

## 2012 4th 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)
10/1/2012	1	18.1	17.9	17.1	16.9	16.9	17.0	18.6	18.1
10/1/2012	2	18.1	17.9	17.0	16.7	16.8	16.8	18.4	18.1
10/1/2012	3	18.1	17.8	16.9	16.6	16.6	16.6	18.4	18.1
10/1/2012	4	18.1	17.8	16.9	16.4	16.5	16.5	18.4	18.0
10/1/2012	5	18.0	17.8	16.8	16.3	16.4	16.3	18.3	18.0
10/1/2012	6	18.0	17.7	16.8	16.3	16.3	16.2	18.3	17.9
10/1/2012	7	18.0	17.7	16.7	16.2	16.2	16.2	18.3	17.9
10/1/2012	8	17.9	17.7	16.7	16.1	16.2	16.1	18.2	17.9
10/1/2012	9	17.9	17.7	16.9	16.2	16.2	16.2	18.2	17.8
10/1/2012	10	17.9	17.7	17.4	16.4	16.2	16.4	18.2	17.8
10/1/2012	11	17.9	17.8	17.8	16.6	16.4	16.6	18.3	17.8
10/1/2012	12	17.9	17.9	18.5	16.8	16.6	16.8	18.3	17.9
10/1/2012	13	17.9	18.0	19.2	17.1	17.0	17.2	18.4	18.0
10/1/2012	14	18.0	18.0	19.7	17.6	17.6	17.7	18.4	18.0
10/1/2012	15	18.1	18.1	19.9	18.2	18.3	18.3	18.4	18.1
10/1/2012	16	18.2	18.1	19.8	18.8	18.9	18.9	18.5	18.2
10/1/2012	17	18.3	18.2	19.5	19.2	19.3	19.2	18.5	18.2
10/1/2012	18	18.3	18.2	19.2	19.4	19.5	19.4	18.5	18.3
10/1/2012	19	18.3	18.2	18.8	19.3	19.3	19.4	18.5	18.3
10/1/2012	20	18.3	18.2	18.4	19.1	19.1	19.2	18.5	18.3
10/1/2012	21	18.3	18.2	18.1	18.8	18.8	18.9	18.5	18.3
10/1/2012	22	18.3	18.2	17.9	18.4	18.4	18.6	18.5	18.3
10/1/2012	23	18.2	18.1	17.8	18.1	18.1	18.2	18.5	18.2
10/1/2012	24	18.2	18.1	17.7	17.7	17.8	17.9	18.5	18.2
10/2/2012	1	18.2	18.0	17.5	17.5	17.5	17.6	18.4	18.1
10/2/2012	2	18.1	18.0	17.4	17.3	17.3	17.3	18.4	18.0
10/2/2012	3	18.1	17.9	17.2	17.1	17.1	17.1	18.4	18.0
10/2/2012	4	18.0	17.8	17.2	16.9	16.9	16.9	18.3	17.9
10/2/2012	5	18.0	17.8	17.1	16.7	16.8	16.7	18.3	17.9
10/2/2012	6	17.9	17.7	17.0	16.6	16.7	16.6	18.2	17.8
10/2/2012	7	17.9	17.7	16.8	16.5	16.5	16.5	18.2	17.8
10/2/2012	8	17.8	17.6	16.8	16.4	16.4	16.3	18.2	17.8
10/2/2012	9	17.8	17.6	17.0	16.5	16.3	16.3	18.1	17.8
10/2/2012	10	17.8	17.7	17.4	16.5	16.4	16.5	18.1	17.8
10/2/2012	11	17.8	17.7	17.9	16.6	16.4	16.6	18.2	17.8
10/2/2012	12	17.9	17.8	18.4	16.7	16.5	16.7	18.2	17.9
10/2/2012	13	17.9	17.9	18.9	16.9	16.9	17.0	18.2	17.9
10/2/2012	14	18.0	17.9	19.2	17.2	17.3	17.3	18.2	17.9
10/2/2012	15	18.0	17.8	18.9	17.7	17.8	17.5	18.2	18.0
10/2/2012	16	18.0	17.7	18.4	17.9	18.0	17.7	18.3	17.9
10/2/2012	17	18.0	17.7	17.7	17.9	18.0	17.7	18.3	17.9
10/2/2012	18	17.9	17.6	17.2	17.5	17.7	17.4	18.2	17.8
10/2/2012	19	17.9	17.5	16.7	17.1	17.2	17.1	18.2	17.8
10/2/2012	20	17.8	17.5	16.4	16.5	16.6	16.6	18.1	17.7
10/2/2012	21	17.7	17.4	16.2	15.9	16.0	16.0	18.0	17.6
10/2/2012	22	17.6	17.3	16.1	15.6	15.7	15.6	17.9	17.5

## 2012 4th 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)
10/2/2012	23	17.5	17.2	16.0	15.3	15.3	15.3	17.9	17.4
10/2/2012	24	17.5	17.2	16.0	15.1	15.2	15.1	17.8	17.4
10/3/2012	1	17.4	17.1	16.0	15.0	15.0	14.9	17.7	17.3
10/3/2012	2	17.4	17.1	15.9	14.9	15.0	14.8	17.7	17.3
10/3/2012	3	17.3	17.0	15.9	14.9	15.0	14.8	17.6	17.2
10/3/2012	4	17.3	16.9	15.8	14.9	14.9	14.8	17.6	17.2
10/3/2012	5	17.2	16.9	15.8	14.8	14.9	14.7	17.5	17.1
10/3/2012	6	17.2	16.8	15.7	14.8	14.8	14.6	17.4	17.1
10/3/2012	7	17.1	16.8	15.7	14.7	14.7	14.6	17.4	17.0
10/3/2012	8	17.0	16.7	15.6	14.6	14.7	14.6	17.3	17.0
10/3/2012	9	17.0	16.7	15.7	14.9	14.7	14.6	17.3	16.9
10/3/2012	10	16.9	16.7	16.1	14.9	14.8	14.8	17.3	16.9
10/3/2012	11	16.9	16.7	16.6	15.0	14.8	14.9	17.3	16.9
10/3/2012	12	16.9	16.8	17.1	15.1	14.9	15.1	17.3	16.9
10/3/2012	13	16.9	16.9	17.7	15.3	15.2	15.4	17.3	16.9
10/3/2012	14	17.0	16.9	18.1	15.7	15.8	15.8	17.4	17.0
10/3/2012	15	17.0	16.9	18.3	16.3	16.4	16.4	17.4	17.0
10/3/2012	16	17.1	16.9	18.2	16.8	16.9	16.8	17.4	17.1
10/3/2012	17	17.1	16.9	17.8	17.2	17.2	17.1	17.4	17.1
10/3/2012	18	17.1	16.8	17.4	17.2	17.3	17.2	17.4	17.1
10/3/2012	19	17.1	16.8	17.0	17.1	17.1	17.1	17.4	17.0
10/3/2012	20	17.0	16.7	16.5	16.7	16.8	16.8	17.3	17.0
10/3/2012	21	17.0	16.7	16.2	16.4	16.4	16.4	17.3	17.0
10/3/2012	22	17.0	16.7	15.9	16.0	16.0	16.1	17.3	16.9
10/3/2012	23	17.0	16.6	15.7	15.5	15.6	15.7	17.3	16.9
10/3/2012	24	16.9	16.6	15.7	15.2	15.3	15.3	17.3	16.9
10/4/2012	1	16.9	16.6	15.6	15.0	15.0	15.0	17.2	16.8
10/4/2012	2	16.9	16.5	15.5	14.8	14.8	14.8	17.2	16.8
10/4/2012	3	16.8	16.5	15.5	14.6	14.6	14.6	17.2	16.8
10/4/2012	4	16.8	16.4	15.4	14.5	14.5	14.4	17.1	16.7
10/4/2012	5	16.7	16.4	15.3	14.4	14.4	14.3	17.1	16.7
10/4/2012	6	16.7	16.3	15.2	14.3	14.3	14.2	17.0	16.6
10/4/2012	7	16.7	16.3	15.2	14.2	14.2	14.1	17.0	16.6
10/4/2012	8	16.6	16.2	15.2	14.1	14.1	14.0	16.9	16.5
10/4/2012	9	16.6	16.2	15.2	14.1	14.1	14.0	16.9	16.5
10/4/2012	10	16.5	16.3	15.7	14.4	14.1	14.2	16.9	16.4
10/4/2012	11	16.5	16.3	16.1	14.5	14.2	14.4	16.9	16.4
10/4/2012	12	16.5	16.4	16.7	14.7	14.4	14.6	16.9	16.5
10/4/2012	13	16.5	16.4	17.3	14.9	14.8	14.9	17.0	16.5
10/4/2012	14	16.6	16.4	17.7	15.2	15.4	15.4	17.0	16.6
10/4/2012	15	16.6	16.5	17.9	15.8	16.0	16.0	17.0	16.6
10/4/2012	16	16.7	16.5	17.8	16.4	16.5	16.5	17.0	16.7
10/4/2012	17	16.7	16.5	17.3	16.8	16.8	16.7	17.0	16.7
10/4/2012	18	16.7	16.4	16.9	16.9	16.9	16.7	17.0	16.7
10/4/2012	19	16.7	16.4	16.5	16.7	16.7	16.7	17.0	16.7
10/4/2012	20	16.7	16.4	16.1	16.3	16.3	16.4	17.0	16.7

## 2012 4th 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)
10/4/2012	21	16.7	16.3	15.7	15.9	15.9	16.0	17.0	16.7
10/4/2012	22	16.7	16.3	15.5	15.5	15.6	15.6	17.0	16.6
10/4/2012	23	16.6	16.3	15.3	15.2	15.2	15.2	17.0	16.6
10/4/2012	24	16.6	16.3	15.2	14.8	14.9	14.9	17.0	16.6
10/5/2012	1	16.6	16.2	15.1	14.5	14.6	14.6	16.9	16.6
10/5/2012	2	16.6	16.2	15.0	14.3	14.4	14.4	16.9	16.5
10/5/2012	3	16.5	16.2	14.9	14.2	14.3	14.2	16.9	16.5
10/5/2012	4	16.5	16.1	14.8	14.1	14.1	14.1	16.8	16.4
10/5/2012	5	16.4	16.1	14.8	14.0	14.1	13.9	16.8	16.4
10/5/2012	6	16.4	16.0	14.8	13.9	13.9	13.8	16.7	16.3
10/5/2012	7	16.4	16.0	14.7	13.8	13.8	13.7	16.7	16.3
10/5/2012	8	16.3	16.0	14.7	13.7	13.8	13.6	16.6	16.2
10/5/2012	9	16.3	15.9	14.8	13.9	13.8	13.6	16.6	16.2
10/5/2012	10	16.2	16.0	15.3	14.1	13.8	13.9	16.6	16.2
10/5/2012	11	16.2	16.0	15.8	14.2	13.9	14.1	16.7	16.2
10/5/2012	12	16.2	16.1	16.3	14.4	14.1	14.3	16.7	16.2
10/5/2012	13	16.3	16.2	16.9	14.6	14.5	14.6	16.7	16.3
10/5/2012	14	16.3	16.2	17.3	15.0	15.1	15.1	16.7	16.3
10/5/2012	15	16.4	16.2	17.5	15.5	15.7	15.6	16.8	16.4
10/5/2012	16	16.4	16.2	17.4	16.0	16.2	16.1	16.8	16.4
10/5/2012	17	16.4	16.2	17.0	16.4	16.4	16.3	16.8	16.4
10/5/2012	18	16.4	16.2	16.6	16.5	16.5	16.4	16.8	16.4
10/5/2012	19	16.4	16.1	16.2	16.3	16.4	16.3	16.8	16.4
10/5/2012	20	16.4	16.1	15.8	16.0	16.1	16.1	16.8	16.4
10/5/2012	21	16.4	16.1	15.5	15.6	15.7	15.7	16.7	16.4
10/5/2012	22	16.4	16.1	15.3	15.2	15.3	15.4	16.7	16.4
10/5/2012	23	16.4	16.0	15.2	14.9	14.9	15.0	16.7	16.3
10/5/2012	24	16.4	16.0	15.0	14.5	14.6	14.6	16.7	16.3
10/6/2012	1	16.3	16.0	14.9	14.2	14.3	14.3	16.7	16.3
10/6/2012	2	16.3	15.9	14.8	14.1	14.1	14.1	16.6	16.2
10/6/2012	3	16.3	15.9	14.7	13.9	14.0	13.9	16.6	16.2
10/6/2012	4	16.2	15.8	14.7	13.8	13.8	13.7	16.6	16.2
10/6/2012	5	16.2	15.8	14.6	13.7	13.7	13.6	16.5	16.1
10/6/2012	6	16.2	15.7	14.6	13.6	13.6	13.5	16.5	16.1
10/6/2012	7	16.1	15.7	14.5	13.5	13.6	13.4	16.4	16.0
10/6/2012	8	16.1	15.7	14.5	13.5	13.5	13.4	16.4	16.0
10/6/2012	9	16.0	15.7	14.6	13.6	13.5	13.4	16.4	16.0
10/6/2012	10	16.0	15.8	15.1	13.8	13.6	13.6	16.4	16.0
10/6/2012	11	16.0	15.8	15.6	14.1	13.7	13.9	16.5	16.0
10/6/2012	12	16.1	15.9	16.2	14.2	14.0	14.1	16.5	16.0
10/6/2012	13	16.1	16.0	16.9	14.5	14.4	14.5	16.5	16.1
10/6/2012	14	16.2	16.0	17.4	14.8	15.0	15.0	16.6	16.2
10/6/2012	15	16.2	16.1	17.6	15.5	15.7	15.7	16.6	16.2
10/6/2012	16	16.3	16.1	17.5	16.1	16.2	16.2	16.7	16.3
10/6/2012	17	16.3	16.2	17.0	16.5	16.6	16.5	16.7	16.4
10/6/2012	18	16.4	16.2	16.7	16.7	16.7	16.6	16.7	16.4

## 2012 4th 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)
10/6/2012	19	16.4	16.1	16.3	16.5	16.6	16.6	16.7	16.4
10/6/2012	20	16.4	16.1	15.9	16.2	16.2	16.3	16.7	16.4
10/6/2012	21	16.4	16.1	15.6	15.8	15.8	15.9	16.7	16.3
10/6/2012	22	16.4	16.1	15.4	15.4	15.5	15.6	16.7	16.3
10/6/2012	23	16.4	16.1	15.2	15.0	15.1	15.2	16.7	16.3
10/6/2012	24	16.4	16.0	15.2	14.7	14.8	14.8	16.7	16.3
10/7/2012	1	16.3	16.0	15.1	14.5	14.5	14.6	16.7	16.3
10/7/2012	2	16.3	16.0	15.0	14.3	14.4	14.3	16.6	16.2
10/7/2012	3	16.3	15.9	14.9	14.1	14.2	14.1	16.6	16.2
10/7/2012	4	16.2	15.9	14.9	14.0	14.1	14.0	16.6	16.2
10/7/2012	5	16.2	15.8	14.8	13.9	14.0	13.9	16.5	16.2
10/7/2012	6	16.2	15.8	14.8	13.9	13.9	13.8	16.5	16.1
10/7/2012	7	16.1	15.8	14.7	13.8	13.9	13.7	16.5	16.1
10/7/2012	8	16.1	15.7	14.7	13.7	13.8	13.7	16.4	16.0
10/7/2012	9	16.0	15.8	14.7	13.8	13.8	13.7	16.4	16.0
10/7/2012	10	16.0	15.8	15.2	14.1	13.9	13.9	16.4	16.0
10/7/2012	11	16.0	15.9	15.7	14.2	14.0	14.1	16.5	16.0
10/7/2012	12	16.1	16.0	16.3	14.4	14.1	14.3	16.5	16.0
10/7/2012	13	16.1	16.0	17.0	14.6	14.5	14.7	16.5	16.1
10/7/2012	14	16.2	16.1	17.5	15.0	15.1	15.2	16.6	16.1
10/7/2012	15	16.2	16.1	17.7	15.6	15.8	15.7	16.6	16.2
10/7/2012	16	16.3	16.2	17.7	16.2	16.3	16.3	16.6	16.3
10/7/2012	17	16.4	16.2	17.2	16.7	16.7	16.6	16.7	16.3
10/7/2012	18	16.4	16.2	16.9	16.8	16.9	16.7	16.7	16.4
10/7/2012	19	16.4	16.2	16.4	16.7	16.7	16.7	16.7	16.4
10/7/2012	20	16.4	16.2	16.0	16.4	16.4	16.5	16.7	16.4
10/7/2012	21	16.4	16.2	15.8	16.0	16.1	16.1	16.7	16.4
10/7/2012	22	16.4	16.1	15.6	15.7	15.7	15.8	16.7	16.4
10/7/2012	23	16.4	16.1	15.4	15.3	15.3	15.4	16.7	16.3
10/7/2012	24	16.4	16.1	15.3	15.0	15.0	15.1	16.7	16.3
10/8/2012	1	16.4	16.1	15.2	14.7	14.8	14.8	16.7	16.3
10/8/2012	2	16.3	16.0	15.1	14.6	14.6	14.6	16.7	16.3
10/8/2012	3	16.3	16.0	15.1	14.4	14.4	14.4	16.6	16.2
10/8/2012	4	16.3	16.0	15.0	14.3	14.3	14.3	16.6	16.2
10/8/2012	5	16.2	15.9	14.9	14.2	14.2	14.1	16.6	16.2
10/8/2012	6	16.2	15.9	14.9	14.1	14.2	14.1	16.5	16.1
10/8/2012	7	16.2	15.9	14.8	14.0	14.1	14.0	16.5	16.1
10/8/2012	8	16.1	15.8	14.9	14.0	14.0	14.0	16.5	16.1
10/8/2012	9	16.1	15.8	15.0	14.1	14.0	14.0	16.5	16.1
10/8/2012	10	16.1	15.8	15.3	14.2	14.1	14.1	16.5	16.0
10/8/2012	11	16.1	15.9	15.7	14.5	14.2	14.4	16.5	16.1
10/8/2012	12	16.1	16.0	16.4	14.7	14.4	14.6	16.6	16.1
10/8/2012	13	16.2	16.1	17.1	14.8	14.8	15.0	16.6	16.2
10/8/2012	14	16.2	16.2	17.6	15.2	15.3	15.4	16.7	16.2
10/8/2012	15	16.3	16.2	17.8	15.8	16.0	15.9	16.7	16.3
10/8/2012	16	16.4	16.3	17.8	16.4	16.5	16.4	16.7	16.4

## 2012 4th 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)
10/8/2012	17	16.5	16.3	17.4	16.9	16.9	16.8	16.8	16.4
10/8/2012	18	16.5	16.3	17.1	17.0	17.1	17.0	16.8	16.5
10/8/2012	19	16.5	16.3	16.7	16.9	17.0	17.0	16.8	16.5
10/8/2012	20	16.5	16.3	16.3	16.7	16.7	16.8	16.8	16.5
10/8/2012	21	16.5	16.2	16.1	16.3	16.4	16.5	16.8	16.4
10/8/2012	22	16.5	16.2	15.9	16.0	16.0	16.1	16.8	16.4
10/8/2012	23	16.5	16.2	15.7	15.7	15.7	15.8	16.8	16.4
10/8/2012	24	16.4	16.2	15.6	15.3	15.4	15.5	16.8	16.4
10/9/2012	1	16.4	16.2	15.5	15.1	15.2	15.2	16.8	16.4
10/9/2012	2	16.4	16.1	15.4	15.0	15.0	15.0	16.7	16.3
10/9/2012	3	16.4	16.1	15.3	14.8	14.8	14.8	16.7	16.3
10/9/2012	4	16.4	16.1	15.3	14.7	14.7	14.7	16.7	16.3
10/9/2012	5	16.3	16.0	15.2	14.6	14.6	14.6	16.6	16.2
10/9/2012	6	16.3	16.0	15.2	14.5	14.5	14.5	16.6	16.2
10/9/2012	7	16.2	16.0	15.1	14.3	14.4	14.3	16.6	16.2
10/9/2012	8	16.2	15.9	15.1	14.3	14.3	14.3	16.5	16.1
10/9/2012	9	16.2	15.9	15.2	14.4	14.3	14.2	16.5	16.1
10/9/2012	10	16.2	16.0	15.7	14.6	14.4	14.5	16.6	16.1
10/9/2012	11	16.2	16.1	16.2	14.8	14.5	14.7	16.7	16.2
10/9/2012	12	16.2	16.2	16.8	15.0	14.7	15.0	16.7	16.2
10/9/2012	13	16.3	16.3	17.5	15.2	15.2	15.3	16.8	16.3
10/9/2012	14	16.4	16.3	18.0	15.6	15.8	15.9	16.8	16.4
10/9/2012	15	16.5	16.4	18.2	16.3	16.5	16.5	16.9	16.5
10/9/2012	16	16.6	16.5	18.1	16.9	17.0	16.9	16.9	16.6
10/9/2012	17	16.7	16.5	17.7	17.3	17.4	17.3	17.0	16.6
10/9/2012	18	16.7	16.5	17.3	17.5	17.5	17.4	17.0	16.7
10/9/2012	19	16.7	16.5	16.9	17.3	17.3	17.4	17.0	16.7
10/9/2012	20	16.7	16.5	16.5	17.0	17.1	17.2	17.0	16.7
10/9/2012	21	16.7	16.5	16.2	16.6	16.7	16.8	17.0	16.7
10/9/2012	22	16.7	16.4	16.1	16.2	16.3	16.4	17.0	16.6
10/9/2012	23	16.6	16.4	15.9	15.9	16.0	16.1	17.0	16.6
10/9/2012	24	16.6	16.4	15.9	15.6	15.7	15.7	17.0	16.6
10/10/2012	1	16.6	16.3	15.7	15.4	15.4	15.5	16.9	16.6
10/10/2012	2	16.6	16.3	15.7	15.2	15.2	15.2	16.9	16.5
10/10/2012	3	16.5	16.3	15.5	15.1	15.1	15.1	16.9	16.5
10/10/2012	4	16.5	16.2	15.4	14.9	15.0	14.9	16.9	16.5
10/10/2012	5	16.5	16.2	15.3	14.8	14.8	14.8	16.8	16.4
10/10/2012	6	16.4	16.2	15.3	14.7	14.7	14.7	16.8	16.4
10/10/2012	7	16.4	16.1	15.2	14.6	14.6	14.6	16.8	16.4
10/10/2012	8	16.4	16.1	15.2	14.5	14.6	14.5	16.7	16.3
10/10/2012	9	16.4	16.1	15.2	14.6	14.5	14.4	16.7	16.3
10/10/2012	10	16.3	16.1	15.6	14.9	14.6	14.7	16.8	16.3
10/10/2012	11	16.3	16.2	16.1	14.9	14.6	14.9	16.8	16.3
10/10/2012	12	16.4	16.3	16.7	15.1	14.8	15.0	16.8	16.3
10/10/2012	13	16.4	16.3	17.2	15.2	15.2	15.3	16.8	16.4
10/10/2012	14	16.4	16.3	17.7	15.6	15.7	15.7	16.8	16.4

