.0
9/7/2012	18	20.1	20.1	22.4	21.7	21.7	21.7	20.2	20.0
9/7/2012	19	20.2	20.1	22.2	21.6	21.5	21.6	20.3	20.1
9/7/2012	20	20.2	20.0	22.0	21.3	21.2	21.3	20.4	20.1
9/7/2012	21	20.2	20.0	21.9	20.9	20.8	21.0	20.4	20.1
9/7/2012	22	20.2	20.0	21.8	20.3	20.3	20.5	20.5	20.1
9/7/2012	23	20.1	20.0	21.7	19.9	19.8	20.0	20.6	20.0
9/7/2012	24	20.1	19.9	21.6	19.5	19.3	19.5	20.7	20.0

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
9/8/2012	1	20.1	19.9	21.6	19.0	18.9	19.1	20.8	19.9
9/8/2012	2	20.1	19.8	21.5	18.7	18.6	18.7	20.8	19.9
9/8/2012	3	20.0	19.8	21.5	18.5	18.4	18.4	20.8	19.9
9/8/2012	4	20.0	19.8	21.4	18.3	18.2	18.2	20.8	19.9
9/8/2012	5	20.0	19.7	21.4	18.1	18.1	18.0	20.7	19.9
9/8/2012	6	20.0	19.7	21.4	17.9	17.9	17.9	20.6	19.9
9/8/2012	7	19.9	19.7	21.3	17.8	17.8	17.7	20.4	19.8
9/8/2012	8	19.9	19.7	21.3	17.8	17.7	17.7	20.1	19.7
9/8/2012	9	19.8	19.7	21.5	18.2	17.8	17.8	20.0	19.7
9/8/2012	10	19.8	19.7	21.7	18.4	17.9	18.0	20.0	19.6
9/8/2012	11	19.7	19.8	22.0	18.5	18.1	18.3	20.0	19.7
9/8/2012	12	19.8	19.8	22.2	18.9	18.5	18.7	20.1	19.7
9/8/2012	13	19.8	19.8	22.4	19.6	19.2	19.3	20.1	19.7
9/8/2012	14	19.8	19.9	22.5	20.2	20.0	20.1	20.1	19.8
9/8/2012	15	19.8	19.9	22.5	20.7	20.6	20.6	20.1	19.8
9/8/2012	16	19.9	19.9	22.5	21.2	21.1	21.2	20.1	19.9
9/8/2012	17	19.9	19.9	22.4	21.4	21.4	21.4	20.2	20.0
9/8/2012	18	19.9	19.9	22.2	21.4	21.4	21.4	20.2	20.0
9/8/2012	19	19.9	19.9	22.1	21.3	21.2	21.3	20.3	20.0
9/8/2012	20	19.9	19.9	22.0	21.0	20.9	21.1	20.4	20.1
9/8/2012	21	20.0	19.9	21.9	20.7	20.6	20.8	20.5	20.1
9/8/2012	22	20.0	20.0	21.8	20.4	20.3	20.5	20.5	20.0
9/8/2012	23	20.0	19.9	21.8	20.2	20.1	20.2	20.6	20.1
9/8/2012	24	20.0	19.9	21.7	19.9	19.8	19.9	20.6	20.0
9/9/2012	1	20.0	19.9	21.7	19.7	19.6	19.7	20.7	20.0
9/9/2012	2	19.9	19.8	21.7	19.5	19.4	19.5	20.7	19.9
9/9/2012	3	19.9	19.8	21.7	19.4	19.3	19.3	20.8	20.0
9/9/2012	4	19.9	19.8	21.7	19.3	19.2	19.2	20.8	19.9
9/9/2012	5	19.9	19.8	21.7	19.2	19.2	19.2	20.8	20.0
9/9/2012	6	19.9	19.8	21.7	19.2	19.1	19.1	20.6	20.0
9/9/2012	7	19.9	19.8	21.7	19.2	19.1	19.1	20.5	19.9
9/9/2012	8	19.9	19.8	21.7	19.2	19.1	19.1	20.3	19.9
9/9/2012	9	19.9	19.9	21.7	19.2	19.1	19.1	20.2	19.9
9/9/2012	10	19.9	19.9	21.8	19.3	19.1	19.1	20.2	19.9
9/9/2012	11	20.0	20.0	22.1	19.7	19.4	19.6	20.2	19.9
9/9/2012	12	20.0	20.1	22.3	19.9	19.5	19.8	20.3	20.0
9/9/2012	13	20.0	20.1	22.4	20.1	19.7	19.9	20.3	20.0
9/9/2012	14	20.0	20.1	22.5	20.3	20.2	20.2	20.4	20.1
9/9/2012	15	20.0	20.1	22.5	20.7	20.7	20.7	20.4	20.1
9/9/2012	16	20.0	20.0	22.3	20.8	20.9	20.8	20.4	20.2
9/9/2012	17	20.1	20.0	22.2	20.9	20.9	20.9	20.5	20.2
9/9/2012	18	20.1	20.0	21.9	20.7	20.7	20.6	20.5	20.2
9/9/2012	19	20.1	19.9	21.7	20.4	20.3	20.2	20.5	20.1
9/9/2012	20	20.1	19.9	21.6	19.9	19.9	19.8	20.5	20.0
9/9/2012	21	20.1	19.9	21.5	19.4	19.4	19.4	20.5	20.0
9/9/2012	22	20.1	19.9	21.4	19.0	18.9	19.0	20.5	20.0

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
9/9/2012	23	20.0	19.9	21.4	18.7	18.6	18.6	20.5	19.7
9/9/2012	24	20.0	19.9	21.4	18.4	18.4	18.3	20.6	19.8
9/10/2012	1	20.0	19.8	21.4	18.3	18.2	18.1	20.6	19.4
9/10/2012	2	19.9	19.8	21.3	18.1	18.1	18.0	20.6	19.7
9/10/2012	3	19.9	19.7	21.3	18.1	18.0	17.9	20.6	19.6
9/10/2012	4	19.9	19.7	21.2	18.0	17.9	17.8	20.5	19.5
9/10/2012	5	19.8	19.7	21.2	17.9	17.8	17.8	20.5	19.6
9/10/2012	6	19.8	19.6	21.2	17.8	17.7	17.7	20.4	19.8
9/10/2012	7	19.8	19.5	21.2	17.6	17.6	17.5	20.2	19.7
9/10/2012	8	19.7	19.5	21.1	17.4	17.4	17.2	20.0	19.5
9/10/2012	9	19.5	19.3	21.1	17.6	17.4	17.3	19.8	19.3
9/10/2012	10	19.3	19.2	21.2	17.5	17.3	17.3	19.6	19.2
9/10/2012	11	19.2	19.1	21.4	17.5	17.2	17.3	19.4	19.1
9/10/2012	12	19.2	19.2	21.6	17.6	17.3	17.4	19.4	19.1
9/10/2012	13	19.1	19.1	21.7	17.9	17.6	17.5	19.3	19.1
9/10/2012	14	19.1	19.1	21.8	18.2	18.1	17.9	19.3	19.0
9/10/2012	15	19.1	19.1	21.8	18.5	18.6	18.4	19.3	19.0
9/10/2012	16	19.1	19.0	21.8	18.7	18.8	18.7	19.3	19.1