## 2012 4th 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)
10/10/2012	15	16.5	16.4	17.8	16.1	16.2	16.2	16.9	16.5
10/10/2012	16	16.5	16.4	17.7	16.7	16.7	16.7	16.9	16.5
10/10/2012	17	16.6	16.4	17.4	17.0	17.1	17.0	16.9	16.6
10/10/2012	18	16.6	16.4	17.2	17.2	17.2	17.1	16.9	16.6
10/10/2012	19	16.6	16.4	16.8	17.0	17.0	17.0	16.9	16.6
10/10/2012	20	16.6	16.4	16.4	16.8	16.8	16.9	16.9	16.6
10/10/2012	21	16.6	16.3	16.1	16.5	16.5	16.6	16.9	16.5
10/10/2012	22	16.6	16.3	15.9	16.1	16.2	16.3	16.8	16.5
10/10/2012	23	16.5	16.3	15.7	15.8	15.8	15.9	16.8	16.5
10/10/2012	24	16.5	16.3	15.6	15.4	15.5	15.6	16.8	16.5
10/11/2012	1	16.5	16.2	15.5	15.2	15.2	15.3	16.8	16.4
10/11/2012	2	16.5	16.2	15.4	15.0	15.0	15.0	16.8	16.4
10/11/2012	3	16.4	16.2	15.3	14.8	14.9	14.8	16.8	16.4
10/11/2012	4	16.4	16.1	15.3	14.7	14.7	14.7	16.7	16.3
10/11/2012	5	16.4	16.1	15.2	14.6	14.6	14.6	16.7	16.3
10/11/2012	6	16.4	16.1	15.2	14.5	14.5	14.5	16.7	16.3
10/11/2012	7	16.3	16.0	15.1	14.4	14.4	14.4	16.6	16.2
10/11/2012	8	16.3	16.0	15.1	14.3	14.3	14.3	16.6	16.2
10/11/2012	9	16.2	16.0	15.2	14.4	14.3	14.2	16.6	16.2
10/11/2012	10	16.2	16.0	15.6	14.7	14.4	14.5	16.6	16.2
10/11/2012	11	16.2	16.1	16.1	14.9	14.5	14.7	16.7	16.2
10/11/2012	12	16.3	16.2	16.7	15.0	14.7	14.9	16.7	16.2
10/11/2012	13	16.3	16.2	17.3	15.1	15.1	15.2	16.7	16.3
10/11/2012	14	16.4	16.3	17.8	15.6	15.7	15.7	16.8	16.4
10/11/2012	15	16.4	16.3	18.1	16.2	16.3	16.3	16.8	16.4
10/11/2012	16	16.5	16.4	18.0	16.8	16.9	16.8	16.8	16.5
10/11/2012	17	16.5	16.4	17.5	17.2	17.3	17.2	16.9	16.5
10/11/2012	18	16.6	16.4	17.2	17.3	17.4	17.3	16.9	16.6
10/11/2012	19	16.6	16.4	16.7	17.2	17.3	17.3	16.9	16.6
10/11/2012	20	16.6	16.4	16.4	17.0	17.0	17.1	16.9	16.6
10/11/2012	21	16.6	16.3	16.1	16.6	16.6	16.7	16.9	16.6
10/11/2012	22	16.6	16.3	15.9	16.2	16.2	16.3	16.9	16.5
10/11/2012	23	16.5	16.3	15.8	15.8	15.8	15.9	16.9	16.5
10/11/2012	24	16.5	16.3	15.7	15.5	15.5	15.6	16.9	16.5
10/12/2012	1	16.5	16.2	15.6	15.2	15.3	15.3	16.8	16.5
10/12/2012	2	16.5	16.2	15.4	15.0	15.1	15.1	16.8	16.4
10/12/2012	3	16.4	16.2	15.4	14.9	14.9	14.9	16.8	16.4
10/12/2012	4	16.4	16.2	15.4	14.7	14.8	14.7	16.8	16.4
10/12/2012	5	16.4	16.1	15.3	14.7	14.7	14.6	16.7	16.3
10/12/2012	6	16.4	16.1	15.2	14.6	14.6	14.5	16.7	16.3
10/12/2012	7	16.3	16.1	15.3	14.6	14.6	14.5	16.7	16.3
10/12/2012	8	16.3	16.1	15.4	14.5	14.6	14.5	16.7	16.2
10/12/2012	9	16.3	16.1	15.5	14.5	14.6	14.5	16.6	16.2
10/12/2012	10	16.3	16.1	15.9	14.8	14.7	14.7	16.7	16.2
10/12/2012	11	16.3	16.2	16.3	15.0	14.8	14.9	16.7	16.2
10/12/2012	12	16.3	16.2	16.7	15.2	15.0	15.1	16.7	16.3

## 2012 4th 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)
10/12/2012	13	16.3	16.2	16.9	15.4	15.3	15.3	16.7	16.3
10/12/2012	14	16.3	16.3	17.0	15.8	15.7	15.7	16.7	16.3
10/12/2012	15	16.4	16.3	17.0	16.1	16.1	16.0	16.7	16.3
10/12/2012	16	16.4	16.3	16.9	16.3	16.3	16.2	16.7	16.4
10/12/2012	17	16.4	16.3	16.8	16.4	16.4	16.4	16.7	16.4
10/12/2012	18	16.4	16.3	16.6	16.3	16.4	16.3	16.7	16.4
10/12/2012	19	16.4	16.2	16.4	16.2	16.3	16.2	16.7	16.3
10/12/2012	20	16.4	16.2	16.2	16.1	16.1	16.1	16.7	16.3
10/12/2012	21	16.4	16.2	16.2	15.9	15.9	16.0	16.6	16.3
10/12/2012	22	16.3	16.2	16.1	15.8	15.8	15.9	16.6	16.2
10/12/2012	23	16.3	16.2	16.1	15.7	15.7	15.8	16.6	16.2
10/12/2012	24	16.3	16.1	16.1	15.6	15.7	15.7	16.5	16.2
10/13/2012	1	16.2	16.1	16.1	15.6	15.6	15.5	16.5	16.2
10/13/2012	2	16.2	16.0	15.9	15.5	15.5	15.4	16.5	16.1
10/13/2012	3	16.2	16.0	15.8	15.4	15.4	15.4	16.5	16.1
10/13/2012	4	16.2	16.0	15.7	15.3	15.3	15.3	16.5	16.1
10/13/2012	5	16.1	16.0	15.7	15.3	15.3	15.3	16.5	16.1
10/13/2012	6	16.1	16.0	15.7	15.2	15.2	15.2	16.4	16.1
10/13/2012	7	16.1	16.0	15.7	15.2	15.2	15.2	16.4	16.1
10/13/2012	8	16.1	15.9	15.7	15.2	15.2	15.2	16.4	16.1
10/13/2012	9	16.1	16.0	15.9	15.4	15.2	15.2	16.4	16.1
10/13/2012	10	16.1	16.0	16.1	15.4	15.3	15.3	16.4	16.1
10/13/2012	11	16.1	16.0	16.2	15.4	15.3	15.4	16.5	16.1
10/13/2012	12	16.1	16.0	16.3	15.5	15.4	15.4	16.5	16.1
10/13/2012	13	16.2	16.1	16.5	15.7	15.6	15.6	16.5	16.2
10/13/2012	14	16.2	16.1	16.8	15.9	15.9	16.1	16.5	16.2
10/13/2012	15	16.2	16.1	16.8	16.0	16.0	16.0	16.5	16.2
10/13/2012	16	16.2	16.1	16.8	16.2	16.2	16.2	16.5	16.2
10/13/2012	17	16.2	16.1	16.7	16.3	16.3	16.3	16.6	16.2
10/13/2012	18	16.2	16.1	16.6	16.3	16.3	16.3	16.6	16.2
10/13/2012	19	16.2	16.1	16.5	16.3	16.3	16.3	16.6	16.1
10/13/2012	20	16.2	16.1	16.4	16.2	16.2	16.3	16.6	16.1
10/13/2012	21	16.2	16.0	16.3	16.1	16.2	16.2	16.6	16.1
10/13/2012	22	16.2	16.0	16.2	16.0	16.0	16.1	16.6	16.1
10/13/2012	23	16.2	16.0	16.2	15.9	16.0	16.0	16.6	16.2
10/13/2012	24	16.2	16.0	16.2	15.9	15.9	15.9	16.6	16.2
10/14/2012	1	16.2	16.1	16.2	15.8	15.8	15.8	16.5	16.2
10/14/2012	2	16.2	16.0	16.1	15.7	15.7	15.8	16.5	16.2
10/14/2012	3	16.2	16.0	16.1	15.7	15.7	15.7	16.5	16.1
10/14/2012	4	16.2	16.0	16.1	15.7	15.7	15.7	16.5	16.1
10/14/2012	5	16.2	16.0	16.0	15.6	15.7	15.7	16.5	16.1
10/14/2012	6	16.2	16.0	16.0	15.6	15.6	15.6	16.5	16.1
10/14/2012	7	16.1	16.0	16.0	15.6	15.6	15.6	16.5	16.1
10/14/2012	8	16.1	16.0	16.0	15.5	15.6	15.6	16.5	16.1
10/14/2012	9	16.1	16.0	16.0	15.6	15.6	15.6	16.5	16.1
10/14/2012	10	16.1	16.0	16.0	15.5	15.5	15.6	16.5	16.1

## 2012 4th 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)
10/14/2012	11	16.1	16.0	16.1	15.5	15.5	15.5	16.5	16.1
10/14/2012	12	16.1	16.0	16.2	15.6	15.6	15.6	16.5	16.1
10/14/2012	13	16.1	16.0	16.3	15.6	15.6	15.6	16.5	16.1
10/14/2012	14	16.1	16.0	16.4	15.7	15.7	15.7	16.5	16.1
10/14/2012	15	16.1	16.1	16.6	15.9	15.8	15.9	16.5	16.1
10/14/2012	16	16.1	16.1	16.6	16.0	15.9	16.0	16.5	16.1
10/14/2012	17	16.1	16.0	16.7	16.1	16.1	16.1	16.5	16.1
10/14/2012	18	16.1	16.0	16.6	16.2	16.2	16.2	16.5	16.1
10/14/2012	19	16.1	16.0	16.4	16.2	16.2	16.2	16.5	16.1
10/14/2012	20	16.1	16.0	16.2	16.2	16.2	16.2	16.4	16.1
10/14/2012	21	16.1	16.0	16.1	16.1	16.1	16.2	16.4	16.1
10/14/2012	22	16.1	16.0	16.0	16.0	16.0	16.1	16.4	16.1
10/14/2012	23	16.1	16.0	16.0	15.8	15.8	15.9	16.4	16.1
10/14/2012	24	16.1	15.9	16.0	15.7	15.7	15.8	16.4	16.1
10/15/2012	1	16.1	15.9	15.9	15.6	16.0	16.0	16.4	16.0
10/15/2012	2	16.1	15.9	15.9	15.6	16.0	16.0	16.4	16.0
10/15/2012	3	16.0	15.9	15.9	15.5	16.0	16.0	16.4	16.0
10/15/2012	4	16.0	15.9	15.9	15.5	16.0	16.0	16.4	16.0
10/15/2012	5	16.0	15.9	15.8	15.4	15.9	15.9	16.3	16.0
10/15/2012	6	16.0	15.8	15.7	15.4	15.9	15.9	16.3	16.0
10/15/2012	7	16.0	15.8	15.7	15.4	15.9	15.9	16.3	15.9
10/15/2012	8	16.0	15.8	15.5	15.3	15.9	15.8	16.3	15.9
10/15/2012	9	15.9	15.8	15.5	15.3	15.8	15.8	16.3	15.9
10/15/2012	10	15.9	15.8	15.9	15.6	15.9	15.9	16.3	15.9
10/15/2012	11	15.9	15.9	16.4	15.6	15.9	16.0	16.4	15.9
10/15/2012	12	16.0	15.9	16.9	15.7	16.0	16.0	16.4	16.0
10/15/2012	13	16.0	16.0	17.4	15.8	16.0	16.1	16.4	16.0
10/15/2012	14	16.1	16.0	17.4	15.9	16.1	16.2	16.4	16.1
10/15/2012	15	16.1	16.0	17.4	16.4	16.2	16.2	16.4	16.1
10/15/2012	16	16.1	16.0	17.1	16.8	16.2	16.3	16.5	16.1
10/15/2012	17	16.1	16.0	16.8	16.9	16.3	16.4	16.5	16.2
10/15/2012	18	16.2	16.0	16.6	16.8	16.3	16.4	16.5	16.1
10/15/2012	19	16.2	16.0	16.4	16.7	16.2	16.3	16.5	16.1
10/15/2012	20	16.2	16.0	16.3	16.5	16.2	16.3	16.4	16.1
10/15/2012	21	16.1	16.0	16.2	16.2	16.2	16.2	16.4	16.1
10/15/2012	22	16.1	16.0	16.1	16.0	16.1	16.2	16.4	16.1
10/15/2012	23	16.1	16.0	16.1	15.9	16.1	16.1	16.4	16.1
10/15/2012	24	16.1	15.9	16.1	15.7	16.0	16.1	16.4	16.1
10/16/2012	1	16.1	15.9	16.0	15.6	16.0	16.0	16.4	16.0
10/16/2012	2	16.0	15.9	15.8	15.6	16.0	16.0	16.4	16.0
10/16/2012	3	16.0	15.9	15.7	15.4	15.9	15.9	16.3	16.0
10/16/2012	4	16.0	15.8	15.6	15.3	15.9	15.9	16.3	16.0
10/16/2012	5	16.0	15.8	15.5	15.2	15.9	15.8	16.3	16.0
10/16/2012	6	16.0	15.7	15.3	15.1	15.8	15.8	16.2	15.9
10/16/2012	7	15.9	15.7	15.1	14.8	15.7	15.6	16.2	15.8
10/16/2012	8	15.8	15.6	14.8	14.6	15.6	15.5	16.2	15.8



## 2012 4th 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)
10/16/2012	9	15.8	15.5	14.8	14.5	15.5	15.4	16.2	15.7
10/16/2012	10	15.7	15.5	14.9	14.5	15.4	15.4	16.1	15.6
10/16/2012	11	15.7	15.5	15.3	14.4	15.4	15.4	16.1	15.6
10/16/2012	12	15.7	15.5	15.7	14.4	15.4	15.3	16.1	15.5
10/16/2012	13	15.6	15.5	16.2	14.2	15.3	15.4	16.0	15.5
10/16/2012	14	15.6	15.5	16.5	14.3	15.4	15.4	16.0	15.6
10/16/2012	15	15.7	15.5	16.6	14.7	15.5	15.5	16.0	15.6
10/16/2012	16	15.7	15.4	16.4	15.2	15.6	15.6	16.0	15.6
10/16/2012	17	15.6	15.4	15.9	15.4	15.6	15.5	15.9	15.6
10/16/2012	18	15.6	15.3	15.5	15.4	15.6	15.5	15.9	15.6
10/16/2012	19	15.6	15.3	15.1	15.2	15.5	15.5	15.9	15.6
10/16/2012	20	15.6	15.3	14.6	14.9	15.5	15.4	15.9	15.6
10/16/2012	21	15.5	15.3	14.3	14.6	15.4	15.3	15.8	15.5
10/16/2012	22	15.5	15.2	14.3	14.3	15.3	15.2	15.8	15.5
10/16/2012	23	15.5	15.2	14.2	13.9	15.2	15.1	15.8	15.4
10/16/2012	24	15.4	15.2	14.2	13.6	15.1	15.0	15.8	15.3
10/17/2012	1	15.4	15.1	14.3	13.4	15.0	14.9	15.7	15.3
10/17/2012	2	15.3	15.0	14.4	13.3	15.0	14.8	15.6	15.2
10/17/2012	3	15.3	15.0	14.4	13.3	14.9	14.7	15.6	15.2
10/17/2012	4	15.2	14.9	14.4	13.3	14.9	14.7	15.5	15.1
10/17/2012	5	15.2	14.8	14.2	13.3	14.8	14.7	15.4	15.1
10/17/2012	6	15.1	14.8	14.2	13.3	14.8	14.6	15.4	15.0
10/17/2012	7	15.1	14.7	14.1	13.2	14.8	14.6	N/A	15.0
10/17/2012	8	15.1	14.7	14.0	13.2	14.7	14.6	N/A	15.0
10/17/2012	9	15.1	14.7	14.1	13.2	14.7	14.6	N/A	15.0
10/17/2012	10	15.1	14.8	14.5	13.4	14.8	14.7	N/A	15.0
10/17/2012	11	15.0	14.9	14.9	13.6	14.8	14.7	15.4	15.0
10/17/2012	12	15.1	14.9	15.4	13.8	14.9	14.9	15.4	15.1
10/17/2012	13	15.1	15.0	15.9	13.9	15.0	15.0	15.4	15.1
10/17/2012	14	15.2	15.0	16.3	14.1	15.1	15.1	15.5	15.2
10/17/2012	15	15.2	15.1	16.4	14.6	15.2	15.2	15.5	15.2
10/17/2012	16	15.3	15.1	16.4	15.1	15.3	15.3	15.6	15.3
10/17/2012	17	15.3	15.1	16.1	15.5	15.3	15.4	15.6	15.3
10/17/2012	18	15.3	15.1	15.8	15.6	15.4	15.4	15.6	15.3
10/17/2012	19	15.3	15.1	15.5	15.6	15.4	15.4	15.7	15.3
10/17/2012	20	15.3	15.1	15.2	15.4	15.3	15.3	15.7	15.3
10/17/2012	21	15.3	15.1	15.1	15.2	15.3	15.3	15.7	15.3
10/17/2012	22	15.3	15.1	15.0	14.9	15.2	15.2	15.6	15.2
10/17/2012	23	15.3	15.1	14.9	14.6	15.2	15.2	15.6	15.2
10/17/2012	24	15.3	15.0	14.8	14.4	15.2	15.1	15.6	15.2
10/18/2012	1	15.3	15.0	14.7	14.3	15.1	15.1	15.6	15.2
10/18/2012	2	15.2	15.0	14.6	14.2	15.1	15.0	15.6	15.2
10/18/2012	3	15.2	15.0	14.6	14.1	15.1	15.0	15.6	15.2
10/18/2012	4	15.2	14.9	14.5	14.0	15.0	14.9	15.6	15.2
10/18/2012	5	15.2	14.9	14.5	13.9	15.0	14.9	15.5	15.2
10/18/2012	6	15.2	14.9	14.4	13.8	15.0	14.9	15.5	15.2

## 2012 4th 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)
10/18/2012	7	15.2	14.9	14.4	13.7	14.9	14.8	15.5	15.1
10/18/2012	8	15.1	14.9	14.3	13.6	14.9	14.8	15.5	15.1
10/18/2012	9	15.1	14.9	14.4	13.6	14.9	14.8	15.5	15.1
10/18/2012	10	15.1	14.9	14.6	13.8	14.9	14.8	15.5	15.1
10/18/2012	11	15.1	14.9	15.0	14.1	14.9	14.9	15.4	15.1
10/18/2012	12	15.1	15.0	15.5	14.2	15.0	15.0	15.5	15.1
10/18/2012	13	15.2	15.0	16.0	14.2	15.1	15.1	15.5	15.2
10/18/2012	14	15.2	15.1	16.3	14.3	15.1	15.1	15.6	15.2
10/18/2012	15	15.2	15.1	16.3	14.8	15.2	15.2	15.6	15.3
10/18/2012	16	15.3	15.2	16.2	15.2	15.3	15.4	15.6	15.3
10/18/2012	17	15.3	15.2	15.8	15.5	15.4	15.4	15.7	15.4
10/18/2012	18	15.4	15.2	15.6	15.5	15.4	15.5	15.7	15.4
10/18/2012	19	15.4	15.2	15.4	15.4	15.4	15.4	15.7	15.4
10/18/2012	20	15.4	15.2	15.2	15.2	15.4	15.4	15.7	15.4
10/18/2012	21	15.4	15.2	15.1	15.0	15.3	15.3	15.7	15.3
10/18/2012	22	15.4	15.2	15.0	14.8	15.3	15.2	15.7	15.3
10/18/2012	23	15.3	15.1	14.9	14.6	15.2	15.2	15.7	15.3
10/18/2012	24	15.3	15.1	14.9	14.5	15.2	15.2	15.6	15.3
10/19/2012	1	15.3	15.1	14.9	14.4	15.2	15.1	15.6	15.3
10/19/2012	2	15.3	15.1	14.9	14.3	15.2	15.1	15.6	15.2
10/19/2012	3	15.3	15.1	14.9	14.3	15.1	15.1	15.6	15.2
10/19/2012	4	15.2	15.1	14.8	14.2	15.1	15.0	15.6	15.2
10/19/2012	5	15.2	15.0	14.8	14.1	15.1	15.0	15.5	15.2
10/19/2012	6	15.2	15.0	14.7	14.1	15.0	14.9	15.5	15.1
10/19/2012	7	15.2	14.9	14.6	14.1	15.0	14.9	15.5	15.1
10/19/2012	8	15.1	14.9	14.6	14.0	14.9	14.9	15.5	15.1
10/19/2012	9	15.1	14.9	14.6	14.0	14.9	14.8	15.4	15.1
10/19/2012	10	15.1	14.9	14.9	14.2	15.0	14.9	15.4	15.1
10/19/2012	11	15.1	15.0	15.4	14.3	15.0	15.0	15.4	15.1
10/19/2012	12	15.1	15.1	15.8	14.3	15.0	15.0	15.5	15.1
10/19/2012	13	15.2	15.1	16.1	14.4	15.1	15.1	15.5	15.2
10/19/2012	14	15.2	15.2	16.4	14.7	15.2	15.3	15.5	15.2
10/19/2012	15	15.2	15.2	16.6	15.2	15.3	15.4	15.6	15.3
10/19/2012	16	15.3	15.2	16.5	15.4	15.4	15.4	15.6	15.3
10/19/2012	17	15.3	15.2	16.2	15.8	15.4	15.5	15.6	15.3
10/19/2012	18	15.3	15.1	15.9	15.9	15.4	15.5	15.6	15.3
10/19/2012	19	15.3	15.1	15.5	15.8	15.3	15.4	15.6	15.2
10/19/2012	20	15.3	15.1	15.1	15.5	15.3	15.3	15.6	15.2
10/19/2012	21	15.2	15.0	14.7	15.3	15.2	15.2	15.5	15.2
10/19/2012	22	15.2	15.0	14.6	15.0	15.1	15.1	15.5	15.2
10/19/2012	23	15.2	14.9	14.6	14.6	15.1	15.0	15.5	15.1
10/19/2012	24	15.1	14.9	14.4	14.2	14.9	14.9	15.4	15.1
10/20/2012	1	15.1	14.8	14.3	13.9	14.9	14.8	15.4	15.0
10/20/2012	2	15.0	14.7	14.1	13.7	14.8	14.7	15.3	14.9
10/20/2012	3	15.0	14.7	13.9	13.5	14.7	14.6	15.3	14.9
10/20/2012	4	14.9	14.6	13.8	13.4	14.6	14.5	15.3	14.9

## 2012 4th 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)
10/20/2012	5	14.9	14.6	13.7	13.2	14.6	14.4	15.2	14.8
10/20/2012	6	14.8	14.6	13.7	13.0	14.6	14.4	15.2	14.8
10/20/2012	7	14.8	14.5	13.8	12.9	14.5	14.3	15.1	14.7
10/20/2012	8	14.7	14.5	13.8	12.8	14.4	14.2	15.1	14.6
10/20/2012	9	14.7	14.4	13.7	12.8	14.4	14.2	15.0	14.6
10/20/2012	10	14.7	14.4	14.1	13.1	14.4	14.3	15.0	14.6
10/20/2012	11	14.7	14.4	14.4	13.3	14.4	14.3	15.0	14.6
10/20/2012	12	14.7	14.5	14.9	13.3	14.4	14.4	15.0	14.6
10/20/2012	13	14.7	14.5	15.3	13.3	14.5	14.4	15.0	14.6
10/20/2012	14	14.7	14.5	15.5	13.4	14.6	14.5	15.0	14.7
10/20/2012	15	14.7	14.5	15.6	13.8	14.6	14.6	15.0	14.7
10/20/2012	16	14.7	14.5	15.3	14.2	14.7	14.6	15.1	14.7
10/20/2012	17	14.7	14.5	15.0	14.5	14.7	14.6	15.1	14.7
10/20/2012	18	14.7	14.5	14.6	14.5	14.7	14.7	15.1	14.7
10/20/2012	19	14.7	14.5	14.2	14.4	14.7	14.6	15.1	14.7
10/20/2012	20	14.7	14.4	14.0	14.0	14.6	14.6	15.0	14.7
10/20/2012	21	14.7	14.4	13.8	13.7	14.5	14.5	15.0	14.6
10/20/2012	22	14.7	14.4	13.5	13.4	14.4	14.3	15.0	14.6
10/20/2012	23	14.6	14.3	13.5	13.1	14.4	14.2	14.9	14.6
10/20/2012	24	14.6	14.2	13.4	12.8	14.3	14.1	14.9	14.5
10/21/2012	1	14.5	14.2	13.4	12.6	14.2	14.1	14.9	14.5
10/21/2012	2	14.5	14.2	13.4	12.5	14.2	14.0	14.8	14.4
10/21/2012	3	14.5	14.1	13.3	12.4	14.1	14.0	14.8	14.4
10/21/2012	4	14.4	14.1	13.2	12.3	14.1	13.9	14.8	14.4
10/21/2012	5	14.4	14.1	13.2	12.2	14.1	13.9	14.7	14.4
10/21/2012	6	14.4	14.1	13.1	12.1	14.1	13.9	14.7	14.4
10/21/2012	7	14.4	14.0	13.0	12.1	14.0	13.8	14.6	14.3
10/21/2012	8	14.3	14.0	13.0	12.0	14.0	13.8	14.6	14.2
10/21/2012	9	14.3	14.0	13.0	12.0	13.9	13.7	14.6	14.2
10/21/2012	10	14.2	14.0	13.2	12.1	13.9	13.7	14.5	14.1
10/21/2012	11	14.2	13.9	13.4	12.1	13.9	13.7	14.5	14.1
10/21/2012	12	14.2	13.9	13.8	12.5	13.9	13.8	14.5	14.1
10/21/2012	13	14.1	13.9	14.3	12.6	13.9	13.9	14.5	14.1
10/21/2012	14	14.2	13.9	14.7	12.7	14.0	13.9	14.5	14.1
10/21/2012	15	14.2	14.0	14.9	12.9	14.1	14.0	14.5	14.1
10/21/2012	16	14.2	14.0	14.8	13.4	14.1	14.1	14.5	14.2
10/21/2012	17	14.2	14.0	14.5	13.8	14.1	14.1	14.5	14.2
10/21/2012	18	14.2	13.9	14.3	13.9	14.2	14.1	14.5	14.2
10/21/2012	19	14.2	13.9	13.9	13.8	14.2	14.1	14.5	14.2
10/21/2012	20	14.2	13.9	13.7	13.6	14.2	14.1	14.5	14.2
10/21/2012	21	14.3	14.0	13.5	13.4	14.1	14.1	14.5	14.2
10/21/2012	22	14.2	13.9	13.4	13.1	14.1	14.0	14.5	14.2
10/21/2012	23	14.2	13.9	13.3	12.8	14.0	13.9	14.5	14.2
10/21/2012	24	14.2	13.9	13.3	12.7	14.0	13.8	14.5	14.2
10/22/2012	1	14.2	13.9	13.2	12.5	13.9	13.8	14.5	14.1
10/22/2012	2	14.2	13.8	13.1	12.3	13.9	13.7	14.5	14.1

## 2012 4th 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)
10/22/2012	3	14.1	13.8	13.0	12.3	13.8	13.6	14.5	14.1
10/22/2012	4	14.1	13.7	13.0	12.2	13.8	13.6	14.4	14.1
10/22/2012	5	14.0	13.7	13.0	12.1	13.8	13.6	14.4	14.0
10/22/2012	6	14.0	13.7	13.0	12.1	13.7	13.5	14.4	14.0
10/22/2012	7	14.0	13.7	13.0	12.0	13.7	13.5	14.3	13.9
10/22/2012	8	13.9	13.6	13.0	12.0	13.6	13.4	14.3	13.9
10/22/2012	9	13.9	13.6	13.0	12.0	13.6	13.4	14.3	13.9
10/22/2012	10	13.9	13.6	13.2	12.1	13.7	13.5	14.2	13.9
10/22/2012	11	13.9	13.7	13.4	12.1	13.6	13.5	14.2	13.9
10/22/2012	12	13.9	13.7	13.5	12.3	13.7	13.5	14.3	13.9
10/22/2012	13	14.0	13.7	13.6	12.4	13.7	13.5	14.3	13.9
10/22/2012	14	13.9	13.7	13.6	12.4	13.7	13.6	14.3	13.9
10/22/2012	15	14.0	13.7	13.7	12.5	13.8	13.6	14.3	13.9
10/22/2012	16	14.0	13.7	13.7	12.6	13.8	13.6	14.3	13.9
10/22/2012	17	14.0	13.7	13.6	12.7	13.8	13.7	14.3	13.9
10/22/2012	18	14.0	13.7	13.5	12.8	13.8	13.7	14.3	14.0
10/22/2012	19	14.0	13.7	13.4	12.7	13.8	13.7	14.3	14.0
10/22/2012	20	14.0	13.7	13.4	12.7	13.8	13.7	14.3	13.9
10/22/2012	21	14.0	13.7	13.4	12.6	13.8	13.6	14.3	13.9
10/22/2012	22	13.9	13.7	13.3	12.5	13.7	13.6	14.3	13.9
10/22/2012	23	13.9	13.6	13.3	12.5	13.7	13.6	14.2	13.8
10/22/2012	24	13.9	13.6	13.2	12.4	13.6	13.5	14.2	13.8
10/23/2012	1	13.8	13.6	13.2	12.4	13.6	13.5	14.2	13.8
10/23/2012	2	13.8	13.6	13.2	12.3	13.6	13.5	14.2	13.8
10/23/2012	3	13.8	13.5	13.1	12.3	13.6	13.5	14.2	13.8
10/23/2012	4	13.8	13.5	13.1	12.3	13.6	13.4	14.2	13.8
10/23/2012	5	13.8	13.5	13.0	12.3	13.6	13.4	14.2	13.7
10/23/2012	6	13.8	13.5	13.0	12.2	13.5	13.4	14.1	13.7
10/23/2012	7	13.7	13.5	13.0	12.2	13.5	13.4	14.1	13.7
10/23/2012	8	13.7	13.5	13.0	12.1	13.5	13.4	14.1	13.7
10/23/2012	9	13.7	13.5	13.1	12.1	13.5	13.4	14.1	13.7
10/23/2012	10	13.7	13.5	13.3	12.2	13.5	13.4	14.1	13.7
10/23/2012	11	13.7	13.5	13.4	12.3	13.6	13.4	14.1	13.7
10/23/2012	12	13.8	13.6	13.7	12.5	13.6	13.5	14.1	13.7
10/23/2012	13	13.8	13.6	13.9	12.6	13.7	13.6	14.2	13.8
10/23/2012	14	13.8	13.7	14.1	12.7	13.8	13.8	14.2	13.9
10/23/2012	15	13.9	13.7	14.2	12.8	13.8	13.8	14.2	14.0
10/23/2012	16	13.9	13.6	13.9	13.1	13.8	13.7	14.2	14.0
10/23/2012	17	13.9	13.5	13.7	13.2	13.8	13.8	14.3	14.0
10/23/2012	18	13.9	13.5	13.5	13.3	13.8	13.8	14.3	14.0
10/23/2012	19	13.9	13.5	13.4	13.2	13.8	13.8	14.3	14.0
10/23/2012	20	13.9	13.5	13.3	13.1	13.8	13.7	14.3	14.0
10/23/2012	21	13.9	13.5	13.2	12.9	13.8	13.7	14.3	14.0
10/23/2012	22	13.9	13.5	13.1	12.8	13.8	13.7	14.2	14.0
10/23/2012	23	13.9	13.4	12.9	12.7	13.7	13.6	14.2	14.0
10/23/2012	24	13.9	13.5	12.9	12.6	13.7	13.6	14.2	14.0

## 2012 4th 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)
10/24/2012	1	13.9	13.5	12.9	12.5	13.7	13.6	14.2	14.0
10/24/2012	2	13.8	13.5	13.0	12.4	13.7	13.5	14.2	13.9
10/24/2012	3	13.8	13.4	13.0	12.4	13.6	13.5	14.2	13.9
10/24/2012	4	13.8	13.4	13.0	12.4	13.6	13.5	14.2	13.9
10/24/2012	5	13.8	13.4	13.0	12.4	13.6	13.5	14.2	13.9
10/24/2012	6	13.8	13.4	12.9	12.4	13.6	13.5	14.2	13.9
10/24/2012	7	13.8	13.4	12.9	12.4	13.6	13.5	14.2	13.8
10/24/2012	8	13.8	13.4	12.9	12.4	13.6	13.5	14.2	13.8
10/24/2012	9	13.7	13.4	12.9	12.3	13.6	13.4	14.1	13.8
10/24/2012	10	13.7	13.4	12.9	12.3	13.5	13.4	14.1	13.8
10/24/2012	11	13.7	13.4	13.0	12.3	13.6	13.4	14.1	13.8
10/24/2012	12	13.7	13.4	13.1	12.4	13.6	13.4	14.1	13.8
10/24/2012	13	13.7	13.4	13.1	12.4	13.6	13.4	14.1	13.8
10/24/2012	14	13.7	13.4	13.1	12.4	13.6	13.5	14.1	13.8
10/24/2012	15	13.7	13.4	13.1	12.4	13.6	13.5	14.1	13.8
10/24/2012	16	13.7	13.4	13.1	12.5	13.5	13.4	14.1	13.8
10/24/2012	17	13.7	13.4	13.0	12.5	13.5	13.4	14.1	13.8
10/24/2012	18	13.7	13.3	13.0	12.5	13.5	13.4	14.1	13.8
10/24/2012	19	13.7	13.3	12.9	12.4	13.5	13.4	14.0	13.7
10/24/2012	20	13.7	13.3	12.9	12.4	13.5	13.4	14.0	13.7
10/24/2012	21	13.6	13.3	12.9	12.3	13.4	13.3	14.0	13.7
10/24/2012	22	13.6	13.2	12.9	12.3	13.4	13.3	13.9	13.6
10/24/2012	23	13.6	13.2	12.8	12.3	13.4	13.3	13.9	13.6
10/24/2012	24	13.5	13.2	12.8	12.3	13.3	13.3	13.9	13.6
10/25/2012	1	13.5	13.1	12.8	12.3	13.3	13.2	13.9	13.5
10/25/2012	2	13.5	13.1	12.8	12.3	13.3	13.2	13.8	13.5
10/25/2012	3	13.5	13.1	12.8	12.2	13.3	13.2	13.8	13.5
10/25/2012	4	13.4	13.1	12.8	12.2	13.2	13.2	13.8	13.5
10/25/2012	5	13.4	13.0	12.8	12.2	13.2	13.1	13.8	13.5
10/25/2012	6	13.4	13.0	12.8	12.2	13.2	13.1	13.8	13.4
10/25/2012	7	13.4	13.0	12.7	12.1	13.2	13.1	13.8	13.4
10/25/2012	8	13.4	13.0	12.6	12.1	13.2	13.1	13.7	13.4
10/25/2012	9	13.3	12.9	12.6	12.1	13.2	13.1	13.7	13.4
10/25/2012	10	13.3	13.0	12.8	12.1	13.2	13.1	13.7	13.4
10/25/2012	11	13.4	13.1	13.2	12.3	13.3	13.3	13.8	13.4
10/25/2012	12	13.4	13.1	13.6	12.3	13.3	13.3	13.8	13.5
10/25/2012	13	13.4	13.1	14.0	12.4	13.4	13.4	13.9	13.5
10/25/2012	14	13.5	13.1	14.3	12.6	13.4	13.4	13.9	13.6
10/25/2012	15	13.5	13.2	14.4	13.0	13.5	13.5	14.0	13.6
10/25/2012	16	13.6	13.3	14.2	13.4	13.6	13.6	14.0	13.7
10/25/2012	17	13.7	13.4	14.0	13.7	13.7	13.7	14.1	13.8
10/25/2012	18	13.7	13.4	13.8	13.8	13.8	13.8	14.1	13.8
10/25/2012	19	13.7	13.4	13.4	13.6	13.7	13.8	14.1	13.9
10/25/2012	20	13.8	13.4	13.2	13.4	13.7	13.7	14.1	13.8
10/25/2012	21	13.8	13.4	13.0	13.2	13.7	13.7	14.1	13.8
10/25/2012	22	13.8	13.4	12.9	12.9	13.6	13.6	14.1	13.8

## 2012 4th 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)
10/25/2012	23	13.7	13.4	12.9	12.7	13.6	13.5	14.1	13.8
10/25/2012	24	13.7	13.3	12.8	12.5	13.5	13.5	14.1	13.8
10/26/2012	1	13.7	13.3	12.8	12.4	13.5	13.4	14.1	13.8
10/26/2012	2	13.7	13.3	12.8	12.3	13.5	13.4	14.1	13.8
10/26/2012	3	13.7	13.3	12.8	12.2	13.5	13.4	14.1	13.7
10/26/2012	4	13.7	13.3	12.8	12.2	13.5	13.4	14.0	13.7
10/26/2012	5	13.7	13.3	12.8	12.2	13.4	13.3	14.0	13.7
10/26/2012	6	13.6	13.2	12.7	12.2	13.4	13.3	14.0	13.7
10/26/2012	7	13.6	13.2	12.7	12.2	13.4	13.3	14.0	13.7
10/26/2012	8	13.6	13.2	12.7	12.2	13.4	13.3	14.0	13.6
10/26/2012	9	13.6	13.2	12.7	12.2	13.4	13.3	13.9	13.6
10/26/2012	10	13.6	13.2	12.8	12.2	13.4	13.3	13.9	13.6
10/26/2012	11	13.5	13.2	12.8	12.2	13.4	13.3	14.0	13.6
10/26/2012	12	13.6	13.2	12.8	12.2	13.4	13.3	14.0	13.6
10/26/2012	13	13.6	13.2	12.9	12.2	13.4	13.3	14.0	13.6
10/26/2012	14	13.6	13.3	13.0	12.3	13.4	13.4	14.0	13.6
10/26/2012	15	13.6	13.3	13.2	12.3	13.4	13.4	14.0	13.7
10/26/2012	16	13.6	13.3	13.2	12.4	13.5	13.4	14.0	13.7
10/26/2012	17	13.6	13.3	13.2	12.5	13.5	13.4	14.0	13.7
10/26/2012	18	13.6	13.3	13.1	12.6	13.5	13.4	14.0	13.7
10/26/2012	19	13.6	13.3	13.0	12.6	13.5	13.4	14.0	13.7
10/26/2012	20	13.6	13.3	12.9	12.6	13.5	13.4	14.0	13.7
10/26/2012	21	13.6	13.3	12.9	12.5	13.4	13.4	14.0	13.7
10/26/2012	22	13.6	13.3	12.8	12.4	13.4	13.4	14.0	13.7
10/26/2012	23	13.6	13.2	12.8	12.3	13.4	13.3	14.0	13.7
10/26/2012	24	13.6	13.2	12.8	12.3	13.4	13.3	14.0	13.7
10/27/2012	1	13.6	13.2	12.8	12.2	13.4	13.3	13.9	13.6
10/27/2012	2	13.6	13.2	12.8	12.2	13.4	13.3	13.9	13.6
10/27/2012	3	13.6	13.2	12.8	12.2	13.3	13.2	13.9	13.6
10/27/2012	4	13.5	13.2	12.8	12.2	13.3	13.2	13.9	13.5
10/27/2012	5	13.5	13.1	12.8	12.2	13.3	13.2	13.8	13.5
10/27/2012	6	13.5	13.1	12.8	12.2	13.2	13.1	13.8	13.5
10/27/2012	7	13.4	13.1	12.8	12.2	13.2	13.1	13.8	13.4
10/27/2012	8	13.4	13.0	12.8	12.2	13.2	13.1	13.7	13.4
10/27/2012	9	13.3	13.0	12.8	12.2	13.1	13.1	13.7	13.4
10/27/2012	10	13.3	13.0	12.8	12.2	13.1	13.1	13.7	13.4
10/27/2012	11	13.3	13.0	12.8	12.2	13.1	13.0	13.7	13.3
10/27/2012	12	13.3	13.0	13.0	12.3	13.1	13.1	13.6	13.3
10/27/2012	13	13.2	13.0	13.1	12.3	13.1	13.0	13.6	13.3
10/27/2012	14	13.2	13.0	13.1	12.4	13.1	13.1	13.6	13.3
10/27/2012	15	13.2	13.0	13.3	12.6	13.1	13.1	13.6	13.3
10/27/2012	16	13.2	12.9	13.2	12.6	13.1	13.1	13.6	13.3
10/27/2012	17	13.2	12.9	13.1	12.6	13.1	13.1	13.6	13.3
10/27/2012	18	13.2	12.9	13.0	12.7	13.1	13.1	13.6	13.3
10/27/2012	19	13.2	12.9	12.9	12.7	13.2	13.1	13.6	13.3
10/27/2012	20	13.2	12.9	12.8	12.6	13.1	13.1	13.6	13.3