9/10/2012	17	19.1	19.0	21.7	18.9	19.0	18.8	19.3	19.1
9/10/2012	18	19.1	18.9	21.5	18.9	19.0	18.7	19.3	19.1
9/10/2012	19	19.1	18.8	21.2	18.6	18.7	18.5	19.3	19.0
9/10/2012	20	19.1	18.8	21.0	18.4	18.4	18.2	19.3	19.0
9/10/2012	21	19.0	18.7	20.9	18.1	18.1	18.0	19.4	19.0
9/10/2012	22	19.0	18.7	20.8	17.7	17.7	17.6	19.4	18.9
9/10/2012	23	19.0	18.7	20.7	17.3	17.2	17.2	19.4	18.9
9/10/2012	24	18.9	18.6	20.7	16.9	16.9	16.8	19.5	18.8
9/11/2012	1	18.9	18.6	20.7	16.6	16.6	16.6	19.6	18.9
9/11/2012	2	18.9	18.5	20.7	16.5	16.5	16.3	19.7	18.7
9/11/2012	3	18.8	18.5	20.7	16.5	16.4	16.2	19.7	18.9
9/11/2012	4	18.8	18.4	20.6	16.4	16.3	16.2	19.6	18.7
9/11/2012	5	18.8	18.4	20.6	16.3	16.2	16.1	19.5	18.7
9/11/2012	6	18.7	18.4	20.6	16.2	16.2	16.0	19.4	18.8
9/11/2012	7	18.7	18.3	20.6	16.0	16.0	15.9	19.1	18.5
9/11/2012	8	18.6	18.3	20.6	16.0	16.0	15.8	18.8	18.5
9/11/2012	9	18.5	18.3	20.7	16.3	16.0	16.0	18.7	18.3
9/11/2012	10	18.4	18.3	20.9	16.6	16.1	16.2	18.7	18.3
9/11/2012	11	18.4	18.3	21.2	16.7	16.3	16.5	18.7	18.3
9/11/2012	12	18.5	18.5	21.5	17.1	16.6	16.9	18.8	18.4
9/11/2012	13	18.5	18.6	21.7	17.7	17.2	17.4	18.8	18.5
9/11/2012	14	18.6	18.7	21.9	18.1	18.0	18.1	18.9	18.6
9/11/2012	15	18.7	18.7	21.9	18.7	18.7	18.7	18.9	18.7
9/11/2012	16	18.7	18.7	21.8	19.2	19.3	19.2	18.9	18.7
9/11/2012	17	18.8	18.7	21.7	19.6	19.6	19.6	19.0	18.7
9/11/2012	18	18.8	18.7	21.5	19.6	19.6	19.6	19.0	18.7
9/11/2012	19	18.8	18.6	21.2	19.4	19.4	19.4	19.1	18.7
9/11/2012	20	18.8	18.5	21.1	19.1	19.0	19.0	19.1	18.7



## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
9/11/2012	21	18.7	18.5	21.0	18.6	18.6	18.7	19.1	18.7
9/11/2012	22	18.7	18.5	20.8	18.2	18.1	18.2	19.2	18.7
9/11/2012	23	18.7	18.5	20.7	17.7	17.7	17.8	19.2	19.1
9/11/2012	24	18.7	18.4	20.7	17.4	17.3	17.4	19.3	18.7
9/12/2012	1	18.7	18.4	20.6	17.1	17.0	17.0	19.4	18.8
9/12/2012	2	18.6	18.3	20.6	16.8	16.8	16.8	19.5	18.9
9/12/2012	3	18.6	18.3	20.6	16.7	16.6	16.6	19.6	18.7
9/12/2012	4	18.6	18.3	20.5	16.5	16.5	16.4	19.5	18.8
9/12/2012	5	18.6	18.2	20.5	16.3	16.3	16.2	19.4	18.7
9/12/2012	6	18.5	18.2	20.4	16.2	16.2	16.1	19.3	18.7
9/12/2012	7	18.5	18.2	20.4	16.1	16.1	16.0	19.0	18.4
9/12/2012	8	18.5	18.2	20.4	16.0	16.0	15.9	18.7	18.4
9/12/2012	9	18.4	18.2	20.6	16.3	16.0	16.0	18.7	18.3
9/12/2012	10	18.4	18.2	20.7	16.5	16.1	16.2	18.7	18.3
9/12/2012	11	18.4	18.3	21.0	16.7	16.3	16.5	18.8	18.3
9/12/2012	12	18.4	18.4	21.2	17.1	16.6	16.9	18.8	18.4
9/12/2012	13	18.5	18.5	21.5	17.6	17.2	17.3	18.8	18.5
9/12/2012	14	18.6	18.6	21.7	18.1	17.9	18.0	18.8	18.5
9/12/2012	15	18.6	18.6	21.8	18.7	18.7	18.7	18.8	18.6
9/12/2012	16	18.7	18.6	21.8	19.3	19.3	19.3	18.8	18.7
9/12/2012	17	18.8	18.7	21.7	19.6	19.7	19.7	18.9	18.7
9/12/2012	18	18.8	18.7	21.4	19.8	19.8	19.7	19.0	18.7
9/12/2012	19	18.8	18.7	21.2	19.7	19.7	19.6	19.0	18.8
9/12/2012	20	18.8	18.6	21.0	19.3	19.3	19.4	19.1	18.8
9/12/2012	21	18.8	18.6	20.8	18.8	18.8	18.9	19.2	18.8
9/12/2012	22	18.8	18.5	20.7	18.2	18.3	18.4	19.2	18.7
9/12/2012	23	18.8	18.5	20.6	17.8	17.8	18.0	19.3	19.0
9/12/2012	24	18.7	18.5	20.5	17.4	17.4	17.5	19.4	19.3
9/13/2012	1	18.7	18.4	20.4	17.1	17.1	17.1	19.5	19.0
9/13/2012	2	18.7	18.4	20.3	16.8	16.8	16.8	19.6	18.8
9/13/2012	3	18.7	18.4	20.3	16.7	16.6	16.6	19.5	18.9
9/13/2012	4	18.6	18.3	20.2	16.5	16.4	16.4	19.5	18.8
9/13/2012	5	18.6	18.3	20.2	16.3	16.3	16.2	19.4	18.8
9/13/2012	6	18.6	18.3	20.2	16.2	16.2	16.1	19.3	18.7
9/13/2012	7	18.5	18.2	20.2	16.1	16.0	15.9	19.0	18.5
9/13/2012	8	18.5	18.2	20.2	16.0	16.0	15.9	18.8	18.4
9/13/2012	9	18.5	18.3	20.3	16.2	16.0	16.0	18.8	18.4
9/13/2012	10	18.4	18.3	20.5	16.3	16.1	16.2	18.8	18.4
9/13/2012	11	18.5	18.4	20.8	16.6	16.3	16.4	18.8	18.4
9/13/2012	12	18.5	18.5	21.1	17.0	16.6	16.8	18.9	18.5
9/13/2012	13	18.5	18.5	21.3	17.4	17.2	17.2	18.9	18.5
9/13/2012	14	18.6	18.7	21.6	18.1	17.9	18.0	18.9	18.6
9/13/2012	15	18.7	18.7	21.7	18.6	18.6	18.6	18.9	18.6