## 2012 4th 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)
10/27/2012	21	13.2	12.9	12.8	12.5	13.1	13.1	13.6	13.3
10/27/2012	22	13.2	12.9	12.7	12.4	13.1	13.1	13.6	13.3
10/27/2012	23	13.2	12.9	12.7	12.3	13.1	13.1	13.6	13.3
10/27/2012	24	13.2	12.9	12.8	12.3	13.1	13.1	13.6	13.3
10/28/2012	1	13.2	12.9	12.7	12.3	13.1	13.0	13.6	13.3
10/28/2012	2	13.2	12.9	12.7	12.2	13.1	13.0	13.6	13.3
10/28/2012	3	13.2	12.9	12.7	12.2	13.1	13.0	13.6	13.3
10/28/2012	4	13.2	12.9	12.7	12.2	13.1	13.0	13.6	13.3
10/28/2012	5	13.2	12.8	12.6	12.2	13.1	13.0	13.5	13.3
10/28/2012	6	13.2	12.8	12.5	12.2	13.0	13.0	13.5	13.2
10/28/2012	7	13.2	12.8	12.5	12.1	13.0	12.9	13.5	13.2
10/28/2012	8	13.2	12.8	12.5	12.1	13.0	12.9	13.5	13.2
10/28/2012	9	13.1	12.8	12.5	12.1	12.9	12.9	13.5	13.2
10/28/2012	10	13.1	12.8	12.7	12.1	13.0	12.9	13.5	13.1
10/28/2012	11	13.1	12.9	13.1	12.2	13.0	13.0	13.5	13.2
10/28/2012	12	13.1	12.9	13.4	12.4	13.0	13.0	13.5	13.2
10/28/2012	13	13.1	13.0	13.7	12.5	13.1	13.1	13.6	13.2
10/28/2012	14	13.2	13.0	14.0	12.8	13.2	13.2	13.6	13.3
10/28/2012	15	13.2	13.1	14.2	13.0	13.3	13.3	13.6	13.4
10/28/2012	16	13.3	13.1	14.0	13.3	13.3	13.4	13.7	13.4
10/28/2012	17	13.3	13.1	13.8	13.5	13.4	13.4	13.7	13.4
10/28/2012	18	13.3	13.1	13.5	13.6	13.4	13.4	13.7	13.5
10/28/2012	19	13.3	13.0	13.2	13.5	13.4	13.4	13.7	13.5
10/28/2012	20	13.3	13.1	13.0	13.3	13.4	13.4	13.7	13.4
10/28/2012	21	13.3	13.0	12.8	13.1	13.3	13.3	13.7	13.4
10/28/2012	22	13.3	13.0	12.8	12.9	13.3	13.3	13.7	13.4
10/28/2012	23	13.3	13.1	12.8	12.7	13.2	13.2	13.7	13.4
10/28/2012	24	13.3	13.1	12.9	12.6	13.2	13.2	13.7	13.4
10/29/2012	1	13.3	13.1	12.9	12.5	13.2	13.2	13.7	13.4
10/29/2012	2	13.3	13.0	12.9	12.5	13.2	13.1	13.7	13.4
10/29/2012	3	13.3	13.0	12.9	12.5	13.2	13.1	13.7	13.4
10/29/2012	4	13.3	13.0	12.8	12.5	13.2	13.1	13.7	13.3
10/29/2012	5	13.3	13.0	12.8	12.5	13.1	13.1	13.7	13.3
10/29/2012	6	13.3	13.0	12.8	12.5	13.2	13.1	13.7	13.3
10/29/2012	7	13.3	13.0	12.8	12.5	13.2	13.1	13.7	13.3
10/29/2012	8	13.3	13.0	12.9	12.4	13.2	13.1	13.7	13.3
10/29/2012	9	13.3	13.0	13.0	12.5	13.2	13.1	13.7	13.4
10/29/2012	10	13.3	13.1	13.2	12.6	13.2	13.2	13.7	13.4
10/29/2012	11	13.3	13.1	13.4	12.8	13.3	13.3	13.7	13.4
10/29/2012	12	13.3	13.1	13.8	13.0	13.3	13.4	13.7	13.4
10/29/2012	13	13.4	13.2	14.4	13.1	13.4	13.5	13.8	13.4
10/29/2012	14	13.4	13.2	14.7	13.2	13.4	13.5	13.8	13.5
10/29/2012	15	13.5	13.2	14.8	13.5	13.5	13.6	13.8	13.6
10/29/2012	16	13.5	13.3	14.5	13.9	13.6	13.7	13.9	13.6
10/29/2012	17	13.5	13.3	14.1	14.2	13.6	13.7	13.9	13.6
10/29/2012	18	13.5	13.2	13.7	14.2	13.6	13.7	13.9	13.6

## 2012 4th 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)
10/29/2012	19	13.5	13.2	13.4	14.0	13.6	13.6	13.9	13.6
10/29/2012	20	13.5	13.2	13.1	13.7	13.5	13.6	13.9	13.5
10/29/2012	21	13.5	13.2	12.9	13.4	13.4	13.5	13.9	13.5
10/29/2012	22	13.5	13.2	12.9	13.1	13.4	13.4	13.8	13.5
10/29/2012	23	13.5	13.2	12.9	12.9	13.4	13.4	13.8	13.5
10/29/2012	24	13.5	13.2	13.0	12.7	13.4	13.3	13.8	13.5
10/30/2012	1	13.4	13.2	12.9	12.6	13.3	13.3	13.8	13.5
10/30/2012	2	13.4	13.2	13.0	12.6	13.3	13.2	13.8	13.4
10/30/2012	3	13.4	13.2	13.1	12.6	13.3	13.2	13.8	13.4
10/30/2012	4	13.4	13.2	13.2	12.7	13.3	13.2	13.8	13.4
10/30/2012	5	13.3	13.2	13.2	12.7	13.3	13.2	13.8	13.4
10/30/2012	6	13.3	13.2	13.2	12.8	13.3	13.3	13.8	13.4
10/30/2012	7	13.4	13.2	13.2	12.8	13.3	13.3	13.8	13.4
10/30/2012	8	13.4	13.2	13.2	12.8	13.3	13.3	13.8	13.4
10/30/2012	9	13.4	13.2	13.3	12.9	13.3	13.3	13.8	13.4
10/30/2012	10	13.4	13.2	13.4	12.9	13.3	13.3	13.8	13.4
10/30/2012	11	13.4	13.2	13.5	13.0	13.3	13.3	13.8	13.4
10/30/2012	12	13.4	13.3	13.7	13.1	13.3	13.4	13.8	13.4
10/30/2012	13	13.4	13.3	13.7	13.2	13.4	13.4	13.8	13.4
10/30/2012	14	13.4	13.3	13.8	13.3	13.4	13.5	13.8	13.5
10/30/2012	15	13.4	13.3	13.9	13.5	13.4	13.5	13.8	13.5
10/30/2012	16	13.4	13.4	13.9	13.5	13.4	13.5	13.8	13.5
10/30/2012	17	13.5	13.3	13.9	13.6	13.4	13.5	13.8	13.5
10/30/2012	18	13.5	13.3	13.8	13.6	13.5	13.5	13.8	13.5
10/30/2012	19	13.5	13.3	13.7	13.6	13.4	13.5	13.8	13.5
10/30/2012	20	13.4	13.3	13.6	13.5	13.4	13.5	13.8	13.5
10/30/2012	21	13.4	13.3	13.5	13.5	13.4	13.5	13.8	13.5
10/30/2012	22	13.4	13.3	13.5	13.4	13.4	13.5	13.8	13.5
10/30/2012	23	13.4	13.3	13.5	13.4	13.4	13.5	13.9	13.5
10/30/2012	24	13.5	13.3	13.5	13.3	13.4	13.5	13.9	13.5
10/31/2012	1	13.5	13.3	13.4	13.3	13.4	13.5	13.9	13.5
10/31/2012	2	13.5	13.3	13.4	13.2	13.4	13.5	13.9	13.5
10/31/2012	3	13.5	13.3	13.4	13.2	13.4	13.5	13.9	13.5
10/31/2012	4	13.5	13.3	13.4	13.2	13.4	13.5	13.9	13.5
10/31/2012	5	13.5	13.3	13.4	13.2	13.4	13.5	13.9	13.5
10/31/2012	6	13.5	13.3	13.5	13.2	13.4	13.5	13.9	13.5
10/31/2012	7	13.5	13.3	13.5	13.2	13.4	13.5	13.9	13.5
10/31/2012	8	13.5	13.3	13.4	13.2	13.4	13.4	13.9	13.5
10/31/2012	9	13.5	13.3	13.4	13.2	13.4	13.4	13.9	13.5
10/31/2012	10	13.5	13.3	13.5	13.2	13.4	13.5	13.9	13.5
10/31/2012	11	13.5	13.4	13.6	13.3	13.4	13.5	13.9	13.5
10/31/2012	12	13.5	13.4	13.6	13.3	13.4	13.5	13.9	13.5
10/31/2012	13	13.5	13.4	13.7	13.3	13.4	13.5	13.9	13.5
10/31/2012	14	13.5	13.4	13.8	13.4	13.5	13.5	13.9	13.5
10/31/2012	15	13.5	13.4	13.9	13.5	13.5	13.5	13.9	13.5
10/31/2012	16	13.5	13.4	13.8	13.5	13.5	13.5	13.9	13.5



## 2012 4th 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)
10/31/2012	17	13.5	13.4	13.8	13.6	13.5	13.5	13.9	13.5
10/31/2012	18	13.5	13.4	13.7	13.6	13.5	13.5	13.9	13.5
10/31/2012	19	13.5	13.3	13.6	13.6	13.5	13.5	13.9	13.5
10/31/2012	20	13.5	13.3	13.5	13.6	13.5	13.5	13.8	13.5
10/31/2012	21	13.4	13.3	13.5	13.5	13.4	13.5	13.8	13.5
10/31/2012	22	13.4	13.3	13.5	13.4	13.4	13.5	13.8	13.5
10/31/2012	23	13.4	13.3	13.5	13.4	13.4	13.5	13.8	13.5
10/31/2012	24	13.4	13.3	13.4	13.3	13.4	13.4	13.8	13.5
11/1/2012	1	13.4	13.2	13.4	13.3	13.4	13.4	13.8	13.5
11/1/2012	2	13.4	13.2	13.3	13.2	13.4	13.4	13.8	13.5
11/1/2012	3	13.4	13.2	13.3	13.2	13.4	13.4	13.8	13.5
11/1/2012	4	13.4	13.2	13.2	13.1	13.4	13.4	13.8	13.4
11/1/2012	5	13.4	13.2	13.3	13.1	13.4	13.4	13.8	13.4
11/1/2012	6	13.4	13.2	13.3	13.1	13.4	13.4	13.8	13.4
11/1/2012	7	13.4	13.2	13.3	13.0	13.3	13.4	13.8	13.4
11/1/2012	8	13.4	13.2	13.3	13.0	13.3	13.4	13.8	13.4
11/1/2012	9	13.4	13.2	13.4	13.1	13.4	13.4	13.8	13.4
11/1/2012	10	13.4	13.3	13.5	13.1	13.4	13.4	13.8	13.4
11/1/2012	11	13.4	13.3	13.5	13.2	13.4	13.4	13.8	13.5
11/1/2012	12	13.4	13.3	13.8	13.3	13.4	13.5	13.8	13.5
11/1/2012	13	13.4	13.4	13.8	13.4	13.4	13.5	13.9	13.5
11/1/2012	14	13.5	13.4	14.2	13.5	13.5	13.6	13.9	13.5
11/1/2012	15	13.5	13.4	14.1	13.6	13.5	13.6	13.9	13.6
11/1/2012	16	13.5	13.4	14.1	13.8	13.6	13.7	13.9	13.6
11/1/2012	17	13.5	13.4	14.0	13.9	13.6	13.7	13.9	13.6
11/1/2012	18	13.6	13.4	13.8	13.9	13.6	13.7	13.9	13.6
11/1/2012	19	13.5	13.3	13.5	13.8	13.6	13.6	13.9	13.6
11/1/2012	20	13.5	13.3	13.3	13.6	13.5	13.6	13.9	13.6
11/1/2012	21	13.5	13.3	13.2	13.4	13.5	13.5	13.9	13.6
11/1/2012	22	13.5	13.3	13.2	13.3	13.5	13.5	13.9	13.6
11/1/2012	23	13.5	13.3	13.2	13.1	13.4	13.4	13.9	13.6
11/1/2012	24	13.5	13.3	13.2	13.0	13.4	13.4	13.9	13.5
11/2/2012	1	13.5	13.2	13.1	12.9	13.4	13.4	13.9	13.5
11/2/2012	2	13.5	13.2	13.0	12.8	13.4	13.4	13.9	13.5
11/2/2012	3	13.5	13.2	13.0	12.8	13.4	13.4	13.9	13.5
11/2/2012	4	13.4	13.2	13.0	12.7	13.3	13.3	13.8	13.5
11/2/2012	5	13.4	13.1	12.9	12.7	13.3	13.3	13.8	13.5
11/2/2012	6	13.4	13.1	12.9	12.6	13.3	13.3	13.8	13.4
11/2/2012	7	13.4	13.1	12.9	12.6	13.3	13.2	13.8	13.4
11/2/2012	8	13.3	13.1	12.9	12.6	13.3	13.2	13.8	13.4
11/2/2012	9	13.3	13.1	13.0	12.6	13.2	13.2	13.7	13.4
11/2/2012	10	13.3	13.1	13.2	12.6	13.2	13.2	13.7	13.4
11/2/2012	11	13.3	13.2	13.3	12.7	13.2	13.3	13.7	13.4
11/2/2012	12	13.3	13.2	13.4	12.8	13.3	13.3	13.7	13.4
11/2/2012	13	13.3	13.2	13.6	12.9	13.3	13.3	13.7	13.4
11/2/2012	14	13.3	13.3	13.8	13.1	13.3	13.4	13.7	13.4

## 2012 4th 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)
11/2/2012	15	13.3	13.3	13.8	13.2	13.3	13.4	13.7	13.4
11/2/2012	16	13.4	13.3	13.8	13.4	13.4	13.4	13.7	13.4
11/2/2012	17	13.4	13.2	13.7	13.5	13.4	13.4	13.7	13.4
11/2/2012	18	13.4	13.2	13.5	13.5	13.4	13.4	13.7	13.4
11/2/2012	19	13.3	13.1	13.4	13.4	13.4	13.4	13.7	13.4
11/2/2012	20	13.3	13.1	13.2	13.4	13.3	13.4	13.7	13.4
11/2/2012	21	13.3	13.1	13.2	13.3	13.3	13.4	13.7	13.4
11/2/2012	22	13.3	13.1	13.2	13.1	13.3	13.3	13.7	13.4
11/2/2012	23	13.3	13.1	13.2	13.0	13.3	13.3	13.7	13.4
11/2/2012	24	13.3	13.1	13.2	12.9	13.3	13.3	13.7	13.4
11/3/2012	1	13.3	13.1	13.2	12.9	13.3	13.3	13.7	13.4
11/3/2012	2	13.3	13.1	13.2	12.9	13.2	13.3	13.7	13.4
11/3/2012	3	13.3	13.1	13.2	12.9	13.2	13.3	13.7	13.4
11/3/2012	4	13.3	13.1	13.2	12.9	13.2	13.3	13.7	13.4
11/3/2012	5	13.3	13.1	13.2	12.9	13.2	13.2	13.7	13.4
11/3/2012	6	13.3	13.1	13.2	12.9	13.2	13.2	13.7	13.4
11/3/2012	7	13.3	13.1	13.2	12.9	13.2	13.2	13.7	13.4
11/3/2012	8	13.3	13.0	13.1	12.9	13.2	13.2	13.7	13.3
11/3/2012	9	13.3	13.1	13.2	12.9	13.2	13.2	13.7	13.3
11/3/2012	10	13.3	13.1	13.3	12.9	13.2	13.2	13.7	13.3
11/3/2012	11	13.3	13.2	13.5	13.1	13.2	13.3	13.7	13.3
11/3/2012	12	13.3	13.2	13.7	13.1	13.2	13.3	13.7	13.4
11/3/2012	13	13.3	13.2	13.8	13.2	13.3	13.3	13.7	13.4
11/3/2012	14	13.3	13.2	14.0	13.4	13.3	13.4	13.7	13.4
11/3/2012	15	13.3	13.3	14.1	13.6	13.4	13.5	13.7	13.4
11/3/2012	16	13.3	13.3	14.1	13.7	13.4	13.5	13.7	13.4
11/3/2012	17	13.4	13.3	14.0	13.8	13.4	13.5	13.8	13.4
11/3/2012	18	13.3	13.2	13.8	13.8	13.4	13.5	13.8	13.4
11/3/2012	19	13.4	13.2	13.6	13.8	13.4	13.5	13.8	13.4
11/3/2012	20	13.3	13.2	13.4	13.7	13.4	13.5	13.8	13.4
11/3/2012	21	13.3	13.2	13.3	13.5	13.4	13.4	13.8	13.4
11/3/2012	22	13.3	13.2	13.3	13.4	13.4	13.4	13.8	13.4
11/3/2012	23	13.3	13.1	13.2	13.2	13.3	13.4	13.8	13.4
11/3/2012	24	13.3	13.2	13.2	13.1	13.3	13.4	13.8	13.4
11/4/2012	1	13.3	13.2	13.3	13.0	13.3	13.3	13.8	13.4
11/4/2012	2	13.3	13.2	13.3	13.0	13.3	13.3	13.7	13.4
11/4/2012	3	13.3	13.2	13.3	13.0	13.3	13.3	13.7	13.4
11/4/2012	4	13.3	13.2	13.3	13.0	13.3	13.3	13.7	13.4
11/4/2012	5	13.3	13.2	13.3	13.0	13.3	13.3	13.7	13.4
11/4/2012	6	13.3	13.1	13.2	13.0	13.3	13.3	13.7	13.4
11/4/2012	7	13.3	13.1	13.2	13.0	13.3	13.3	13.7	13.4
11/4/2012	8	13.3	13.1	13.2	12.9	13.3	13.3	13.7	13.4
11/4/2012	9	13.3	13.1	13.2	12.9	13.3	13.3	13.7	13.4
11/4/2012	10	13.3	13.2	13.3	13.0	13.3	13.3	13.7	13.4
11/4/2012	11	13.3	13.2	13.5	13.0	13.3	13.3	13.7	13.4
11/4/2012	12	13.3	13.2	13.6	13.1	13.3	13.3	13.7	13.4

## 2012 4th 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)
11/4/2012	13	13.3	13.3	13.7	13.2	13.3	13.4	13.7	13.4
11/4/2012	14	13.3	13.3	13.8	13.3	13.3	13.4	13.7	13.4
11/4/2012	15	13.3	13.3	13.9	13.4	13.4	13.4	13.8	13.4
11/4/2012	16	13.3	13.3	14.0	13.5	13.4	13.5	13.8	13.4
11/4/2012	17	13.3	13.3	13.9	13.6	13.4	13.5	13.8	13.4
11/4/2012	18	13.3	13.2	13.8	13.7	13.4	13.5	13.8	13.4
11/4/2012	19	13.3	13.2	13.6	13.7	13.4	13.5	13.8	13.4
11/4/2012	20	13.3	13.2	13.4	13.6	13.4	13.4	13.8	13.4
11/4/2012	21	13.3	13.2	13.3	13.5	13.4	13.4	13.8	13.4
11/4/2012	22	13.3	13.1	13.2	13.4	13.4	13.4	13.8	13.4
11/4/2012	23	13.3	13.1	13.2	13.2	13.3	13.4	13.8	13.4
11/4/2012	24	13.3	13.1	13.1	13.1	13.3	13.3	13.7	13.4
11/4/2012	1	13.3	13.1	13.1	13.0	13.3	13.3	13.7	13.4
11/5/2012	2	13.3	13.1	13.1	12.9	13.3	13.3	13.7	13.4
11/5/2012	3	13.3	13.1	13.1	12.9	13.3	13.3	13.7	13.4
11/5/2012	4	13.3	13.1	13.1	12.8	13.3	13.2	13.7	13.4
11/5/2012	5	13.3	13.1	13.1	12.8	13.2	13.2	13.7	13.4
11/5/2012	6	13.3	13.1	13.1	12.8	13.2	13.2	13.6	13.4
11/5/2012	7	13.3	13.0	13.1	12.8	13.2	13.2	13.6	13.3
11/5/2012	8	13.2	13.0	13.0	12.8	13.2	13.2	13.6	13.3
11/5/2012	9	13.2	13.0	13.0	12.8	13.2	13.1	13.6	13.3
11/5/2012	10	13.2	13.0	13.1	12.8	13.2	13.2	13.6	13.3
11/5/2012	11	13.2	13.1	13.4	12.8	13.2	13.2	13.6	13.3
11/5/2012	12	13.2	13.1	13.7	12.9	13.2	13.2	13.7	13.3
11/5/2012	13	13.2	13.2	14.0	13.1	13.2	13.3	13.7	13.3
11/5/2012	14	13.3	13.2	14.1	13.2	13.3	13.3	13.7	13.3
11/5/2012	15	13.3	13.2	14.0	13.5	13.3	13.4	13.7	13.4
11/5/2012	16	13.3	13.2	13.8	13.7	13.3	13.4	13.7	13.4
11/5/2012	17	13.3	13.1	13.6	13.7	13.3	13.4	13.7	13.4
11/5/2012	18	13.3	13.1	13.4	13.7	13.3	13.4	13.7	13.4
11/5/2012	19	13.3	13.1	13.2	13.5	13.3	13.4	13.7	13.3
11/5/2012	20	13.2	13.0	13.1	13.4	13.3	13.3	13.6	13.3
11/5/2012	21	13.2	13.0	13.0	13.1	13.2	13.3	13.6	13.3
11/5/2012	22	13.2	12.9	12.8	12.9	13.2	13.2	13.6	13.3
11/5/2012	23	13.2	12.9	12.7	12.8	13.2	13.2	13.6	13.3
11/5/2012	24	13.2	12.9	12.7	12.6	13.1	13.1	13.6	13.3
11/5/2012	1	13.2	12.8	12.6	12.5	13.1	13.0	13.6	13.3
11/6/2012	2	13.2	12.8	12.5	12.3	13.0	13.0	13.5	13.2
11/6/2012	3	13.1	12.8	12.5	12.2	13.0	12.9	13.5	13.2
11/6/2012	4	13.1	12.8	12.4	12.1	13.0	12.9	13.5	13.2
11/6/2012	5	13.1	12.7	12.3	12.1	12.9	12.9	13.5	13.1
11/6/2012	6	13.0	12.7	12.3	12.0	12.9	12.8	13.4	13.1
11/6/2012	7	13.0	12.7	12.3	12.0	12.8	12.8	13.4	13.1
11/6/2012	8	13.0	12.6	12.2	11.9	12.8	12.8	13.4	13.1
11/6/2012	9	13.0	12.6	12.2	11.9	12.8	12.8	13.4	13.0
11/6/2012	10	13.0	12.7	12.4	11.9	12.8	12.8	13.4	13.0

## 2012 4th 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)
11/6/2012	11	13.0	12.8	12.8	12.0	12.9	12.8	13.4	13.1
11/6/2012	12	13.0	12.8	13.2	12.1	12.9	12.9	13.4	13.1
11/6/2012	13	13.1	12.8	13.5	12.3	13.0	13.0	13.5	13.1
11/6/2012	14	13.1	12.9	13.7	12.5	13.0	13.0	13.5	13.1
11/6/2012	15	13.1	12.9	13.8	12.8	13.1	13.1	13.5	13.2
11/6/2012	16	13.1	12.9	13.7	13.2	13.1	13.1	13.5	13.2
11/6/2012	17	13.1	12.9	13.5	13.4	13.1	13.2	13.5	13.2
11/6/2012	18	13.1	12.9	13.3	13.4	13.1	13.2	13.5	13.2
11/6/2012	19	13.1	12.8	13.1	13.3	13.1	13.2	13.5	13.2
11/6/2012	20	13.1	12.8	12.9	13.1	13.1	13.1	13.5	13.2
11/6/2012	21	13.1	12.8	12.8	12.9	13.0	13.1	13.5	13.1
11/6/2012	22	13.0	12.8	12.7	12.8	13.0	13.0	13.4	13.1
11/6/2012	23	13.0	12.8	12.6	12.6	13.0	13.0	13.4	13.1
11/6/2012	24	13.0	12.7	12.5	12.4	12.9	12.9	13.4	13.1
11/6/2012	1	13.0	12.7	12.4	12.3	12.9	12.8	13.4	13.1
11/7/2012	2	13.0	12.6	12.2	12.1	12.8	12.8	13.3	13.0
11/7/2012	3	12.9	12.6	12.1	12.1	12.8	12.8	13.3	13.0
11/7/2012	4	12.9	12.5	12.0	11.9	12.8	12.7	13.2	13.0
11/7/2012	5	12.8	12.5	11.9	11.8	12.7	12.6	13.2	12.9
11/7/2012	6	12.8	12.4	11.8	11.6	12.6	12.5	13.2	12.9
11/7/2012	7	12.8	12.4	11.8	11.4	12.6	12.5	13.1	12.8
11/7/2012	8	12.7	12.4	11.8	11.4	12.5	12.4	13.1	12.8
11/7/2012	9	12.7	12.4	11.9	11.3	12.5	12.4	13.1	12.7
11/7/2012	10	12.7	12.3	11.9	11.4	12.5	12.4	13.1	12.7
11/7/2012	11	12.7	12.3	12.4	11.5	12.5	12.5	13.1	12.7
11/7/2012	12	12.7	12.4	12.8	11.6	12.5	12.5	13.2	12.7
11/7/2012	13	12.7	12.4	13.2	11.7	12.6	12.6	13.2	12.8
11/7/2012	14	12.7	12.4	13.5	11.9	12.6	12.6	13.2	12.8
11/7/2012	15	12.8	12.4	13.5	12.2	12.7	12.7	13.2	12.8
11/7/2012	16	12.8	12.4	13.2	12.6	12.8	12.8	13.2	12.9
11/7/2012	17	12.8	12.4	12.8	12.9	12.8	12.8	13.2	12.9
11/7/2012	18	12.8	12.4	12.5	12.8	12.8	12.8	13.2	12.9
11/7/2012	19	12.8	12.4	12.1	12.6	12.8	12.8	13.1	12.8
11/7/2012	20	12.7	12.3	11.9	12.4	12.7	12.7	13.1	12.8
11/7/2012	21	12.7	12.3	11.8	12.0	12.6	12.6	13.1	12.8
11/7/2012	22	12.7	12.3	11.7	11.7	12.6	12.5	13.1	12.8
11/7/2012	23	12.7	12.2	11.6	11.4	12.5	12.4	13.1	12.8
11/7/2012	24	12.7	12.2	11.5	11.2	12.5	12.4	13.1	12.8
11/7/2012	1	12.6	12.1	11.4	11.1	12.5	12.3	13.0	12.7
11/8/2012	2	12.6	12.1	11.4	11.0	12.4	12.2	13.0	12.7
11/8/2012	3	12.6	12.1	11.3	10.9	12.3	12.2	12.9	12.7
11/8/2012	4	12.5	12.0	11.3	10.8	12.3	12.1	12.9	12.6
11/8/2012	5	12.5	12.0	11.2	10.7	12.3	12.1	12.9	12.6
11/8/2012	6	12.5	12.0	11.2	10.7	12.2	12.1	12.8	12.5
11/8/2012	7	12.4	11.9	11.2	10.6	12.2	12.0	12.8	12.5
11/8/2012	8	12.4	11.9	11.2	10.6	12.1	12.0	12.8	12.4

## 2012 4th 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)
11/8/2012	9	12.3	11.9	11.2	10.6	12.1	11.9	12.8	12.4
11/8/2012	10	12.3	11.8	11.2	10.6	12.1	11.9	12.8	12.4
11/8/2012	11	12.3	11.8	11.6	10.7	12.1	12.0	12.8	12.3
11/8/2012	12	12.3	11.8	11.9	10.8	12.1	12.0	12.7	12.3
11/8/2012	13	12.3	11.9	12.2	10.9	12.1	12.1	12.7	12.3
11/8/2012	14	12.3	11.9	12.6	11.0	12.1	12.1	12.7	12.4
11/8/2012	15	12.3	11.9	12.7	11.3	12.2	12.2	12.7	12.4
11/8/2012	16	12.3	12.0	12.6	11.7	12.2	12.2	12.7	12.4
11/8/2012	17	12.3	12.0	12.4	12.0	12.3	12.2	12.7	12.4
11/8/2012	18	12.3	12.0	12.2	12.1	12.3	12.3	12.7	12.4
11/8/2012	19	12.3	11.9	12.0	12.0	12.3	12.2	12.7	12.4
11/8/2012	20	12.3	11.9	11.7	11.8	12.3	12.2	12.7	12.4
11/8/2012	21	12.3	11.9	11.5	11.6	12.2	12.2	12.7	12.4
11/8/2012	22	12.3	11.8	11.4	11.4	12.2	12.1	12.7	12.4
11/8/2012	23	12.3	11.8	11.4	11.2	12.2	12.1	12.7	12.4
11/8/2012	24	12.3	11.8	11.3	11.1	12.1	12.0	12.7	12.4
11/8/2012	1	12.3	11.8	11.3	10.9	12.1	12.0	12.7	12.4
11/9/2012	2	12.3	11.8	11.3	10.8	12.1	11.9	12.6	12.3
11/9/2012	3	12.2	11.8	11.2	10.7	12.0	11.9	12.6	12.3
11/9/2012	4	12.2	11.7	11.2	10.7	12.0	11.8	12.6	12.3
11/9/2012	5	12.2	11.6	11.1	10.6	12.0	11.8	12.5	12.2
11/9/2012	6	12.2	11.7	11.1	10.6	11.9	11.8	12.5	12.2
11/9/2012	7	12.1	11.6	11.0	10.5	11.9	11.7	12.5	12.2
11/9/2012	8	12.1	11.5	11.0	10.4	11.8	11.7	12.4	12.1
11/9/2012	9	12.0	11.5	11.0	10.4	11.8	11.6	12.4	12.1
11/9/2012	10	12.0	11.6	11.1	10.4	11.7	11.6	12.4	12.0
11/9/2012	11	12.0	11.5	11.3	10.5	11.8	11.7	12.4	12.0
11/9/2012	12	12.0	11.6	11.6	10.6	11.8	11.7	12.4	12.0
11/9/2012	13	12.0	11.6	11.9	10.8	11.9	11.8	12.4	12.0
11/9/2012	14	12.0	11.7	12.1	10.9	11.9	11.8	12.4	12.1
11/9/2012	15	12.0	11.6	12.1	11.0	11.9	11.8	12.4	12.1
11/9/2012	16	12.0	11.6	11.9	11.2	11.9	11.8	12.4	12.1
11/9/2012	17	12.1	11.6	11.7	11.3	12.0	11.9	12.4	12.1
11/9/2012	18	12.0	11.6	11.5	11.3	11.9	11.9	12.4	12.1
11/9/2012	19	12.0	11.5	11.3	11.2	11.9	11.9	12.4	12.1
11/9/2012	20	12.0	11.5	11.2	11.1	11.9	11.8	12.4	12.1
11/9/2012	21	12.0	11.5	11.1	10.9	11.8	11.8	12.4	12.1
11/9/2012	22	12.0	11.5	11.1	10.7	11.8	11.7	12.4	12.1
11/9/2012	23	12.0	11.5	11.1	10.6	11.8	11.7	12.4	12.1
11/9/2012	24	12.0	11.4	11.1	10.5	11.7	11.6	12.3	12.1
11/9/2012	1	11.9	11.4	11.1	10.5	11.7	11.6	12.3	12.0
11/10/2012	2	11.9	11.4	11.0	10.4	11.7	11.6	12.3	12.0
11/10/2012	3	11.9	11.4	11.0	10.4	11.7	11.6	12.2	12.0
11/10/2012	4	11.8	11.4	11.0	10.4	11.7	11.5	12.2	11.9
11/10/2012	5	11.8	11.3	11.0	10.3	11.6	11.5	12.2	11.9
11/10/2012	6	11.8	11.3	10.9	10.3	11.6	11.4	12.1	11.9

## 2012 4th 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)
11/10/2012	7	11.7	11.2	10.8	10.2	11.5	11.4	12.1	11.8
11/10/2012	8	11.7	11.2	10.8	10.2	11.5	11.3	12.1	11.8
11/10/2012	9	11.7	11.1	10.8	10.1	11.5	11.3	12.1	11.8
11/10/2012	10	11.7	11.2	10.8	10.1	11.4	11.3	12.1	11.7
11/10/2012	11	11.7	11.2	11.0	10.1	11.4	11.3	12.1	11.7
11/10/2012	12	11.7	11.2	11.3	10.2	11.5	11.4	12.1	11.7
11/10/2012	13	11.7	11.2	11.5	10.3	11.5	11.4	12.1	11.7
11/10/2012	14	11.7	11.2	11.6	10.3	11.5	11.4	12.1	11.8
11/10/2012	15	11.7	11.3	11.7	10.5	11.5	11.4	12.1	11.8
11/10/2012	16	11.7	11.2	11.6	10.7	11.5	11.4	12.1	11.8
11/10/2012	17	11.7	11.2	11.4	10.8	11.6	11.5	12.1	11.8
11/10/2012	18	11.7	11.2	11.2	10.8	11.6	11.5	12.1	11.8
11/10/2012	19	11.7	11.2	11.0	10.7	11.6	11.5	12.1	11.8
11/10/2012	20	11.7	11.1	10.7	10.5	11.5	11.4	12.1	11.8
11/10/2012	21	11.7	11.1	10.6	10.4	11.5	11.4	12.1	11.8
11/10/2012	22	11.7	11.1	10.6	10.2	11.5	11.4	12.1	11.8
11/10/2012	23	11.6	11.1	10.5	10.0	11.4	11.3	12.1	11.7
11/10/2012	24	11.6	11.0	10.4	9.9	11.4	11.2	12.0	11.7
11/10/2012	1	11.6	11.0	10.4	9.8	11.4	11.2	12.0	11.7
11/11/2012	2	11.6	11.0	10.2	9.6	11.3	11.1	11.9	11.6
11/11/2012	3	11.5	10.9	10.2	9.5	11.2	11.1	11.8	11.6
11/11/2012	4	11.5	10.9	10.1	9.4	11.2	11.0	11.8	11.6
11/11/2012	5	11.5	10.8	10.0	9.3	11.2	11.0	11.7	11.5
11/11/2012	6	11.4	10.7	9.9	9.2	11.1	10.9	11.7	11.4
11/11/2012	7	11.3	10.6	9.9	9.1	11.0	10.8	11.6	11.4
11/11/2012	8	11.2	10.6	9.9	9.0	10.9	10.7	11.6	11.3
11/11/2012	9	11.2	10.5	9.9	9.0	10.8	10.6	11.6	11.2
11/11/2012	10	11.1	10.5	10.0	9.0	10.8	10.6	11.6	11.2
11/11/2012	11	11.1	10.5	10.1	9.1	10.8	10.6	11.5	11.2
11/11/2012	12	11.1	10.5	10.3	9.1	10.8	10.6	11.5	11.2
11/11/2012	13	11.1	10.5	10.5	9.2	10.8	10.6	11.5	11.1
11/11/2012	14	11.1	10.5	10.5	9.3	10.8	10.6	11.5	11.2
11/11/2012	15	11.0	10.5	10.6	9.4	10.8	10.7	11.4	11.1
11/11/2012	16	11.0	10.5	10.7	9.6	10.8	10.7	11.5	11.1
11/11/2012	17	11.1	10.5	10.6	9.6	10.8	10.7	11.5	11.1
11/11/2012	18	11.1	10.5	10.5	9.7	10.9	10.8	11.5	11.2
11/11/2012	19	11.2	10.5	10.4	9.7	10.9	10.8	11.5	11.2
11/11/2012	20	11.2	10.6	10.3	9.7	11.0	10.9	11.5	11.3
11/11/2012	21	11.2	10.5	10.2	9.6	11.0	10.8	11.6	11.3
11/11/2012	22	11.2	10.5	10.0	9.5	11.0	10.8	11.6	11.3
11/11/2012	23	11.2	10.5	9.7	9.3	10.9	10.7	11.6	11.2
11/11/2012	24	11.1	10.4	9.6	9.2	10.9	10.7	11.6	11.2
11/11/2012	1	11.1	10.4	9.5	8.9	10.8	10.6	11.5	11.2
11/12/2012	2	11.1	10.4	9.5	8.7	10.7	10.5	11.5	11.2
11/12/2012	3	11.0	10.3	9.4	8.5	10.7	10.4	11.5	11.2
11/12/2012	4	11.0	10.3	9.6	8.5	10.7	10.4	11.5	11.1

## 2012 4th 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)
11/12/2012	5	11.0	10.4	9.6	8.5	10.6	10.4	11.4	11.1
11/12/2012	6	11.0	10.4	9.8	8.5	10.6	10.4	11.4	11.1
11/12/2012	7	11.0	10.3	10.0	8.6	10.6	10.4	11.4	11.1
11/12/2012	8	11.0	10.3	10.1	8.8	10.6	10.4	11.4	11.0
11/12/2012	9	11.0	10.4	10.2	8.9	10.6	10.5	11.4	11.0
11/12/2012	10	11.0	10.4	10.4	9.1	10.6	10.5	11.4	11.0
11/12/2012	11	11.0	10.5	10.6	9.3	10.7	10.6	11.4	11.0
11/12/2012	12	11.0	10.5	10.9	9.5	10.7	10.7	11.4	11.0
11/12/2012	13	11.0	10.6	11.4	9.8	10.8	10.8	11.4	11.0
11/12/2012	14	11.0	10.5	11.6	10.0	10.8	10.8	11.4	11.1
11/12/2012	15	11.0	10.5	11.6	10.2	10.9	10.9	11.4	11.1
11/12/2012	16	11.0	10.5	11.5	10.5	10.9	10.9	11.4	11.0
11/12/2012	17	11.0	10.5	11.1	10.7	10.9	10.9	11.3	11.0
11/12/2012	18	10.9	10.4	10.9	10.7	10.9	10.9	11.3	11.0
11/12/2012	19	10.9	10.3	10.6	10.5	10.8	10.8	11.3	11.0
11/12/2012	20	10.9	10.3	10.4	10.2	10.8	10.8	11.3	11.0
11/12/2012	21	10.9	10.2	10.3	10.0	10.7	10.7	11.3	11.0
11/12/2012	22	10.9	10.2	10.3	9.8	10.7	10.6	11.3	10.9
11/12/2012	23	10.9	10.2	10.3	9.6	10.6	10.5	11.3	10.9
11/12/2012	24	10.8	10.2	10.3	9.4	10.6	10.5	11.3	10.9
11/12/2012	1	10.8	10.2	10.1	9.3	10.6	10.5	11.3	10.9
11/13/2012	2	10.8	10.1	10.1	9.3	10.6	10.4	11.3	10.9
11/13/2012	3	10.8	10.2	10.2	9.3	10.5	10.4	11.3	10.9
11/13/2012	4	10.8	10.2	10.3	9.2	10.5	10.4	11.3	10.9
11/13/2012	5	10.8	10.2	10.3	9.2	10.5	10.4	11.3	10.9
11/13/2012	6	10.8	10.2	10.4	9.3	10.6	10.5	11.3	10.9
11/13/2012	7	10.8	10.3	10.4	9.3	10.6	10.5	11.3	10.9
11/13/2012	8	10.9	10.3	10.4	9.4	10.6	10.5	11.3	10.9
11/13/2012	9	10.9	10.3	10.5	9.5	10.6	10.5	11.3	10.9
11/13/2012	10	10.9	10.4	10.6	9.5	10.7	10.6	11.3	11.0
11/13/2012	11	10.9	10.4	10.7	9.7	10.7	10.6	11.3	11.0
11/13/2012	12	11.0	10.6	11.0	9.8	10.8	10.7	11.4	11.1
11/13/2012	13	11.0	10.6	11.2	9.9	10.8	10.8	11.4	11.1
11/13/2012	14	11.0	10.7	11.3	10.1	10.9	10.8	11.4	11.1
11/13/2012	15	11.0	10.7	11.4	10.3	10.9	10.9	11.4	11.1
11/13/2012	16	11.0	10.7	11.3	10.4	10.9	10.9	11.4	11.1
11/13/2012	17	11.0	10.7	11.2	10.6	11.0	11.0	11.4	11.1
11/13/2012	18	11.1	10.6	11.1	10.7	11.0	11.0	11.4	11.1
11/13/2012	19	11.0	10.6	11.0	10.6	11.0	11.0	11.4	11.1
11/13/2012	20	11.0	10.6	10.9	10.5	11.0	11.0	11.4	11.1
11/13/2012	21	11.0	10.6	10.8	10.4	10.9	10.9	11.4	11.1
11/13/2012	22	11.0	10.6	10.8	10.3	10.9	10.9	11.4	11.1
11/13/2012	23	11.0	10.6	10.8	10.2	10.9	10.9	11.4	11.1
11/13/2012	24	11.0	10.5	10.8	10.1	10.9	10.8	11.4	11.1
11/13/2012	1	11.0	10.5	10.7	10.1	10.9	10.8	11.4	11.1
11/14/2012	2	11.0	10.5	10.7	10.1	10.9	10.8	11.4	11.1