9/13/2012	16	18.7	18.7	21.7	19.2	19.2	19.2	18.9	18.7
9/13/2012	17	18.8	18.7	21.6	19.5	19.5	19.5	19.0	18.8
9/13/2012	18	18.8	18.7	21.3	19.8	19.7	19.6	19.1	18.8

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
9/13/2012	19	18.8	18.7	21.2	19.6	19.5	19.6	19.1	18.8
9/13/2012	20	18.8	18.7	21.0	19.2	19.2	19.3	19.2	18.8
9/13/2012	21	18.8	18.6	20.8	18.8	18.8	19.0	19.2	18.8
9/13/2012	22	18.8	18.6	20.7	18.5	18.4	18.6	19.3	18.8
9/13/2012	23	18.8	18.6	20.6	18.1	18.1	18.2	19.4	18.9
9/13/2012	24	18.8	18.5	20.5	17.7	17.7	17.8	19.5	18.8
9/14/2012	1	18.7	18.5	20.5	17.5	17.4	17.5	19.6	18.9
9/14/2012	2	18.7	18.5	20.4	17.2	17.2	17.2	19.6	18.8
9/14/2012	3	18.7	18.4	20.4	17.0	17.0	17.0	19.6	18.7
9/14/2012	4	18.7	18.4	20.3	16.9	16.8	16.8	19.5	18.7
9/14/2012	5	18.6	18.4	20.3	16.7	16.7	16.7	19.4	18.7
9/14/2012	6	18.6	18.4	20.3	16.6	16.6	16.5	19.4	18.7
9/14/2012	7	18.6	18.3	20.2	16.5	16.5	16.4	19.1	18.6
9/14/2012	8	18.6	18.3	20.3	16.5	16.4	16.4	18.9	18.5
9/14/2012	9	18.6	18.4	20.4	16.6	16.4	16.4	18.9	18.5
9/14/2012	10	18.5	18.4	20.6	16.7	16.5	16.6	18.9	18.5
9/14/2012	11	18.5	18.5	20.8	16.9	16.7	16.8	18.9	18.5
9/14/2012	12	18.5	18.5	21.0	17.2	17.0	17.1	18.9	18.5
9/14/2012	13	18.6	18.6	21.3	17.8	17.5	17.7	18.9	18.6
9/14/2012	14	18.6	18.6	21.5	18.3	18.1	18.2	18.9	18.6
9/14/2012	15	18.6	18.7	21.6	18.8	18.7	18.8	18.9	18.6
9/14/2012	16	18.7	18.7	21.6	19.2	19.2	19.3	19.0	18.7
9/14/2012	17	18.8	18.7	21.5	19.6	19.5	19.5	19.0	18.7
9/14/2012	18	18.8	18.7	21.3	19.7	19.7	19.6	19.1	18.8
9/14/2012	19	18.8	18.7	21.1	19.6	19.5	19.6	19.1	18.8
9/14/2012	20	18.8	18.7	20.9	19.3	19.3	19.4	19.2	18.8
9/14/2012	21	18.8	18.6	20.8	19.0	19.0	19.1	19.2	18.8
9/14/2012	22	18.8	18.6	20.7	18.7	18.7	18.7	19.3	18.7
9/14/2012	23	18.8	18.6	20.6	18.3	18.3	18.4	19.3	18.8
9/14/2012	24	18.7	18.6	20.5	18.0	17.9	18.0	19.4	18.8
9/15/2012	1	18.7	18.5	20.5	17.7	17.7	17.7	19.5	18.8
9/15/2012	2	18.7	18.5	20.4	17.5	17.5	17.5	19.6	18.7
9/15/2012	3	18.7	18.5	20.3	17.3	17.3	17.3	19.5	18.8
9/15/2012	4	18.7	18.4	20.3	17.2	17.1	17.1	19.5	18.7
9/15/2012	5	18.7	18.4	20.3	17.0	17.0	17.0	19.4	18.7
9/15/2012	6	18.6	18.4	20.2	16.9	16.9	16.8	19.3	18.7
9/15/2012	7	18.6	18.3	20.2	16.8	16.8	16.7	19.2	18.5
9/15/2012	8	18.6	18.4	20.2	16.8	16.7	16.7	18.9	18.5
9/15/2012	9	18.5	18.4	20.4	16.9	16.7	16.8	18.9	18.5
9/15/2012	10	18.5	18.4	20.6	17.0	16.8	16.9	18.9	18.5
9/15/2012	11	18.5	18.5	19.5	17.3	17.0	17.2	18.9	18.5
9/15/2012	12	18.5	18.5	19.3	18.4	18.2	17.9	18.9	18.5
9/15/2012	13	18.5	18.5	20.2	19.1	19.0	19.1	19.0	18.5
9/15/2012	14	18.6	18.6	20.3	19.3	19.2	19.3	19.0	18.6
9/15/2012	15	18.6	18.7	20.6	19.3	19.3	19.4	19.0	18.7
9/15/2012	16	18.7	18.7	20.8	19.5	19.4	19.5	19.0	18.7



## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
9/15/2012	17	18.8	18.8	20.9	19.4	19.3	19.4	19.0	18.8
9/15/2012	18	18.8	18.8	20.9	19.1	19.1	19.1	19.1	18.8
9/15/2012	19	18.8	18.8	21.0	18.9	18.9	18.9	19.1	18.8
9/15/2012	20	18.8	18.7	20.9	18.7	18.7	18.7	19.2	18.8
9/15/2012	21	18.7	18.7	20.9	18.6	18.5	18.6	19.2	18.7
9/15/2012	22	18.7	18.7	20.8	18.4	18.4	18.4	19.3	18.7
9/15/2012	23	18.7	18.6	20.8	18.3	18.2	18.3	19.3	18.8
9/15/2012	24	18.6	18.6	20.8	18.2	18.2	18.2	19.4	18.7
9/16/2012	1	18.6	18.6	20.8	18.2	18.1	18.1	19.4	18.7
9/16/2012	2	18.6	18.5	20.8	18.1	18.0	18.0	19.5	18.7
9/16/2012	3	18.6	18.5	20.8	18.0	17.9	18.0	19.6	18.7
9/16/2012	4	18.6	18.5	20.7	18.0	17.9	17.9	19.5	18.7
9/16/2012	5	18.6	18.5	20.7	17.9	17.8	17.8	19.4	18.7
9/16/2012	6	18.5	18.4	20.7	17.9	17.8	17.8	19.3	18.6
9/16/2012	7	18.5	18.4	20.7	17.8	17.7	17.7	19.2	18.5
9/16/2012	8	18.5	18.4	20.7	17.8	17.7	17.7	19.2	18.5
9/16/2012	9	18.4	18.4	20.8	17.9	17.8	17.8	19.1	18.4
9/16/2012	10	18.4	18.4	20.9	18.2	18.1	18.1	19.0	18.4
9/16/2012	11	18.4	18.4	20.9	18.5	18.4	18.4	18.9	18.4
9/16/2012	12	18.4	18.4	21.2	19.0	18.9	19.0	18.9	18.5