## 2012 4th 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)
11/14/2012	3	11.0	10.5	10.7	10.0	10.9	10.8	11.4	11.1
11/14/2012	4	11.0	10.5	10.7	10.0	10.8	10.8	11.4	11.1
11/14/2012	5	11.0	10.5	10.6	10.0	10.8	10.8	11.4	11.1
11/14/2012	6	11.0	10.5	10.6	10.0	10.8	10.8	11.4	11.1
11/14/2012	7	11.0	10.5	10.6	9.9	10.8	10.8	11.4	11.1
11/14/2012	8	11.0	10.6	10.6	9.9	10.8	10.8	11.4	11.1
11/14/2012	9	11.0	10.5	10.6	9.8	10.8	10.7	11.4	11.1
11/14/2012	10	11.0	10.5	10.7	9.8	10.8	10.7	11.4	11.0
11/14/2012	11	11.0	10.6	10.8	9.9	10.8	10.8	11.4	11.1
11/14/2012	12	11.0	10.6	10.9	9.9	10.8	10.8	11.4	11.1
11/14/2012	13	11.0	10.6	11.0	10.0	10.8	10.8	11.4	11.0
11/14/2012	14	11.0	10.6	11.2	10.1	10.9	10.8	11.4	11.0
11/14/2012	15	11.0	10.6	11.2	10.2	10.9	10.8	11.4	11.0
11/14/2012	16	11.0	10.6	11.2	10.3	10.9	10.9	11.4	11.1
11/14/2012	17	11.0	10.6	11.1	10.3	10.9	10.9	11.4	11.1
11/14/2012	18	11.0	10.6	11.0	10.4	10.9	10.9	11.4	11.1
11/14/2012	19	11.0	10.6	10.9	10.4	10.9	10.9	11.4	11.1
11/14/2012	20	11.0	10.6	10.9	10.3	10.9	10.9	11.4	11.0
11/14/2012	21	11.0	10.5	10.8	10.3	10.9	10.8	11.4	11.0
11/14/2012	22	11.0	10.5	10.8	10.2	10.9	10.8	11.4	11.1
11/14/2012	23	11.0	10.5	10.7	10.1	10.9	10.8	11.4	11.1
11/14/2012	24	11.0	10.5	10.8	10.1	10.9	10.8	11.4	11.1
11/14/2012	1	11.0	10.5	10.8	10.1	10.9	10.8	11.4	11.1
11/15/2012	2	11.0	10.5	10.7	10.0	10.9	10.8	11.5	11.1
11/15/2012	3	11.0	10.5	10.7	10.0	10.9	10.8	11.5	11.1
11/15/2012	4	11.0	10.6	10.7	10.0	10.9	10.8	11.5	11.1
11/15/2012	5	11.0	10.6	10.7	9.9	10.9	10.8	11.5	11.1
11/15/2012	6	11.0	10.6	10.8	9.9	10.9	10.8	11.5	11.1
11/15/2012	7	11.0	10.6	10.8	9.9	10.9	10.8	11.5	11.1
11/15/2012	8	11.0	10.6	10.8	9.9	10.9	10.8	11.5	11.1
11/15/2012	9	11.0	10.6	10.8	10.0	10.9	10.8	11.5	11.1
11/15/2012	10	11.0	10.6	10.8	10.0	10.9	10.8	11.5	11.1
11/15/2012	11	11.0	10.6	10.8	10.0	10.9	10.8	11.4	11.1
11/15/2012	12	11.0	10.6	10.9	10.0	10.9	10.8	11.4	11.1
11/15/2012	13	11.0	10.6	10.9	10.0	10.9	10.8	11.4	11.1
11/15/2012	14	11.0	10.6	10.9	10.1	10.9	10.8	11.4	11.1
11/15/2012	15	11.0	10.6	10.9	10.1	10.8	10.8	11.4	11.0
11/15/2012	16	11.0	10.6	11.0	10.1	10.8	10.8	11.4	11.0
11/15/2012	17	11.0	10.6	10.9	10.1	10.8	10.8	11.4	11.0
11/15/2012	18	10.9	10.5	10.8	10.1	10.8	10.8	11.3	11.0
11/15/2012	19	10.9	10.5	10.9	10.1	10.8	10.8	11.3	11.0
11/15/2012	20	10.9	10.5	10.8	10.1	10.8	10.7	11.3	11.0
11/15/2012	21	10.9	10.5	10.8	10.1	10.8	10.7	11.3	10.9
11/15/2012	22	10.9	10.5	10.8	10.1	10.7	10.7	11.3	10.9
11/15/2012	23	10.9	10.5	10.8	10.1	10.7	10.7	11.3	10.9
11/15/2012	24	10.9	10.5	10.8	10.0	10.7	10.7	11.3	10.9



## 2012 4th 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)
11/15/2012	1	10.9	10.4	10.8	10.0	10.7	10.7	11.3	10.9
11/16/2012	2	10.8	10.4	10.8	10.0	10.7	10.7	11.2	10.9
11/16/2012	3	10.8	10.4	10.8	10.0	10.7	10.7	11.2	10.9
11/16/2012	4	10.8	10.4	10.8	10.0	10.7	10.7	11.2	10.9
11/16/2012	5	10.8	10.4	10.7	10.0	10.7	10.6	11.2	10.8
11/16/2012	6	10.8	10.4	10.8	10.0	10.7	10.6	11.2	10.8
11/16/2012	7	10.8	10.4	10.8	10.0	10.6	10.6	11.2	10.8
11/16/2012	8	10.8	10.4	10.8	10.0	10.6	10.6	11.2	10.8
11/16/2012	9	10.8	10.4	10.8	10.0	10.6	10.6	11.2	10.8
11/16/2012	10	10.8	10.4	10.8	10.0	10.6	10.6	11.2	10.8
11/16/2012	11	10.8	10.4	10.9	10.1	10.6	10.6	11.2	10.8
11/16/2012	12	10.8	10.4	11.0	10.1	10.6	10.6	11.2	10.8
11/16/2012	13	10.8	10.5	11.1	10.2	10.6	10.6	11.2	10.8
11/16/2012	14	10.8	10.5	11.2	10.2	10.7	10.7	11.2	10.8
11/16/2012	15	10.8	10.5	11.2	10.3	10.7	10.7	11.2	10.8
11/16/2012	16	10.8	10.5	11.2	10.4	10.7	10.7	11.2	10.8
11/16/2012	17	10.8	10.5	11.1	10.4	10.7	10.7	11.2	10.9
11/16/2012	18	10.8	10.5	11.0	10.5	10.7	10.7	11.2	10.9
11/16/2012	19	10.8	10.5	10.9	10.4	10.7	10.7	11.2	10.9
11/16/2012	20	10.8	10.5	10.9	10.4	10.7	10.7	11.2	10.9
11/16/2012	21	10.8	10.5	10.9	10.3	10.7	10.7	11.2	10.9
11/16/2012	22	10.8	10.5	10.9	10.3	10.7	10.7	11.3	10.9
11/16/2012	23	10.8	10.5	10.9	10.2	10.7	10.7	11.3	10.9
11/16/2012	24	10.8	10.5	10.8	10.2	10.7	10.7	11.2	10.9
11/16/2012	1	10.8	10.5	10.8	10.2	10.7	10.7	11.2	10.9
11/17/2012	2	10.8	10.4	10.8	10.2	10.7	10.7	11.2	10.9
11/17/2012	3	10.8	10.4	10.8	10.1	10.7	10.7	11.2	10.8
11/17/2012	4	10.8	10.4	10.8	10.1	10.7	10.7	11.2	10.8
11/17/2012	5	10.8	10.4	10.8	10.1	10.7	10.6	11.2	10.8
11/17/2012	6	10.8	10.4	10.7	10.1	10.6	10.6	11.2	10.8
11/17/2012	7	10.7	10.4	10.7	10.1	10.6	10.6	11.2	10.8
11/17/2012	8	10.7	10.4	10.7	10.1	10.6	10.6	11.2	10.8
11/17/2012	9	10.8	10.4	10.7	10.1	10.6	10.6	11.2	10.8
11/17/2012	10	10.8	10.4	10.7	10.1	10.6	10.6	11.1	10.8
11/17/2012	11	10.8	10.4	10.8	10.1	10.6	10.6	11.1	10.8
11/17/2012	12	10.8	10.4	10.8	10.1	10.6	10.6	11.1	10.8
11/17/2012	13	10.8	10.4	10.8	10.1	10.6	10.6	11.1	10.8
11/17/2012	14	10.7	10.4	10.9	10.1	10.6	10.6	11.1	10.7
11/17/2012	15	10.7	10.4	10.9	10.1	10.6	10.6	11.1	10.7
11/17/2012	16	10.7	10.4	10.8	10.2	10.6	10.6	11.1	10.7
11/17/2012	17	10.7	10.4	10.9	10.2	10.6	10.6	11.1	10.7
11/17/2012	18	10.7	10.3	10.8	10.2	10.6	10.6	11.1	10.7
11/17/2012	19	10.7	10.4	10.8	10.2	10.6	10.6	11.1	10.7
11/17/2012	20	10.7	10.3	10.7	10.1	10.6	10.6	11.1	10.7
11/17/2012	21	10.7	10.3	10.7	10.1	10.6	10.6	11.1	10.7
11/17/2012	22	10.7	10.4	10.7	10.1	10.6	10.6	11.2	10.8

## 2012 4th 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)
11/17/2012	23	10.7	10.3	10.6	10.1	10.6	10.6	11.1	10.8
11/17/2012	24	10.7	10.3	10.5	10.0	10.6	10.6	11.1	10.8
11/17/2012	1	10.7	10.3	10.4	10.0	10.6	10.5	11.1	10.8
11/18/2012	2	10.7	10.3	10.3	9.9	10.6	10.5	11.1	10.8
11/18/2012	3	10.7	10.2	10.2	9.8	10.5	10.5	11.1	10.8
11/18/2012	4	10.7	10.2	10.2	9.7	10.5	10.5	11.1	10.8
11/18/2012	5	10.7	10.2	10.1	9.6	10.5	10.4	11.1	10.7
11/18/2012	6	10.6	10.2	10.1	9.5	10.5	10.4	11.1	10.7
11/18/2012	7	10.6	10.1	10.0	9.4	10.4	10.4	11.1	10.7
11/18/2012	8	10.6	10.1	10.0	9.3	10.4	10.3	11.1	10.7
11/18/2012	9	10.6	10.1	10.1	9.3	10.4	10.3	11.1	10.7
11/18/2012	10	10.6	10.2	10.2	9.3	10.4	10.3	11.1	10.7
11/18/2012	11	10.6	10.2	10.4	9.3	10.4	10.4	11.1	10.7
11/18/2012	12	10.6	10.3	10.5	9.4	10.5	10.4	11.1	10.7
11/18/2012	13	10.6	10.3	10.8	9.6	10.5	10.5	11.1	10.7
11/18/2012	14	10.6	10.3	11.0	9.8	10.5	10.5	11.1	10.7
11/18/2012	15	10.7	10.4	11.0	9.9	10.5	10.5	11.1	10.7
11/18/2012	16	10.7	10.4	11.0	10.1	10.6	10.6	11.1	10.7
11/18/2012	17	10.7	10.4	10.9	10.2	10.6	10.6	11.1	10.8
11/18/2012	18	10.7	10.4	10.8	10.3	10.6	10.6	11.1	10.8
11/18/2012	19	10.7	10.4	10.8	10.3	10.6	10.6	11.1	10.8
11/18/2012	20	10.7	10.4	10.7	10.2	10.6	10.6	11.1	10.8
11/18/2012	21	10.7	10.4	10.7	10.2	10.6	10.6	11.1	10.8
11/18/2012	22	10.7	10.3	10.6	10.1	10.6	10.6	11.1	10.7
11/18/2012	23	10.7	10.3	10.6	10.1	10.6	10.6	11.1	10.7
11/18/2012	24	10.6	10.3	10.5	10.0	10.5	10.5	11.1	10.7
11/18/2012	1	10.6	10.3	10.5	10.0	10.5	10.5	11.1	10.7
11/19/2012	2	10.6	10.3	10.6	9.9	10.5	10.5	11.1	10.7
11/19/2012	3	10.6	10.3	10.6	9.9	10.5	10.5	11.1	10.7
11/19/2012	4	10.6	10.4	10.6	9.9	10.5	10.5	11.1	10.7
11/19/2012	5	10.6	10.4	10.6	10.0	10.6	10.5	11.1	10.7
11/19/2012	6	10.6	10.4	10.6	10.0	10.6	10.6	11.1	10.7
11/19/2012	7	10.6	10.4	10.6	10.1	10.6	10.6	11.1	10.7
11/19/2012	8	10.6	10.4	10.7	10.1	10.6	10.6	11.1	10.7
11/19/2012	9	10.6	10.4	10.7	10.1	10.6	10.6	11.1	10.7
11/19/2012	10	10.6	10.4	10.7	10.1	10.6	10.6	11.1	10.7
11/19/2012	11	10.7	10.4	10.8	10.2	10.6	10.6	11.1	10.7
11/19/2012	12	10.7	10.4	10.8	10.2	10.6	10.6	11.1	10.7
11/19/2012	13	10.7	10.4	10.9	10.3	10.6	10.6	11.1	10.7
11/19/2012	14	10.7	10.5	10.9	10.4	10.6	10.7	11.1	10.8
11/19/2012	15	10.7	10.5	11.0	10.4	10.6	10.7	11.1	10.8
11/19/2012	16	10.7	10.5	11.0	10.5	10.7	10.7	11.2	10.8
11/19/2012	17	10.8	10.6	11.1	10.5	10.7	10.7	11.2	10.8
11/19/2012	18	10.8	10.6	11.0	10.5	10.7	10.7	11.2	10.8
11/19/2012	19	10.8	10.6	11.0	10.6	10.7	10.8	11.2	10.8
11/19/2012	20	10.8	10.6	11.0	10.6	10.7	10.8	11.2	10.8

## 2012 4th 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)
11/19/2012	21	10.8	10.6	11.0	10.6	10.7	10.8	11.2	10.8
11/19/2012	22	10.8	10.6	11.0	10.6	10.7	10.8	11.2	10.8
11/19/2012	23	10.7	10.6	11.0	10.6	10.7	10.7	11.2	10.8
11/19/2012	24	10.7	10.5	10.9	10.6	10.7	10.7	11.2	10.8
11/19/2012	1	10.7	10.5	10.9	10.6	10.7	10.7	11.2	10.8
11/20/2012	2	10.7	10.5	10.8	10.5	10.7	10.7	11.1	10.8
11/20/2012	3	10.7	10.5	10.7	10.5	10.7	10.7	11.1	10.8
11/20/2012	4	10.7	10.5	10.7	10.4	10.7	10.7	11.1	10.8
11/20/2012	5	10.7	10.5	10.7	10.4	10.6	10.7	11.1	10.8
11/20/2012	6	10.7	10.4	10.7	10.3	10.6	10.6	11.1	10.7
11/20/2012	7	10.7	10.4	10.7	10.3	10.6	10.6	11.1	10.7
11/20/2012	8	10.6	10.4	10.7	10.2	10.6	10.6	11.1	10.7
11/20/2012	9	10.6	10.4	10.7	10.2	10.6	10.6	11.1	10.7
11/20/2012	10	10.6	10.4	10.8	10.2	10.6	10.6	11.1	10.7
11/20/2012	11	10.7	10.5	10.9	10.2	10.6	10.6	11.1	10.7
11/20/2012	12	10.7	10.5	11.0	10.2	10.6	10.6	11.1	10.7
11/20/2012	13	10.7	10.5	11.1	10.4	10.7	10.7	11.2	10.8
11/20/2012	14	10.7	10.5	11.1	10.4	10.7	10.7	11.2	10.8
11/20/2012	15	10.7	10.5	11.1	10.5	10.7	10.7	11.2	10.8
11/20/2012	16	10.7	10.5	11.1	10.6	10.7	10.8	11.2	10.8
11/20/2012	17	10.7	10.5	11.1	10.7	10.7	10.8	11.2	10.8
11/20/2012	18	10.7	10.5	10.9	10.7	10.7	10.8	11.1	10.8
11/20/2012	19	10.7	10.5	10.8	10.6	10.7	10.7	11.1	10.8
11/20/2012	20	10.7	10.4	10.7	10.5	10.7	10.7	11.1	10.8
11/20/2012	21	10.7	10.4	10.5	10.4	10.7	10.7	11.1	10.8
11/20/2012	22	10.7	10.4	10.4	10.3	10.6	10.6	11.1	10.8
11/20/2012	23	10.7	10.4	10.3	10.1	10.6	10.6	11.1	10.8
11/20/2012	24	10.6	10.3	10.3	10.0	10.6	10.5	11.1	10.7
11/20/2012	1	10.6	10.3	10.3	9.9	10.5	10.5	11.1	10.7
11/21/2012	2	10.6	10.3	10.3	9.8	10.5	10.5	11.1	10.7
11/21/2012	3	10.6	10.3	10.2	9.8	10.5	10.4	11.1	10.7
11/21/2012	4	10.6	10.3	10.3	9.7	10.5	10.4	11.1	10.7
11/21/2012	5	10.6	10.3	10.3	9.7	10.5	10.4	11.0	10.7
11/21/2012	6	10.6	10.3	10.3	9.7	10.4	10.4	11.0	10.6
11/21/2012	7	10.6	10.2	10.3	9.7	10.4	10.4	11.0	10.6
11/21/2012	8	10.5	10.2	10.3	9.7	10.4	10.4	11.0	10.6
11/21/2012	9	10.5	10.2	10.3	9.7	10.4	10.4	11.0	10.6
11/21/2012	10	10.5	10.2	10.3	9.7	10.4	10.4	11.0	10.6
11/21/2012	11	10.5	10.2	10.5	9.8	10.5	10.5	11.0	10.6
11/21/2012	12	10.6	10.2	10.8	9.9	10.5	10.5	11.0	10.6
11/21/2012	13	10.6	10.2	11.0	9.8	10.5	10.5	11.0	10.6
11/21/2012	14	10.6	10.2	11.2	9.9	10.5	10.5	11.0	10.6
11/21/2012	15	10.5	10.3	11.2	10.1	10.5	10.5	11.0	10.6
11/21/2012	16	10.5	10.3	11.1	10.5	10.5	10.5	11.0	10.6
11/21/2012	17	10.5	10.2	10.9	10.6	10.5	10.6	11.0	10.6
11/21/2012	18	10.5	10.1	10.5	10.5	10.6	10.6	10.9	10.6