9/16/2012	13	18.5	18.5	21.2	19.4	19.3	19.4	18.9	18.6
9/16/2012	14	18.5	18.6	21.3	19.5	19.5	19.6	18.9	18.6
9/16/2012	15	18.6	18.6	21.3	19.6	19.6	19.7	19.0	18.7
9/16/2012	16	18.6	18.7	21.2	19.5	19.5	19.6	19.0	18.7
9/16/2012	17	18.7	18.7	21.2	19.3	19.2	19.4	19.1	18.7
9/16/2012	18	18.7	18.6	21.0	19.1	19.0	19.1	19.1	18.7
9/16/2012	19	18.6	18.6	21.0	18.9	18.8	18.9	19.1	18.7
9/16/2012	20	18.7	18.7	20.9	18.6	18.6	18.6	19.2	18.8
9/16/2012	21	18.8	18.7	20.8	18.4	18.4	18.4	19.3	18.8
9/16/2012	22	18.8	18.7	20.7	18.2	18.2	18.2	19.4	18.8
9/16/2012	23	18.8	18.7	20.7	18.2	18.1	18.1	19.5	18.7
9/16/2012	24	18.8	18.7	20.7	18.1	18.0	18.0	19.5	18.9
9/17/2012	1	18.7	18.7	20.6	18.1	18.0	18.0	19.5	18.7
9/17/2012	2	18.7	18.6	20.6	18.0	17.9	17.9	19.4	18.7
9/17/2012	3	18.7	18.6	20.6	17.9	17.8	17.8	19.4	18.7
9/17/2012	4	18.7	18.6	20.6	17.8	17.7	17.7	19.4	18.6
9/17/2012	5	18.6	18.6	20.6	17.7	17.7	17.7	19.4	18.6
9/17/2012	6	18.6	18.5	20.5	17.7	17.6	17.6	19.3	18.7
9/17/2012	7	18.6	18.5	20.5	17.6	17.6	17.6	19.2	18.6
9/17/2012	8	18.6	18.5	20.5	17.6	17.5	17.5	19.0	18.6
9/17/2012	9	18.5	18.5	20.7	17.7	17.6	17.6	18.9	18.5
9/17/2012	10	18.5	18.5	20.9	17.9	17.8	17.8	19.0	18.5
9/17/2012	11	18.6	18.6	21.1	18.2	18.1	18.2	19.0	18.6
9/17/2012	12	18.6	18.7	21.3	18.7	18.6	18.6	19.0	18.7
9/17/2012	13	18.7	18.7	21.5	19.3	19.1	19.2	19.1	18.7
9/17/2012	14	18.8	18.8	21.6	19.7	19.6	19.8	19.1	18.8

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
9/17/2012	15	18.9	18.9	21.6	20.1	20.0	20.1	19.2	18.9
9/17/2012	16	18.9	18.9	21.7	20.3	20.2	20.4	19.2	18.9
9/17/2012	17	19.0	19.0	21.6	20.4	20.3	20.5	19.2	19.0
9/17/2012	18	19.0	19.0	21.4	20.3	20.2	20.3	19.3	19.0
9/17/2012	19	19.1	19.0	21.2	20.0	20.0	20.1	19.4	19.0
9/17/2012	20	19.0	18.9	21.0	19.7	19.7	19.8	19.4	19.0
9/17/2012	21	19.0	18.9	20.8	19.3	19.3	19.4	19.5	19.0
9/17/2012	22	19.0	18.9	20.7	18.9	18.9	19.0	19.5	19.0
9/17/2012	23	19.0	18.8	20.6	18.5	18.4	18.6	19.6	18.9
9/17/2012	24	18.9	18.8	20.6	18.1	18.1	18.2	19.6	18.9
9/18/2012	1	18.9	18.7	20.5	17.8	17.8	17.8	19.7	18.9
9/18/2012	2	18.9	18.7	20.4	17.6	17.6	17.6	19.7	18.8
9/18/2012	3	18.9	18.7	20.4	17.4	17.4	17.3	19.8	18.8
9/18/2012	4	18.9	18.7	20.3	17.2	17.2	17.2	19.8	18.8
9/18/2012	5	18.8	18.6	20.3	17.1	17.1	17.0	19.7	18.8
9/18/2012	6	18.8	18.6	20.2	17.0	16.9	16.9	19.5	18.8
9/18/2012	7	18.8	18.5	20.2	16.9	16.8	16.7	19.4	18.8
9/18/2012	8	18.7	18.6	20.2	16.8	16.7	16.7	19.1	18.7
9/18/2012	9	18.7	18.6	20.2	16.9	16.7	16.7	19.1	18.7
9/18/2012	10	18.7	18.7	20.4	16.9	16.8	16.8	19.1	18.7
9/18/2012	11	18.7	18.7	20.6	17.2	17.0	17.1	19.1	18.7
9/18/2012	12	18.7	18.8	20.9	17.5	17.2	17.4	19.1	18.7
9/18/2012	13	18.7	18.8	21.1	18.0	17.7	17.8	19.1	18.8
9/18/2012	14	18.8	18.9	21.3	18.4	18.3	18.4	19.1	18.8
9/18/2012	15	18.8	18.9	21.4	19.0	18.9	18.9	19.1	18.8
9/18/2012	16	18.9	18.9	21.4	19.4	19.3	19.3	19.2	18.9
9/18/2012	17	19.0	19.0	21.3	19.8	19.7	19.7	19.2	18.9
9/18/2012	18	19.0	19.0	21.2	20.0	19.9	19.8	19.2	19.0
9/18/2012	19	19.1	19.0	20.9	19.8	19.8	19.8	19.3	19.0
9/18/2012	20	19.0	18.9	20.7	19.6	19.6	19.7	19.3	18.9
9/18/2012	21	19.0	18.9	20.5	19.3	19.3	19.4	19.4	18.9
9/18/2012	22	18.9	18.8	20.4	18.9	18.9	19.0	19.4	18.8
9/18/2012	23	18.9	18.7	20.3	18.5	18.4	18.6	19.5	18.8
9/18/2012	24	18.9	18.7	20.3	18.2	18.1	18.2	19.5	18.8
9/19/2012	1	18.8	18.7	20.2	17.9	17.8	17.9	19.5	18.8
9/19/2012	2	18.8	18.6	20.2	17.7	17.6	17.7	19.5	18.8
9/19/2012	3	18.8	18.6	20.1	17.5	17.5	17.4	19.5	18.7
9/19/2012	4	18.8	18.6	20.0	17.3	17.3	17.3	19.5	18.8
9/19/2012	5	18.7	18.5	20.0	17.2	17.2	17.1	19.5	18.7
9/19/2012	6	18.7	18.5	19.9	17.1	17.0	17.0	19.5	18.7
9/19/2012	7	18.7	18.5	19.9	16.9	16.9	16.8	19.2	18.6
9/19/2012	8	18.6	18.5	19.9	16.9	16.8	16.8	19.0	18.6
9/19/2012	9	18.5	18.4	20.0	17.0	16.8	16.9	19.0	18.5
9/19/2012	10	18.5	18.4	20.2	17.1	16.9	17.0	19.0	18.5
9/19/2012	11	18.5	18.5	20.5	17.3	17.1	17.2	19.0	18.5
9/19/2012	12	18.5	18.6	20.8	17.6	17.4	17.6	19.0	18.5

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
9/19/2012	13	18.6	18.7	21.1	18.1	17.8	18.0	19.0	18.6
9/19/2012	14	18.7	18.8	21.4	18.6	18.5	18.7	19.0	18.7
9/19/2012	15	18.7	18.8	21.5	19.2	19.2	19.2	19.1	18.7
9/19/2012	16	18.8	18.9	21.5	19.7	19.7	19.8	19.1	18.8
9/19/2012	17	19.0	19.0	21.3	20.2	20.2	20.1	19.2	19.0
9/19/2012	18	19.1	19.1	21.1	20.4	20.3	20.2	19.3	19.0
9/19/2012	19	19.1	19.0	20.8	20.2	20.2	20.2	19.3	19.0
9/19/2012	20	19.1	19.0	20.6	19.9	19.8	19.9	19.4	19.0
9/19/2012	21	19.1	18.9	20.5	19.4	19.4	19.6	19.5	19.0
9/19/2012	22	19.0	18.9	20.3	19.0	19.0	19.1	19.5	19.0
9/19/2012	23	19.0	18.8	20.3	18.5	18.5	18.7	19.6	18.9
9/19/2012	24	19.0	18.8	20.2	18.2	18.2	18.3	19.6	18.9
9/20/2012	1	18.9	18.8	20.1	17.9	17.9	17.9	19.6	18.9
9/20/2012	2	18.9	18.7	20.0	17.7	17.6	17.7	19.5	18.9
9/20/2012	3	18.9	18.7	20.0	17.5	17.4	17.4	19.5	18.8
9/20/2012	4	18.9	18.7	20.0	17.3	17.3	17.2	19.5	18.9
9/20/2012	5	18.9	18.7	19.9	17.2	17.1	17.1	19.5	18.7
9/20/2012	6	18.8	18.6	19.9	17.0	17.0	16.9	19.5	18.8
9/20/2012	7	18.8	18.6	19.9	16.9	16.9	16.8	19.4	18.8
9/20/2012	8	18.8	18.6	19.9	16.9	16.8	16.7	19.3	18.7
9/20/2012	9	18.7	18.6	20.0	17.0	16.9	16.9	19.2	18.6
9/20/2012	10	18.7	18.6	20.2	17.2	17.0	17.1	19.1	18.6
9/20/2012	11	18.7	18.7	20.5	17.4	17.1	17.3	19.0	18.7
9/20/2012	12	18.7	18.7	20.8	17.7	17.4	17.6	19.0	18.7
9/20/2012	13	18.7	18.8	21.0	19.8	17.9	18.0	19.1	18.7
9/20/2012	14	18.8	18.9	21.2	18.6	18.6	18.6	19.1	19.2
9/20/2012	15	18.8	19.0	21.3	19.1	19.1	19.2	19.2	18.8
9/20/2012	16	18.9	18.9	20.3	19.5	19.5	19.6	19.2	18.9
9/20/2012	17	19.0	19.0	20.0	19.8	19.8	19.8	19.3	19.0
9/20/2012	18	19.1	19.0	19.6	19.9	20.0	20.0	19.3	19.0
9/20/2012	19	19.1	19.0	19.2	19.8	19.8	19.9	19.4	19.0
9/20/2012	20	19.1	18.9	18.8	19.5	19.5	19.7	19.4	19.0
9/20/2012	21	19.1	18.9	18.5	19.1	19.2	19.3	19.5	19.0
9/20/2012	22	19.0	18.8	18.3	18.7	18.8	18.9	19.5	18.9
9/20/2012	23	19.0	18.8	18.2	18.4	18.4	18.6	19.6	N/A
9/20/2012	24	18.9	18.8	18.0	18.0	18.1	18.2	19.6	18.3
9/21/2012	1	18.9	18.7	17.9	17.8	17.9	17.9	19.5	18.8
9/21/2012	2	18.9	18.7	17.8	17.6	17.7	17.7	19.5	18.4
9/21/2012	3	18.9	18.7	17.7	17.5	17.5	17.5	19.5	N/A
9/21/2012	4	18.8	18.6	17.6	17.3	17.3	17.3	19.5	N/A
9/21/2012	5	18.8	18.6	17.6	17.2	17.2	17.2	19.5	N/A
9/21/2012	6	18.8	18.6	17.5	17.1	17.1	17.1	19.5	17.0
9/21/2012	7	18.8	18.5	17.4	16.9	17.0	17.0	19.4	18.7
9/21/2012	8	18.7	18.5	17.4	16.9	16.9	16.9	19.2	18.7
9/21/2012	9	18.7	18.5	17.7	17.0	17.0	17.0	19.1	18.7
9/21/2012	10	18.7	18.6	18.1	17.1	17.0	17.1	19.0	18.6

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
9/21/2012	11	18.7	18.6	18.5	17.2	17.2	17.3	19.0	18.7
9/21/2012	12	18.7	18.7	19.2	17.6	17.4	17.6	19.1	18.7
9/21/2012	13	18.7	18.7	19.7	18.0	17.9	18.1	19.1	18.7
9/21/2012	14	18.8	18.8	20.2	18.5	18.5	18.6	19.2	18.8
9/21/2012	15	18.9	18.9	20.3	19.0	19.1	19.2	19.2	18.9
9/21/2012	16	19.0	19.0	20.4	19.4	19.5	19.6	19.3	19.0
9/21/2012	17	19.0	19.0	20.1	19.7	19.8	19.8	19.3	19.0
9/21/2012	18	19.1	19.0	19.7	19.8	19.9	19.9	19.4	19.0
9/21/2012	19	19.1	19.0	19.2	19.7	19.8	19.8	19.4	19.0
9/21/2012	20	19.1	18.9	18.8	19.5	19.5	19.6	19.5	19.0
9/21/2012	21	19.0	18.9	18.5	19.2	19.2	19.3	19.5	19.0
9/21/2012	22	19.0	18.9	18.4	18.8	18.8	19.0	19.6	18.9
9/21/2012	23	19.0	18.8	18.2	18.5	18.5	18.6	19.6	N/A
9/21/2012	24	18.9	18.7	18.1	18.1	18.2	18.3	19.6	N/A
9/22/2012	1	18.9	18.7	18.0	17.9	17.9	18.0	19.6	N/A
9/22/2012	2	18.9	18.7	17.8	17.7	17.7	17.8	19.6	N/A
9/22/2012	3	18.9	18.7	17.7	17.5	17.6	17.6	19.7	N/A
9/22/2012	4	18.9	18.7	17.7	17.4	17.4	17.4	19.7	N/A
9/22/2012	5	18.8	18.6	17.6	17.2	17.3	17.3	19.7	N/A
9/22/2012	6	18.8	18.6	17.5	17.1	17.2	17.1	19.6	18.0
9/22/2012	7	18.8	18.6	17.5	17.0	17.1	17.0	19.4	18.7
9/22/2012	8	18.7	18.5	17.5	17.0	17.0	17.0	19.3	18.6
9/22/2012	9	18.7	18.5	17.7	17.0	17.0	17.1	19.2	18.6