## 2012 4th 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)
11/21/2012	19	10.5	10.1	10.2	10.4	10.5	10.5	10.9	10.6
11/21/2012	20	10.5	10.1	9.9	10.1	10.5	10.4	10.9	10.6
11/21/2012	21	10.5	10.1	9.7	9.9	10.4	10.4	10.9	10.6
11/21/2012	22	10.4	10.1	9.7	9.6	10.3	10.2	10.9	10.5
11/21/2012	23	10.4	10.0	9.7	9.3	10.2	10.1	10.9	10.5
11/21/2012	24	10.4	10.0	9.8	9.2	10.2	10.1	10.8	10.4
11/21/2012	1	10.3	10.0	9.7	9.1	10.1	10.1	10.8	10.4
11/22/2012	2	10.3	9.9	9.7	9.0	10.1	10.0	10.8	10.4
11/22/2012	3	10.3	9.9	9.7	9.0	10.1	10.0	10.8	10.3
11/22/2012	4	10.3	9.8	9.6	9.0	10.1	10.0	10.8	10.4
11/22/2012	5	10.3	9.8	9.6	9.0	10.1	10.0	10.7	10.3
11/22/2012	6	10.3	9.8	9.6	8.9	10.1	10.0	10.7	10.3
11/22/2012	7	10.3	9.8	9.6	8.9	10.1	10.0	10.7	10.3
11/22/2012	8	10.3	9.8	9.6	8.9	10.1	10.0	10.7	10.3
11/22/2012	9	10.3	9.8	9.6	8.8	10.1	10.0	10.7	10.3
11/22/2012	10	10.3	9.8	9.7	8.9	10.1	10.0	10.7	10.3
11/22/2012	11	10.2	9.9	9.9	9.0	10.1	10.0	10.7	10.3
11/22/2012	12	10.2	9.8	10.2	9.1	10.1	10.1	10.7	10.3
11/22/2012	13	10.2	9.9	10.4	9.1	10.1	10.1	10.7	10.3
11/22/2012	14	10.3	9.9	10.7	9.3	10.1	10.1	10.7	10.3
11/22/2012	15	10.3	10.0	10.8	9.5	10.1	10.1	10.7	10.3
11/22/2012	16	10.3	10.0	10.7	9.8	10.2	10.2	10.7	10.3
11/22/2012	17	10.3	10.0	10.6	10.0	10.2	10.2	10.7	10.3
11/22/2012	18	10.3	10.0	10.5	10.1	10.3	10.3	10.7	10.4
11/22/2012	19	10.3	10.0	10.4	10.1	10.3	10.3	10.7	10.4
11/22/2012	20	10.3	10.0	10.3	10.0	10.3	10.3	10.7	10.4
11/22/2012	21	10.3	10.0	10.3	9.9	10.2	10.3	10.7	10.4
11/22/2012	22	10.3	10.0	10.3	9.8	10.2	10.2	10.7	10.4
11/22/2012	23	10.3	10.0	10.2	9.8	10.2	10.2	10.7	10.3
11/22/2012	24	10.3	9.9	10.2	9.7	10.2	10.2	10.7	10.3
11/22/2012	1	10.3	9.9	10.2	9.7	10.2	10.1	10.7	10.3
11/23/2012	2	10.2	9.9	10.2	9.7	10.1	10.1	10.7	10.3
11/23/2012	3	10.2	9.9	10.2	9.6	10.1	10.1	10.6	10.3
11/23/2012	4	10.2	9.9	10.2	9.6	10.1	10.1	10.6	10.2
11/23/2012	5	10.2	9.9	10.2	9.6	10.1	10.1	10.6	10.2
11/23/2012	6	10.1	9.9	10.2	9.6	10.1	10.1	10.6	10.2
11/23/2012	7	10.1	9.8	10.1	9.6	10.1	10.0	10.6	10.2
11/23/2012	8	10.1	9.8	10.1	9.6	10.1	10.0	10.6	10.2
11/23/2012	9	10.1	9.8	10.1	9.6	10.1	10.0	10.6	10.2
11/23/2012	10	10.1	9.8	10.2	9.6	10.1	10.1	10.6	10.2
11/23/2012	11	10.1	9.9	10.3	9.6	10.1	10.1	10.6	10.2
11/23/2012	12	10.1	9.9	10.3	9.6	10.1	10.1	10.6	10.2
11/23/2012	13	10.2	9.9	10.4	9.7	10.1	10.1	10.6	10.2
11/23/2012	14	10.2	9.9	10.4	9.7	10.1	10.1	10.6	10.2
11/23/2012	15	10.2	9.9	10.4	9.8	10.1	10.1	10.6	10.2
11/23/2012	16	10.2	9.9	10.3	9.8	10.1	10.1	10.6	10.2

## 2012 4th 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)
11/23/2012	17	10.2	9.9	10.3	9.8	10.1	10.1	10.6	10.2
11/23/2012	18	10.2	9.9	10.2	9.8	10.1	10.1	10.6	10.2
11/23/2012	19	10.2	9.9	10.2	9.8	10.1	10.1	10.6	10.2
11/23/2012	20	10.2	9.9	10.1	9.7	10.1	10.1	10.6	10.2
11/23/2012	21	10.1	9.9	10.1	9.7	10.1	10.1	10.6	10.2
11/23/2012	22	10.1	9.9	10.1	9.7	10.1	10.1	10.6	10.2
11/23/2012	23	10.1	9.9	10.1	9.6	10.1	10.1	10.6	10.2
11/23/2012	24	10.1	9.9	10.1	9.6	10.1	10.0	10.6	10.2
11/23/2012	1	10.1	9.9	10.1	9.6	10.0	10.0	10.6	10.2
11/24/2012	2	10.1	9.8	10.1	9.6	10.0	10.0	10.6	10.2
11/24/2012	3	10.1	9.8	10.1	9.5	10.0	10.0	10.6	10.2
11/24/2012	4	10.1	9.8	10.1	9.5	10.1	10.0	10.6	10.2
11/24/2012	5	10.1	9.8	10.1	9.5	10.0	10.0	10.6	10.2
11/24/2012	6	10.1	9.8	10.0	9.5	10.1	10.0	10.6	10.2
11/24/2012	7	10.1	9.8	10.0	9.5	10.0	10.0	10.6	10.2
11/24/2012	8	10.1	9.8	9.9	9.4	10.0	10.0	10.6	10.2
11/24/2012	9	10.1	9.7	9.8	9.4	10.0	10.0	10.6	10.2
11/24/2012	10	10.1	9.7	9.8	9.3	10.0	10.0	10.6	10.2
11/24/2012	11	10.1	9.7	10.0	9.4	10.0	10.0	10.6	10.2
11/24/2012	12	10.1	9.8	10.3	9.5	10.1	10.1	10.6	10.2
11/24/2012	13	10.1	9.8	10.5	9.4	10.1	10.1	10.6	10.2
11/24/2012	14	10.2	9.9	10.8	9.5	10.1	10.1	10.6	10.2
11/24/2012	15	10.2	9.9	10.8	9.7	10.1	10.2	10.6	10.3
11/24/2012	16	10.2	9.9	10.6	9.9	10.2	10.2	10.6	10.3
11/24/2012	17	10.2	9.9	10.4	10.1	10.2	10.2	10.6	10.3
11/24/2012	18	10.2	9.8	10.1	10.1	10.2	10.2	10.6	10.2
11/24/2012	19	10.1	9.8	9.9	10.0	10.1	10.1	10.6	10.2
11/24/2012	20	10.1	9.7	9.7	9.8	10.1	10.1	10.5	10.2
11/24/2012	21	10.1	9.7	9.6	9.6	10.0	10.0	10.5	10.2
11/24/2012	22	10.1	9.6	9.5	9.3	10.0	9.9	10.5	10.2
11/24/2012	23	10.0	9.6	9.4	9.1	9.9	9.9	10.5	10.1
11/24/2012	24	10.0	9.5	9.3	9.0	9.9	9.8	10.4	10.1
11/24/2012	1	10.0	9.5	9.3	8.8	9.8	9.7	10.4	10.0
11/25/2012	2	9.9	9.4	9.2	8.7	9.8	9.7	10.4	10.0
11/25/2012	3	9.9	9.4	9.2	8.6	9.7	9.6	10.4	10.0
11/25/2012	4	9.9	9.4	9.1	8.5	9.7	9.6	10.3	10.0
11/25/2012	5	9.8	9.3	9.1	8.4	9.7	9.5	10.3	9.9
11/25/2012	6	9.8	9.3	9.0	8.3	9.6	9.5	10.3	9.9
11/25/2012	7	9.8	9.3	9.0	8.3	9.6	9.5	10.3	9.9
11/25/2012	8	9.8	9.2	8.9	8.2	9.6	9.4	10.3	9.8
11/25/2012	9	9.8	9.2	8.9	8.1	9.5	9.4	10.3	9.8
11/25/2012	10	9.8	9.2	8.9	8.1	9.5	9.4	10.3	9.8
11/25/2012	11	9.8	9.2	9.2	8.2	9.6	9.5	10.3	9.8
11/25/2012	12	9.8	9.3	9.5	8.3	9.6	9.5	10.3	9.8
11/25/2012	13	9.8	9.3	9.9	8.3	9.6	9.5	10.3	9.8
11/25/2012	14	9.8	9.3	10.2	8.4	9.6	9.6	10.3	9.9

## 2012 4th 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)
11/25/2012	15	9.8	9.4	10.2	8.7	9.7	9.7	10.3	9.9
11/25/2012	16	9.9	9.4	10.0	9.1	9.8	9.7	10.3	10.0
11/25/2012	17	9.9	9.4	9.9	9.4	9.8	9.8	10.3	10.0
11/25/2012	18	9.9	9.4	9.6	9.4	9.9	9.8	10.3	10.0
11/25/2012	19	9.9	9.4	9.3	9.3	9.8	9.8	10.3	10.0
11/25/2012	20	9.9	9.4	9.2	9.1	9.8	9.8	10.4	10.0
11/25/2012	21	9.9	9.3	9.1	8.8	9.8	9.7	10.4	10.0
11/25/2012	22	9.9	9.3	9.0	8.7	9.7	9.6	10.3	10.0
11/25/2012	23	9.8	9.3	9.0	8.5	9.7	9.6	10.3	9.9
11/25/2012	24	9.8	9.3	9.0	8.4	9.6	9.5	10.3	9.9
11/25/2012	1	9.8	9.3	9.0	8.2	9.6	9.5	10.3	9.9
11/26/2012	2	9.8	9.2	9.0	8.2	9.5	9.4	10.2	9.8
11/26/2012	3	9.7	9.2	8.9	8.2	9.5	9.4	10.2	9.8
11/26/2012	4	9.7	9.2	8.9	8.1	9.5	9.4	10.2	9.8
11/26/2012	5	9.7	9.2	8.8	8.1	9.5	9.3	10.1	9.8
11/26/2012	6	9.6	9.1	8.8	8.0	9.4	9.3	10.1	9.7
11/26/2012	7	9.6	9.1	8.7	8.0	9.4	9.3	10.1	9.7
11/26/2012	8	9.6	9.1	8.7	7.9	9.4	9.2	10.1	9.6
11/26/2012	9	9.6	9.1	8.7	7.9	9.4	9.2	10.1	9.6
11/26/2012	10	9.6	9.0	8.7	7.9	9.3	9.2	10.1	9.6
11/26/2012	11	9.6	9.1	9.0	7.9	9.3	9.3	10.1	9.6
11/26/2012	12	9.6	9.1	9.3	8.0	9.4	9.3	10.1	9.7
11/26/2012	13	9.6	9.1	9.6	8.0	9.4	9.4	10.1	9.7
11/26/2012	14	9.6	9.2	9.8	8.2	9.5	9.4	10.1	9.7
11/26/2012	15	9.7	9.2	9.9	8.4	9.5	9.4	10.1	9.7
11/26/2012	16	9.7	9.2	9.7	8.8	9.5	9.5	10.1	9.8
11/26/2012	17	9.7	9.2	9.5	9.0	9.6	9.5	10.1	9.8
11/26/2012	18	9.7	9.2	9.2	9.0	9.6	9.5	10.1	9.8
11/26/2012	19	9.7	9.1	9.0	8.9	9.6	9.5	10.1	9.7
11/26/2012	20	9.6	9.2	8.9	8.7	9.5	9.4	10.1	9.7
11/26/2012	21	9.6	9.2	8.9	8.6	9.5	9.4	10.1	9.7
11/26/2012	22	9.6	9.2	8.9	8.4	9.5	9.4	10.1	9.7
11/26/2012	23	9.6	9.1	8.9	8.2	9.4	9.3	10.0	9.7
11/26/2012	24	9.5	9.1	9.0	8.2	9.4	9.3	10.0	9.6
11/26/2012	1	9.5	9.1	9.0	8.2	9.3	9.2	10.0	9.6
11/27/2012	2	9.5	9.1	9.0	8.2	9.3	9.2	9.9	9.6
11/27/2012	3	9.5	9.1	9.0	8.2	9.3	9.2	9.9	9.6
11/27/2012	4	9.4	9.0	9.0	8.2	9.3	9.2	9.8	9.5
11/27/2012	5	9.4	9.0	8.9	8.2	9.2	9.1	9.8	9.5
11/27/2012	6	9.3	8.9	8.9	8.2	9.2	9.1	9.8	9.4
11/27/2012	7	9.3	8.9	8.9	8.2	9.2	9.1	9.8	9.4
11/27/2012	8	9.3	8.8	8.8	8.2	9.2	9.1	9.8	9.4
11/27/2012	9	9.3	8.8	8.8	8.1	9.1	9.1	9.8	9.4
11/27/2012	10	9.3	8.8	8.8	8.1	9.2	9.1	9.8	9.4
11/27/2012	11	9.3	8.9	8.9	8.1	9.2	9.1	9.8	9.4
11/27/2012	12	9.4	8.9	9.0	8.2	9.2	9.1	9.8	9.4

## 2012 4th 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)
11/27/2012	13	9.4	8.9	9.2	8.2	9.2	9.1	9.8	9.4
11/27/2012	14	9.4	9.0	9.4	8.3	9.2	9.2	9.8	9.4
11/27/2012	15	9.4	9.0	9.4	8.4	9.2	9.2	9.8	9.4
11/27/2012	16	9.4	9.0	9.4	8.5	9.3	9.2	9.8	9.4
11/27/2012	17	9.4	9.0	9.4	8.6	9.3	9.2	9.8	9.5
11/27/2012	18	9.4	9.0	9.3	8.7	9.3	9.3	9.9	9.5
11/27/2012	19	9.4	9.0	9.2	8.7	9.3	9.3	9.9	9.5
11/27/2012	20	9.4	9.0	9.2	8.7	9.3	9.3	9.9	9.5
11/27/2012	21	9.4	9.0	9.1	8.6	9.3	9.3	9.9	9.5
11/27/2012	22	9.4	9.0	9.0	8.5	9.3	9.3	9.9	9.5
11/27/2012	23	9.4	9.0	9.0	8.5	9.3	9.2	9.9	9.5
11/27/2012	24	9.4	9.0	9.0	8.4	9.3	9.2	9.9	9.5
11/27/2012	1	9.4	9.0	9.0	8.4	9.3	9.2	9.8	9.5
11/28/2012	2	9.4	9.0	9.1	8.4	9.2	9.2	9.8	9.5
11/28/2012	3	9.4	9.0	9.1	8.3	9.3	9.2	9.8	9.5
11/28/2012	4	9.4	9.0	9.0	8.3	9.2	9.1	9.8	9.4
11/28/2012	5	9.4	9.0	9.0	8.4	9.2	9.1	9.8	9.4
11/28/2012	6	9.3	8.9	8.9	8.3	9.2	9.1	9.8	9.4
11/28/2012	7	9.3	8.9	8.9	8.3	9.1	9.1	9.8	9.4
11/28/2012	8	9.3	8.9	8.8	8.3	9.1	9.1	9.7	9.3
11/28/2012	9	9.3	8.8	8.8	8.2	9.1	9.0	9.7	9.3
11/28/2012	10	9.2	8.8	8.9	8.2	9.1	9.0	9.7	9.3
11/28/2012	11	9.2	8.9	9.0	8.2	9.0	9.0	9.7	9.2
11/28/2012	12	9.2	8.8	9.2	8.3	9.1	9.0	9.7	9.3
11/28/2012	13	9.2	8.9	9.3	8.3	9.1	9.0	9.7	9.3
11/28/2012	14	9.3	8.9	9.3	8.4	9.1	9.1	9.7	9.3
11/28/2012	15	9.3	8.9	9.4	8.5	9.1	9.1	9.7	9.3
11/28/2012	16	9.3	8.9	9.3	8.6	9.2	9.1	9.7	9.3
11/28/2012	17	9.3	8.9	9.3	8.7	9.2	9.2	9.7	9.3
11/28/2012	18	9.3	8.9	9.2	8.7	9.2	9.2	9.7	9.3
11/28/2012	19	9.3	8.8	9.0	8.6	9.2	9.1	9.7	9.3
11/28/2012	20	9.3	8.9	9.0	8.6	9.2	9.1	9.7	9.3
11/28/2012	21	9.3	8.9	8.9	8.5	9.2	9.1	9.7	9.3
11/28/2012	22	9.3	8.9	9.0	8.4	9.2	9.1	9.7	9.3
11/28/2012	23	9.3	8.9	9.0	8.4	9.1	9.1	9.7	9.4
11/28/2012	24	9.3	8.9	9.0	8.3	9.2	9.1	9.7	9.4
11/28/2012	1	9.3	8.9	9.1	8.3	9.2	9.1	9.7	9.4
11/29/2012	2	9.3	8.9	9.1	8.4	9.2	9.1	9.7	9.4
11/29/2012	3	9.3	9.0	9.1	8.4	9.2	9.1	9.7	9.4
11/29/2012	4	9.3	9.0	9.1	8.4	9.2	9.1	9.7	9.4
11/29/2012	5	9.3	9.0	9.1	8.5	9.2	9.1	9.8	9.4
11/29/2012	6	9.3	8.9	9.1	8.5	9.2	9.1	9.8	9.3
11/29/2012	7	9.3	8.9	9.1	8.5	9.1	9.1	9.8	9.3
11/29/2012	8	9.3	8.9	9.1	8.5	9.1	9.1	9.7	9.3
11/29/2012	9	9.3	8.9	9.1	8.5	9.2	9.1	9.7	9.3
11/29/2012	10	9.3	8.9	9.2	8.5	9.2	9.1	9.7	9.3

## 2012 4th 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)
11/29/2012	11	9.3	8.9	9.1	8.6	9.2	9.1	9.7	9.3
11/29/2012	12	9.3	8.9	9.2	8.6	9.2	9.2	9.7	9.3
11/29/2012	13	9.3	9.0	9.2	8.6	9.2	9.2	9.7	9.3
11/29/2012	14	9.3	9.0	9.2	8.6	9.2	9.2	9.7	9.3
11/29/2012	15	9.3	9.0	9.3	8.6	9.2	9.2	9.7	9.3
11/29/2012	16	9.3	9.0	9.3	8.7	9.2	9.2	9.7	9.3
11/29/2012	17	9.3	9.0	9.3	8.7	9.2	9.2	9.7	9.3
11/29/2012	18	9.3	8.9	9.2	8.7	9.2	9.1	9.7	9.3
11/29/2012	19	9.3	8.9	9.2	8.8	9.1	9.1	9.7	9.3
11/29/2012	20	9.3	8.9	9.2	8.8	9.1	9.1	9.7	9.3
11/29/2012	21	9.3	8.9	9.2	8.7	9.1	9.1	9.6	9.3
11/29/2012	22	9.3	8.9	9.2	8.7	9.1	9.1	9.7	9.3
11/29/2012	23	9.2	8.9	9.2	8.7	9.1	9.1	9.7	9.3
11/29/2012	24	9.2	8.9	9.2	8.7	9.1	9.1	9.7	9.3
11/29/2012	1	9.2	8.9	9.2	8.7	9.1	9.1	9.7	9.3
11/30/2012	2	9.2	8.9	9.2	8.7	9.1	9.1	9.7	9.2
11/30/2012	3	9.2	8.9	9.2	8.7	9.1	9.1	9.7	9.2
11/30/2012	4	9.2	8.9	9.2	8.7	9.1	9.1	9.7	9.3
11/30/2012	5	9.3	8.9	9.2	8.7	9.1	9.1	9.7	9.3
11/30/2012	6	9.3	8.9	9.2	8.7	9.2	9.1	9.7	9.3
11/30/2012	7	9.3	8.9	9.2	8.7	9.2	9.2	9.7	9.3
11/30/2012	8	9.3	9.0	9.2	8.7	9.2	9.2	9.8	9.4
11/30/2012	9	9.3	9.0	9.2	8.7	9.2	9.2	9.8	9.4
11/30/2012	10	9.3	9.0	9.2	8.8	9.3	9.2	9.8	9.4
11/30/2012	11	9.4	9.1	9.4	8.8	9.3	9.3	9.8	9.4
11/30/2012	12	9.4	9.1	9.5	8.9	9.3	9.3	9.9	9.5
11/30/2012	13	9.4	9.2	9.6	8.9	9.3	9.4	9.9	9.5
11/30/2012	14	9.4	9.2	9.7	9.0	9.4	9.4	9.9	9.5
11/30/2012	15	9.5	9.3	9.8	9.1	9.4	9.4	9.9	9.5
11/30/2012	16	9.5	9.3	9.8	9.2	9.5	9.5	9.9	9.6
11/30/2012	17	9.5	9.3	9.7	9.3	9.5	9.5	9.9	9.6
11/30/2012	18	9.5	9.3	9.7	9.4	9.5	9.5	9.9	9.6
11/30/2012	19	9.5	9.3	9.6	9.4	9.5	9.5	10.0	9.6
11/30/2012	20	9.5	9.3	9.6	9.4	9.5	9.5	10.0	9.6
11/30/2012	21	9.5	9.3	9.6	9.3	9.5	9.5	10.0	9.6
11/30/2012	22	9.5	9.3	9.6	9.3	9.5	9.5	10.0	9.6
11/30/2012	23	9.5	9.3	9.6	9.2	9.5	9.5	10.0	9.6
11/30/2012	24	9.5	9.3	9.5	9.2	9.5	9.5	10.0	9.6
12/1/2012	1	9.5	9.3	9.5	9.2	9.5	9.5	10.0	9.6
12/1/2012	2	9.5	9.3	9.5	9.2	9.5	9.5	10.0	9.6
12/1/2012	3	9.5	9.3	9.5	9.2	9.5	9.5	10.0	9.6
12/1/2012	4	9.5	9.2	9.4	9.1	9.5	9.5	10.0	9.6
12/1/2012	5	9.5	9.2	9.4	9.1	9.5	9.5	10.0	9.6
12/1/2012	6	9.5	9.2	9.3	9.1	9.4	9.4	10.0	9.6
12/1/2012	7	9.4	9.2	9.3	9.0	9.4	9.4	10.0	9.5
12/1/2012	8	9.4	9.1	9.2	9.0	9.4	9.4	10.0	9.5