9/22/2012	10	18.6	18.5	18.1	17.1	17.1	17.2	19.1	18.6
9/22/2012	11	18.6	18.6	18.5	17.3	17.2	17.4	19.0	18.6
9/22/2012	12	18.6	18.5	18.7	17.4	17.4	17.5	18.9	18.6
9/22/2012	13	18.6	18.6	18.9	17.7	17.7	17.7	18.9	18.6
9/22/2012	14	18.6	18.6	19.0	18.1	18.1	18.0	18.9	18.6
9/22/2012	15	18.6	18.6	19.0	18.4	18.4	18.3	18.9	18.6
9/22/2012	16	18.6	18.6	19.2	18.6	18.6	18.7	18.9	18.6
9/22/2012	17	18.6	18.6	19.3	18.7	18.7	18.8	18.9	18.6
9/22/2012	18	18.6	18.6	19.1	18.7	18.8	18.8	18.9	18.6
9/22/2012	19	18.6	18.5	18.9	18.8	18.9	18.8	18.9	18.6
9/22/2012	20	18.6	18.4	18.6	18.8	18.8	18.8	18.9	18.5
9/22/2012	21	18.5	18.4	18.4	18.6	18.7	18.7	18.9	18.5
9/22/2012	22	18.5	18.3	18.1	18.4	18.5	18.5	19.0	18.4
9/22/2012	23	18.5	18.3	18.0	18.2	18.2	18.3	19.1	N/A
9/22/2012	24	18.5	18.3	17.8	17.9	18.0	18.0	19.1	N/A
9/23/2012	1	18.4	18.2	17.7	17.7	17.8	17.8	19.1	N/A
9/23/2012	2	18.4	18.2	17.7	17.6	17.6	17.6	19.1	N/A
9/23/2012	3	18.4	18.2	17.6	17.4	17.4	17.4	19.1	N/A
9/23/2012	4	18.4	18.2	17.5	17.3	17.3	17.2	19.2	17.3
9/23/2012	5	18.3	18.1	17.4	17.2	17.2	17.2	19.2	N/A
9/23/2012	6	18.3	18.1	17.3	17.0	17.1	17.0	19.2	N/A
9/23/2012	7	18.3	18.1	17.2	16.9	17.0	16.9	19.2	17.4
9/23/2012	8	18.3	18.1	17.2	16.9	16.9	16.9	19.2	N/A

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
9/23/2012	9	18.3	18.1	17.4	16.9	16.9	16.9	19.3	17.9
9/23/2012	10	18.3	18.2	17.7	17.0	16.9	17.0	19.3	18.2
9/23/2012	11	18.3	18.2	18.2	17.1	17.0	17.2	19.4	18.3
9/23/2012	12	18.3	18.3	18.8	17.4	17.3	17.4	19.4	18.0
9/23/2012	13	18.3	18.3	19.3	17.7	17.6	17.8	19.4	18.3
9/23/2012	14	18.3	18.3	19.7	18.1	18.1	18.3	19.5	19.0
9/23/2012	15	18.3	18.3	20.0	18.6	18.6	18.7	19.5	19.3
9/23/2012	16	18.3	18.2	20.0	19.0	19.1	19.1	19.5	N/A
9/23/2012	17	18.3	18.2	19.8	19.4	19.4	19.4	19.4	N/A
9/23/2012	18	18.3	18.2	19.3	19.6	19.6	19.5	19.4	N/A
9/23/2012	19	18.3	18.2	18.9	19.5	19.5	19.5	19.4	19.3
9/23/2012	20	18.3	18.2	18.5	19.3	19.3	19.4	19.4	18.8
9/23/2012	21	18.3	18.2	18.2	18.9	19.0	19.1	19.4	17.9
9/23/2012	22	18.3	18.1	17.9	18.6	18.6	18.7	19.3	18.4
9/23/2012	23	18.3	18.1	17.8	18.2	18.2	18.4	19.3	18.4
9/23/2012	24	18.3	18.1	17.7	17.8	17.9	18.0	19.3	18.4
9/24/2012	1	18.3	18.1	17.5	17.6	17.6	17.7	19.2	N/A
9/24/2012	2	18.3	18.1	17.4	17.4	17.4	17.5	19.2	N/A
9/24/2012	3	18.3	18.1	17.4	17.2	17.2	17.2	19.1	N/A
9/24/2012	4	18.3	18.1	17.3	17.1	17.1	17.1	19.1	N/A
9/24/2012	5	18.3	18.1	17.2	17.0	17.0	17.0	19.0	N/A
9/24/2012	6	18.3	18.1	17.2	16.9	16.9	16.9	19.0	N/A
9/24/2012	7	18.3	18.1	17.2	16.8	16.8	16.8	18.9	18.3
9/24/2012	8	18.3	18.1	17.2	16.7	16.8	16.7	18.8	18.2
9/24/2012	9	18.2	18.1	17.3	16.8	16.8	16.8	18.8	18.1
9/24/2012	10	18.1	18.0	17.7	16.9	16.8	16.9	18.7	18.1
9/24/2012	11	18.1	18.1	18.2	17.1	17.0	17.2	18.6	18.1
9/24/2012	12	18.1	18.1	18.7	17.3	17.2	17.4	18.5	18.1
9/24/2012	13	18.2	18.2	19.2	17.7	17.6	17.7	18.5	18.2
9/24/2012	14	18.2	18.2	19.6	18.1	18.1	18.2	18.5	18.2
9/24/2012	15	18.3	18.3	19.8	18.5	18.6	18.7	18.5	18.2
9/24/2012	16	18.3	18.3	19.8	19.0	19.0	19.0	18.6	18.3
9/24/2012	17	18.4	18.3	19.5	19.3	19.3	19.2	18.6	18.3
9/24/2012	18	18.5	18.4	19.2	19.4	19.4	19.4	18.6	18.4
9/24/2012	19	18.5	18.4	18.8	19.3	19.3	19.4	18.7	18.4
9/24/2012	20	18.5	18.3	18.5	19.1	19.1	19.2	18.7	18.4
9/24/2012	21	18.5	18.3	18.2	18.8	18.9	19.0	18.8	18.3
9/24/2012	22	18.4	18.3	18.1	18.5	18.5	18.7	18.8	18.3
9/24/2012	23	18.4	18.3	17.9	18.2	18.2	18.4	18.9	18.3
9/24/2012	24	18.4	18.2	17.8	17.9	18.0	18.1	18.9	N/A
9/25/2012	1	18.3	18.2	17.7	17.7	17.8	17.8	18.9	N/A
9/25/2012	2	18.3	18.2	17.7	17.6	17.6	17.7	18.9	N/A
9/25/2012	3	18.3	18.2	17.6	17.4	17.5	17.5	18.9	N/A
9/25/2012	4	18.3	18.2	17.6	17.3	17.4	17.4	18.9	N/A
9/25/2012	5	18.3	18.1	17.5	17.2	17.2	17.2	18.9	N/A
9/25/2012	6	18.2	18.1	17.4	17.1	17.2	17.1	18.9	18.2

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
9/25/2012	7	18.2	18.0	17.3	17.1	17.1	17.1	18.8	18.2
9/25/2012	8	18.2	18.0	17.3	17.0	17.0	17.0	18.7	18.2
9/25/2012	9	18.2	18.1	17.5	17.0	17.0	17.0	18.6	18.2
9/25/2012	10	18.2	18.1	17.9	17.2	17.1	17.2	18.6	18.2
9/25/2012	11	18.2	18.2	18.4	17.3	17.2	17.5	18.6	18.3
9/25/2012	12	18.3	18.3	18.9	17.4	17.3	17.7	18.7	18.3
9/25/2012	13	18.3	18.4	19.4	17.9	17.7	17.9	18.7	18.3
9/25/2012	14	18.3	18.4	19.9	18.2	18.3	18.5	18.7	18.4
9/25/2012	15	18.4	18.4	20.2	18.7	18.8	18.9	18.8	18.4
9/25/2012	16	18.5	18.4	20.1	19.1	19.2	19.3	18.8	18.5
9/25/2012	17	18.5	18.5	19.8	19.5	19.6	19.6	18.8	18.5
9/25/2012	18	18.6	18.5	19.3	19.6	19.7	19.6	18.9	18.6
9/25/2012	19	18.6	18.4	18.9	19.5	19.5	19.6	19.0	18.6
9/25/2012	20	18.6	18.4	18.4	19.2	19.2	19.3	19.0	18.6
9/25/2012	21	18.6	18.4	18.0	18.8	18.8	19.0	19.1	18.6
9/25/2012	22	18.6	18.4	17.8	18.4	18.4	18.6	19.1	18.5
9/25/2012	23	18.6	18.4	17.6	18.0	18.0	18.1	19.2	N/A
9/25/2012	24	18.5	18.3	17.5	17.6	17.6	17.7	19.2	N/A
9/26/2012	1	18.5	18.3	17.4	17.3	17.3	17.4	19.2	N/A
9/26/2012	2	18.5	18.3	17.3	17.1	17.1	17.2	19.1	N/A
9/26/2012	3	18.5	18.2	17.2	16.9	17.0	17.0	19.1	N/A
9/26/2012	4	18.5	18.2	17.1	16.8	16.8	16.8	19.1	N/A
9/26/2012	5	18.4	18.2	17.1	16.7	16.7	16.7	19.1	N/A
9/26/2012	6	18.4	18.2	17.0	16.6	16.6	16.6	19.0	16.7
9/26/2012	7	18.4	18.1	16.9	16.4	16.5	16.5	19.0	18.3
9/26/2012	8	18.3	18.1	16.9	16.4	16.4	16.4	18.9	18.3
9/26/2012	9	18.3	18.1	17.2	16.6	16.5	16.5	18.8	18.2
9/26/2012	10	18.3	18.2	17.7	16.7	16.5	16.7	18.7	18.2
9/26/2012	11	18.3	18.2	18.3	16.9	16.7	16.9	18.6	18.2
9/26/2012	12	18.3	18.3	19.0	17.1	16.9	17.2	18.6	18.3
9/26/2012	13	18.3	18.3	19.5	17.4	17.4	17.5	18.7	18.3
9/26/2012	14	18.4	18.4	20.0	18.0	18.2	18.2	18.7	18.4
9/26/2012	15	18.5	18.5	20.2	18.7	18.8	18.9	18.8	18.5
9/26/2012	16	18.5	18.5	20.2	19.2	19.3	19.3	18.8	18.6
9/26/2012	17	18.6	18.6	19.9	19.6	19.6	19.6	18.9	18.6
9/26/2012	18	18.6	18.6	19.4	19.7	19.8	19.7	18.9	18.6
9/26/2012	19	18.6	18.5	18.9	19.6	19.6	19.7	19.0	18.6
9/26/2012	20	18.6	18.5	18.5	19.3	19.3	19.4	19.0	18.6
9/26/2012	21	18.6	18.4	18.1	18.8	18.9	19.1	19.1	18.6
9/26/2012	22	18.6	18.5	17.9	18.5	18.5	18.7	19.2	18.6
9/26/2012	23	18.6	18.4	17.8	18.1	18.1	18.3	19.2	N/A
9/26/2012	24	18.6	18.4	17.7	17.7	17.8	17.9	19.2	N/A
9/27/2012	1	18.6	18.4	17.6	17.5	17.5	17.6	19.2	N/A
9/27/2012	2	18.6	18.3	17.5	17.3	17.3	17.4	19.2	N/A
9/27/2012	3	18.5	18.3	17.4	17.1	17.2	17.2	19.2	N/A
9/27/2012	4	18.5	18.2	17.2	17.0	17.0	17.0	19.1	N/A

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
9/27/2012	5	18.5	18.2	17.2	16.9	16.9	16.9	19.1	N/A
9/27/2012	6	18.5	18.2	17.1	16.7	16.8	16.7	19.1	16.4
9/27/2012	7	18.4	18.2	17.0	16.6	16.6	16.6	19.0	18.4
9/27/2012	8	18.4	18.2	17.0	16.5	16.5	16.5	18.9	18.3
9/27/2012	9	18.4	18.2	17.2	16.6	16.5	16.5	18.8	18.3
9/27/2012	10	18.3	18.2	17.7	16.8	16.6	16.7	18.7	18.3
9/27/2012	11	18.4	18.3	18.2	16.9	16.7	16.9	18.7	18.3
9/27/2012	12	18.4	18.4	19.0	17.1	17.0	17.2	18.7	18.4
9/27/2012	13	18.4	18.5	19.7	17.6	17.4	17.6	18.8	18.4
9/27/2012	14	18.5	18.5	20.2	18.0	18.1	18.2	18.8	18.5
9/27/2012	15	18.6	18.6	20.4	18.7	18.8	18.9	18.9	18.6
9/27/2012	16	18.6	18.6	20.3	19.2	19.3	19.4	18.9	18.6
9/27/2012	17	18.7	18.6	20.0	19.7	19.7	19.7	18.9	18.7
9/27/2012	18	18.7	18.6	19.5	19.9	19.9	19.8	19.0	18.7
9/27/2012	19	18.7	18.5	19.0	19.7	19.7	19.8	19.0	18.7
9/27/2012	20	18.7	18.5	18.6	19.3	19.4	19.5	19.1	18.7
9/27/2012	21	18.6	18.5	18.2	19.0	19.0	19.2	19.1	18.6
9/27/2012	22	18.6	18.4	18.0	18.5	18.6	18.8	19.2	18.6
9/27/2012	23	18.6	18.4	17.8	18.2	18.2	18.3	19.2	N/A
9/27/2012	24	18.6	18.4	17.7	17.8	17.8	18.0	19.2	N/A
9/28/2012	1	18.6	18.3	17.6	17.5	17.5	17.6	19.2	N/A
9/28/2012	2	18.5	18.3	17.5	17.2	17.3	17.3	19.2	N/A
9/28/2012	3	18.5	18.3	17.4	17.1	17.1	17.1	19.2	N/A
9/28/2012	4	18.5	18.2	17.3	16.9	17.0	16.9	19.1	N/A
9/28/2012	5	18.5	18.2	17.2	16.8	16.8	16.8	19.1	N/A
9/28/2012	6	18.5	18.2	17.1	16.6	16.7	16.7	19.1	N/A
9/28/2012	7	18.4	18.2	17.1	16.6	16.6	16.5	19.1	17.9
9/28/2012	8	18.4	18.2	17.1	16.5	16.5	16.5	19.0	17.8
9/28/2012	9	18.3	18.2	17.3	16.6	16.5	16.5	19.0	17.1
9/28/2012	10	18.3	18.2	17.7	16.7	16.6	16.7	18.9	17.8
9/28/2012	11	18.4	18.3	18.3	16.9	16.7	17.0	18.9	18.3
9/28/2012	12	18.4	18.3	18.9	17.1	17.0	17.2	18.9	18.3
9/28/2012	13	18.4	18.4	19.1	17.4	17.3	17.3	18.8	18.4
9/28/2012	14	18.4	18.4	19.2	18.0	17.9	17.8	18.8	18.4
9/28/2012	15	18.4	18.4	19.2	18.4	18.4	18.4	18.7	18.4
9/28/2012	16	18.4	18.4	19.1	18.7	18.7	18.6	18.7	18.4
9/28/2012	17	18.4	18.4	19.0	18.8	18.8	18.8	18.7	18.4
9/28/2012	18	18.4	18.3	18.7	18.8	18.9	18.9	18.7	18.4
9/28/2012	19	18.4	18.3	18.5	18.7	18.7	18.8	18.7	18.4
9/28/2012	20	18.4	18.3	18.3	18.6	18.6	18.7	18.7	18.4
9/28/2012	21	18.4	18.3	18.1	18.3	18.4	18.4	18.7	18.3
9/28/2012	22	18.4	18.2	17.9	18.1	18.2	18.2	18.7	18.3
9/28/2012	23	18.4	18.2	17.8	17.9	17.9	18.0	18.8	N/A
9/28/2012	24	18.3	18.2	17.7	17.7	17.7	17.7	19.2	N/A
9/29/2012	1	18.3	18.2	17.6	17.5	17.5	17.6	19.2	N/A
9/29/2012	2	18.3	18.1	17.6	17.3	17.3	17.4	19.2	N/A

## 2012 3rd Quarter Hourly Temperature Data

Date	Hour	Low Level Outlet Pipe -Auto- (Deg. C)	Top of Reach 1 -Logger- (Deg. C)	End of Reach 1 -Logger- (Deg. C)	End of Reach 3 -Logger- (Deg. C)	Top of R4 Habitat Channel -Logger- (Deg. C)	End of R4 Habitat Channel -Logger- (Deg. C)	Tailrace at Pump Intake -Auto- (Deg. C)	Tailrace at Pump Intake -Logger- (Deg. C)
9/29/2012	3	18.3	18.1	17.6	17.2	17.2	17.2	19.1	N/A
9/29/2012	4	18.3	18.1	17.5	17.1	17.2	17.2	19.1	N/A
9/29/2012	5	18.2	18.1	17.5	17.1	17.1	17.1	19.0	N/A
9/29/2012	6	18.2	18.1	17.4	17.0	17.0	17.0	19.0	N/A
9/29/2012	7	18.2	18.0	17.3	17.0	17.0	16.9	18.8	18.2
9/29/2012	8	18.2	18.0	17.4	16.9	16.9	16.9	18.5	18.2
9/29/2012	9	18.2	18.1	17.7	17.0	17.0	17.0	18.5	18.1
9/29/2012	10	18.1	18.1	18.1	17.2	17.0	17.2	18.5	18.1
9/29/2012	11	18.2	18.2	18.7	17.4	17.2	17.4	18.6	18.2
9/29/2012	12	18.2	18.3	19.3	17.7	17.5	17.7	18.6	18.2
9/29/2012	13	18.3	18.3	19.7	18.0	17.9	18.1	18.6	18.3
9/29/2012	14	18.3	18.4	19.9	18.5	18.5	18.5	18.7	18.3
9/29/2012	15	18.4	18.4	19.9	18.9	19.0	18.9	18.7	18.4
9/29/2012	16	18.4	18.4	19.8	19.2	19.3	19.3	18.7	18.4
9/29/2012	17	18.4	18.3	19.3	19.4	19.4	19.3	18.7	18.4
9/29/2012	18	18.4	18.3	19.0	19.4	19.4	19.4	18.8	18.4
9/29/2012	19	18.4	18.3	18.6	19.2	19.2	19.2	18.8	18.4
9/29/2012	20	18.4	18.3	18.3	19.0	19.0	19.0	18.8	18.4
9/29/2012	21	18.4	18.2	18.0	18.6	18.7	18.7	18.9	18.3
9/29/2012	22	18.3	18.2	17.7	18.2	18.2	18.4	18.9	18.3
9/29/2012	23	18.3	18.1	17.5	17.8	17.9	18.0	18.9	N/A
9/29/2012	24	18.3	18.1	17.4	17.5	17.6	17.6	19.0	N/A
9/30/2012	1	18.3	18.1	17.2	17.2	17.3	17.3	19.0	N/A
9/30/2012	2	18.2	18.0	17.1	17.0	17.0	17.0	19.1	N/A
9/30/2012	3	18.2	18.0	16.9	16.8	16.8	16.7	19.1	N/A
9/30/2012	4	18.2	18.0	16.8	16.6	16.6	16.6	19.0	N/A
9/30/2012	5	18.1	17.9	16.8	16.3	16.4	16.4	19.0	N/A
9/30/2012	6	18.1	17.9	16.8	16.2	16.3	16.2	18.9	N/A
9/30/2012	7	18.1	17.8	16.8	16.1	16.2	16.1	18.7	18.0
9/30/2012	8	18.0	17.8	16.7	16.1	16.1	16.0	18.4	18.0
9/30/2012	9	18.0	17.7	17.0	16.2	16.2	16.1	18.4	17.8
9/30/2012	10	17.9	17.7	17.4	16.5	16.3	16.4	18.4	17.8
9/30/2012	11	17.8	17.8	18.0	16.7	16.4	16.7	18.4	17.8
9/30/2012	12	17.8	17.8	18.6	16.8	16.6	16.9	18.4	17.8
9/30/2012	13	17.9	17.9	19.2	17.2	17.1	17.2	18.4	17.9
9/30/2012	14	17.9	18.0	19.7	17.6	17.7	17.8	18.4	18.0
9/30/2012	15	18.0	18.0	19.9	18.2	18.3	18.4	18.4	18.1
9/30/2012	16	18.1	18.0	19.8	18.7	18.8	18.8	18.4	18.1
9/30/2012	17	18.2	18.1	19.3	19.1	19.2	19.1	18.5	18.2
9/30/2012	18	18.2	18.1	18.8	19.2	19.2	19.2	18.5	18.2
9/30/2012	19	18.2	18.1	18.3	19.0	19.0	19.1	18.6	18.2
9/30/2012	20	18.2	18.0	17.9	18.7	18.7	18.8	18.6	18.2
9/30/2012	21	18.2	18.0	17.7	18.2	18.3	18.5	18.7	18.2
9/30/2012	22	18.2	18.0	17.5	17.8	17.9	18.0	18.7	18.2
9/30/2012	23	18.2	18.0	17.3	17.4	17.5	17.6	18.8	N/A
9/30/2012	24	18.2	17.9	17.2	17.2	17.2	17.3	18.9	17.2