## 2012 4th 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)
12/1/2012	9	9.4	9.1	9.1	8.9	9.4	9.3	10.0	9.5
12/1/2012	10	9.4	9.1	9.1	8.9	9.3	9.3	10.0	9.5
12/1/2012	11	9.5	9.2	9.3	8.9	9.3	9.3	10.0	9.5
12/1/2012	12	9.5	9.2	9.6	9.0	9.3	9.3	10.0	9.6
12/1/2012	13	9.5	9.3	9.8	9.0	8.9	9.0	10.0	9.6
12/1/2012	14	9.5	9.3	10.0	9.0	9.0	9.1	10.0	9.6
12/1/2012	15	9.6	9.4	10.2	9.2	9.3	9.3	10.0	9.6
12/1/2012	16	9.6	9.3	10.0	9.4	9.5	9.4	10.0	9.7
12/1/2012	17	9.6	9.3	9.9	9.6	9.6	9.5	10.0	9.7
12/1/2012	18	9.6	9.3	9.7	9.7	9.7	9.6	10.0	9.7
12/1/2012	19	9.6	9.4	9.5	9.6	9.6	9.6	10.0	9.7
12/1/2012	20	9.6	9.4	9.5	9.5	9.5	9.6	10.1	9.7
12/1/2012	21	9.6	9.4	9.4	9.4	9.4	9.5	10.1	9.7
12/1/2012	22	9.6	9.4	9.4	9.3	9.3	9.3	10.1	9.6
12/1/2012	23	9.6	9.4	9.5	9.2	9.2	9.2	10.1	9.6
12/1/2012	24	9.6	9.4	9.5	9.2	9.2	9.2	10.1	9.6
12/2/2012	1	9.6	9.4	9.6	9.2	9.2	9.2	10.1	9.6
12/2/2012	2	9.6	9.4	9.6	9.2	9.2	9.2	10.1	9.7
12/2/2012	3	9.6	9.4	9.6	9.2	9.2	9.2	10.1	9.7
12/2/2012	4	9.6	9.4	9.6	9.2	9.3	9.2	10.0	9.7
12/2/2012	5	9.6	9.4	9.5	9.2	9.2	9.2	10.0	9.6
12/2/2012	6	9.6	9.3	9.5	9.2	9.2	9.2	10.1	9.6
12/2/2012	7	9.5	9.3	9.5	9.2	9.2	9.2	10.1	9.6
12/2/2012	8	9.5	9.3	9.6	9.2	9.2	9.2	10.1	9.6
12/2/2012	9	9.5	9.3	9.6	9.2	9.2	9.2	10.1	9.6
12/2/2012	10	9.5	9.3	9.6	9.2	9.2	9.2	10.1	9.6
12/2/2012	11	9.5	9.3	9.7	9.4	9.3	9.3	10.1	9.6
12/2/2012	12	9.6	9.3	9.9	9.5	9.3	9.4	10.1	9.6
12/2/2012	13	9.6	9.3	10.0	9.3	9.2	9.4	10.1	9.7
12/2/2012	14	9.6	9.3	10.1	9.2	9.2	9.4	10.1	9.7
12/2/2012	15	9.6	9.4	10.1	9.3	9.3	9.4	10.1	9.7
12/2/2012	16	9.6	9.4	9.9	9.5	9.5	9.5	10.1	9.7
12/2/2012	17	9.6	9.4	9.7	9.6	9.7	9.6	10.1	9.7
12/2/2012	18	9.6	9.3	9.5	9.7	9.7	9.6	10.1	9.7
12/2/2012	19	9.6	9.3	9.3	9.5	9.5	9.5	10.1	9.7
12/2/2012	20	9.6	9.3	9.2	9.3	9.3	9.3	10.1	9.7
12/2/2012	21	9.6	9.3	9.1	9.1	9.1	9.1	10.1	9.7
12/2/2012	22	9.6	9.2	9.1	9.0	8.9	9.0	10.0	9.7
12/2/2012	23	9.5	9.2	9.1	8.8	8.8	8.8	10.0	9.6
12/2/2012	24	9.5	9.2	9.0	8.7	8.7	8.7	10.0	9.6
12/3/2012	1	9.5	9.1	8.9	8.6	8.6	8.6	10.0	9.6
12/3/2012	2	9.5	9.1	8.9	8.5	8.6	8.5	9.9	9.5
12/3/2012	3	9.4	9.1	8.9	8.5	8.5	8.4	9.9	9.5
12/3/2012	4	9.4	9.0	8.9	8.4	8.4	8.4	9.9	9.5
12/3/2012	5	9.4	9.0	8.8	8.3	8.4	8.3	9.9	9.5
12/3/2012	6	9.4	9.0	8.7	8.3	8.3	8.3	9.9	9.5

## 2012 4th 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)
12/3/2012	7	9.4	9.0	8.7	8.2	8.3	8.2	10.0	9.4
12/3/2012	8	9.3	8.9	8.7	8.2	8.2	8.2	10.0	9.4
12/3/2012	9	9.3	9.0	8.7	8.2	8.2	8.1	10.0	9.4
12/3/2012	10	9.4	9.0	8.8	8.2	8.2	8.1	10.0	9.4
12/3/2012	11	9.4	9.0	9.0	8.3	8.2	8.2	10.1	9.4
12/3/2012	12	9.4	9.1	9.3	8.4	8.3	8.3	10.1	9.4
12/3/2012	13	9.4	9.1	9.6	8.4	8.4	8.5	10.1	9.5
12/3/2012	14	9.4	9.2	10.0	8.5	8.5	8.6	10.1	9.5
12/3/2012	15	9.4	9.2	10.0	8.8	8.8	8.8	10.0	9.5
12/3/2012	16	9.5	9.3	10.0	9.1	9.2	9.0	10.0	9.5
12/3/2012	17	9.5	9.3	9.9	9.3	9.4	9.3	10.0	9.5
12/3/2012	18	9.5	9.3	9.7	9.5	9.6	9.5	10.0	9.5
12/3/2012	19	9.5	9.3	9.6	9.5	9.6	9.6	10.0	9.5
12/3/2012	20	9.5	9.3	9.5	9.5	9.5	9.6	10.0	9.5
12/3/2012	21	9.5	9.3	9.5	9.4	9.4	9.5	10.0	9.5
12/3/2012	22	9.5	9.3	9.5	9.3	9.3	9.4	10.0	9.5
12/3/2012	23	9.5	9.3	9.5	9.3	9.3	9.3	10.0	9.5
12/3/2012	24	9.5	9.3	9.5	9.2	9.2	9.3	10.0	9.5
12/4/2012	1	9.5	9.3	9.5	9.2	9.2	9.2	10.0	9.5
12/4/2012	2	9.5	9.3	9.6	9.2	9.2	9.2	10.0	9.5
12/4/2012	3	9.5	9.3	9.5	9.2	9.2	9.2	10.0	9.5
12/4/2012	4	9.5	9.2	9.5	9.2	9.2	9.2	10.0	9.5
12/4/2012	5	9.5	9.2	9.5	9.1	9.2	9.2	10.0	9.5
12/4/2012	6	9.5	9.2	9.5	9.1	9.2	9.2	10.0	9.5
12/4/2012	7	9.5	9.2	9.5	9.1	9.1	9.2	10.0	9.5
12/4/2012	8	9.5	9.2	9.4	9.1	9.1	9.1	10.0	9.5
12/4/2012	9	9.5	9.2	9.4	9.1	9.1	9.1	10.0	9.5
12/4/2012	10	9.5	9.2	9.5	9.1	9.1	9.1	9.9	9.5
12/4/2012	11	9.5	9.3	9.5	9.2	9.1	9.2	9.9	9.5
12/4/2012	12	9.5	9.3	9.6	9.2	9.1	9.2	9.9	9.5
12/4/2012	13	9.5	9.3	9.7	9.3	9.2	9.2	9.9	9.5
12/4/2012	14	9.5	9.4	9.8	9.3	9.3	9.3	9.9	9.5
12/4/2012	15	9.5	9.4	9.9	9.4	9.3	9.4	9.9	9.6
12/4/2012	16	9.5	9.4	9.9	9.4	9.4	9.4	9.9	9.6
12/4/2012	17	9.5	9.3	9.8	9.4	9.5	9.4	9.9	9.6
12/4/2012	18	9.5	9.2	9.6	9.4	9.5	9.5	10.0	9.6
12/4/2012	19	9.5	9.3	9.6	9.5	9.5	9.5	10.0	9.5
12/4/2012	20	9.5	9.3	9.5	9.4	9.4	9.4	10.0	9.5
12/4/2012	21	9.4	9.2	9.4	9.3	9.3	9.3	9.9	9.5
12/4/2012	22	9.4	9.2	9.3	9.2	9.2	9.2	9.9	9.5
12/4/2012	23	9.4	9.1	9.2	9.1	9.1	9.1	9.9	9.5
12/4/2012	24	9.4	9.1	9.1	9.0	9.0	9.0	9.8	9.5
12/5/2012	1	9.4	9.1	9.0	8.9	8.9	8.9	9.8	9.4
12/5/2012	2	9.4	9.1	9.0	8.8	8.8	8.8	9.8	9.4
12/5/2012	3	9.3	9.0	8.9	8.7	8.7	8.7	9.8	9.4
12/5/2012	4	9.3	9.0	8.8	8.5	8.6	8.6	9.7	9.3

## 2012 4th 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)
12/5/2012	5	9.3	8.9	8.6	8.4	8.5	8.4	9.7	9.3
12/5/2012	6	9.2	8.8	8.4	8.3	8.4	8.3	9.7	9.2
12/5/2012	7	9.1	8.7	8.2	8.1	8.2	8.1	9.6	9.1
12/5/2012	8	9.1	8.7	8.1	8.0	8.0	8.0	9.6	9.0
12/5/2012	9	9.0	8.6	8.0	7.9	7.8	7.8	9.6	9.0
12/5/2012	10	9.0	8.6	8.1	7.7	7.7	7.7	9.5	9.0
12/5/2012	11	9.0	8.6	8.4	7.8	7.7	7.7	9.5	9.0
12/5/2012	12	9.0	8.6	8.7	8.0	7.7	7.8	9.4	9.0
12/5/2012	13	9.0	8.6	9.0	7.9	7.8	7.9	9.5	9.0
12/5/2012	14	9.0	8.7	9.2	7.9	7.9	8.0	9.5	9.1
12/5/2012	15	9.1	8.8	9.3	8.0	8.1	8.1	9.5	9.1
12/5/2012	16	9.1	8.7	9.1	8.2	8.4	8.2	9.5	9.2
12/5/2012	17	9.2	8.7	8.9	8.5	8.7	8.4	9.5	9.2
12/5/2012	18	9.2	8.7	8.6	8.6	8.7	8.5	9.6	9.2
12/5/2012	19	9.1	8.8	8.5	8.5	8.5	8.5	9.6	9.2
12/5/2012	20	9.1	8.8	8.5	8.4	8.4	8.4	9.6	9.2
12/5/2012	21	9.1	8.8	8.5	8.3	8.3	8.3	9.6	9.2
12/5/2012	22	9.1	8.8	8.6	8.2	8.2	8.2	9.6	9.2
12/5/2012	23	9.1	8.7	8.7	8.1	8.1	8.1	9.5	9.1
12/5/2012	24	9.1	8.7	8.7	8.1	8.1	8.1	9.5	9.1
12/6/2012	1	9.0	8.7	8.6	8.1	8.1	8.0	9.5	9.1
12/6/2012	2	9.0	8.6	8.5	8.1	8.2	8.1	9.5	9.1
12/6/2012	3	9.0	8.7	8.5	8.1	8.2	8.1	9.5	9.1
12/6/2012	4	9.0	8.7	8.5	8.0	8.1	8.0	9.5	9.1
12/6/2012	5	9.0	8.6	8.5	8.0	8.1	8.0	9.5	9.0
12/6/2012	6	8.9	8.6	8.5	8.0	8.0	8.0	9.5	9.0
12/6/2012	7	8.9	8.5	8.4	7.9	8.0	8.0	9.5	9.0
12/6/2012	8	8.9	8.5	8.4	7.9	8.0	7.9	9.5	9.0
12/6/2012	9	8.9	8.5	8.4	7.9	8.0	7.9	9.5	9.0
12/6/2012	10	9.0	8.6	8.4	7.9	7.9	7.9	9.5	9.0
12/6/2012	11	9.0	8.6	8.5	8.1	8.0	8.0	9.5	9.1
12/6/2012	12	9.0	8.7	8.7	8.1	8.0	8.0	9.5	9.1
12/6/2012	13	9.0	8.7	8.9	8.2	8.1	8.1	9.5	9.1
12/6/2012	14	9.0	8.8	9.0	8.3	8.2	8.2	9.5	9.1
12/6/2012	15	9.0	8.8	9.1	8.3	8.3	8.3	9.5	9.1
12/6/2012	16	9.0	8.7	9.0	8.4	8.4	8.3	9.5	9.1
12/6/2012	17	9.0	8.7	8.9	8.4	8.5	8.4	9.4	9.1
12/6/2012	18	9.0	8.6	8.8	8.4	8.5	8.5	9.4	9.0
12/6/2012	19	8.9	8.6	8.6	8.4	8.5	8.4	9.4	9.0
12/6/2012	20	8.9	8.6	8.5	8.3	8.4	8.3	9.4	9.0
12/6/2012	21	8.9	8.6	8.5	8.2	8.3	8.3	9.4	9.0
12/6/2012	22	8.9	8.6	8.4	8.1	8.1	8.1	9.4	9.0
12/6/2012	23	8.9	8.5	8.4	8.0	8.0	8.0	9.4	9.0
12/6/2012	24	8.9	8.5	8.3	7.9	7.9	7.9	9.4	9.0
12/7/2012	1	8.9	8.5	8.3	7.8	7.9	7.8	9.3	9.0
12/7/2012	2	8.9	8.4	8.2	7.7	7.8	7.8	9.3	8.9

## 2012 4th 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)
12/7/2012	3	8.8	8.4	8.2	7.7	7.7	7.7	9.3	8.9
12/7/2012	4	8.8	8.4	8.2	7.6	7.6	7.6	9.3	8.9
12/7/2012	5	8.8	8.4	8.2	7.5	7.6	7.6	9.3	8.9
12/7/2012	6	8.8	8.4	8.2	7.5	7.6	7.5	9.2	8.8
12/7/2012	7	8.8	8.3	8.2	7.5	7.5	7.5	9.2	8.8
12/7/2012	8	8.7	8.3	8.1	7.4	7.5	7.4	9.2	8.8
12/7/2012	9	8.7	8.2	8.0	7.4	7.5	7.4	9.2	8.8
12/7/2012	10	8.7	8.3	8.0	7.4	7.5	7.4	9.2	8.8
12/7/2012	11	8.7	8.3	8.0	7.4	7.4	7.4	9.1	8.7
12/7/2012	12	8.7	8.3	8.1	7.5	7.5	7.4	9.1	8.7
12/7/2012	13	8.7	8.3	8.2	7.5	7.4	7.4	9.1	8.7
12/7/2012	14	8.7	8.3	8.4	7.6	7.5	7.5	9.1	8.7
12/7/2012	15	8.6	8.3	8.6	7.6	7.6	7.6	9.1	8.7
12/7/2012	16	8.6	8.3	8.6	7.7	7.7	7.6	9.1	8.7
12/7/2012	17	8.6	8.3	8.6	7.7	7.8	7.7	9.0	8.7
12/7/2012	18	8.6	8.2	8.4	7.8	7.9	7.7	9.0	8.7
12/7/2012	19	8.6	8.2	8.2	7.8	7.9	7.7	9.0	8.6
12/7/2012	20	8.6	8.1	8.0	7.7	7.8	7.6	9.0	8.6
12/7/2012	21	8.6	8.1	7.9	7.5	7.6	7.5	9.0	8.6
12/7/2012	22	8.5	8.1	7.8	7.4	7.5	7.4	9.0	8.6
12/7/2012	23	8.5	8.0	7.8	7.3	7.3	7.3	9.0	8.6
12/7/2012	24	8.5	8.0	7.7	7.2	7.2	7.2	9.0	8.6
12/8/2012	1	8.4	8.0	7.7	7.1	7.1	7.0	9.0	8.5
12/8/2012	2	8.4	7.9	7.7	6.9	7.0	6.9	8.9	8.6
12/8/2012	3	8.4	7.9	7.7	6.9	7.0	6.9	8.9	8.5
12/8/2012	4	8.4	7.9	7.6	6.8	6.9	6.8	8.9	8.5
12/8/2012	5	8.3	7.9	7.6	6.8	6.9	6.8	8.9	8.4
12/8/2012	6	8.3	7.8	7.5	6.8	6.8	6.8	8.8	8.4
12/8/2012	7	8.3	7.8	7.5	6.7	6.8	6.7	8.8	8.3
12/8/2012	8	8.3	7.8	7.5	6.7	6.8	6.7	8.8	8.3
12/8/2012	9	8.2	7.7	7.5	6.7	6.8	6.7	8.8	8.3
12/8/2012	10	8.2	7.7	7.5	6.7	6.8	6.7	8.7	8.2
12/8/2012	11	8.2	7.7	7.5	6.8	6.8	6.7	8.7	8.2
12/8/2012	12	8.2	7.7	7.7	6.9	6.8	6.8	8.7	8.2
12/8/2012	13	8.2	7.7	7.8	7.0	6.9	6.9	8.7	8.3
12/8/2012	14	8.2	7.8	7.9	7.0	6.9	6.9	8.7	8.3
12/8/2012	15	8.2	7.8	8.0	7.0	7.0	7.0	8.7	8.3
12/8/2012	16	8.3	7.8	7.9	7.0	7.1	7.0	8.7	8.3
12/8/2012	17	8.2	7.8	7.9	7.2	7.3	7.1	8.7	8.3
12/8/2012	18	8.2	7.8	7.8	7.2	7.3	7.2	8.7	8.4
12/8/2012	19	8.2	7.8	7.7	7.2	7.3	7.2	8.7	8.3
12/8/2012	20	8.2	7.7	7.7	7.1	7.2	7.2	8.7	8.2
12/8/2012	21	8.1	7.7	7.6	7.1	7.1	7.1	8.6	8.2
12/8/2012	22	8.1	7.7	7.7	7.0	7.1	7.0	8.6	8.2
12/8/2012	23	8.1	7.7	7.7	7.0	7.0	7.0	8.6	8.2
12/8/2012	24	8.1	7.6	7.7	7.0	7.0	7.0	8.6	8.1

## 2012 4th 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)
12/9/2012	1	8.1	7.6	7.6	7.0	7.0	7.0	8.6	8.1
12/9/2012	2	8.1	7.6	7.6	7.0	7.0	7.0	8.6	8.1
12/9/2012	3	8.1	7.6	7.6	6.9	7.0	7.0	8.6	8.1
12/9/2012	4	8.1	7.6	7.6	6.9	7.0	7.0	8.5	8.1
12/9/2012	5	8.1	7.6	7.6	6.9	7.0	6.9	8.5	8.1
12/9/2012	6	8.1	7.6	7.6	6.9	7.0	6.9	8.5	8.1
12/9/2012	7	8.1	7.6	7.6	6.9	7.0	6.9	8.5	8.1
12/9/2012	8	8.1	7.6	7.6	6.9	7.0	6.9	8.5	8.1
12/9/2012	9	8.1	7.6	7.6	6.9	7.0	6.9	8.5	8.1
12/9/2012	10	8.1	7.6	7.7	6.9	7.0	7.0	8.5	8.1
12/9/2012	11	8.1	7.6	7.7	7.0	7.0	7.0	8.5	8.1
12/9/2012	12	8.1	7.7	7.8	7.1	7.1	7.1	8.5	8.1
12/9/2012	13	8.1	7.7	8.0	7.2	7.1	7.2	8.5	8.1
12/9/2012	14	8.1	7.7	8.2	7.3	7.2	7.3	8.5	8.1
12/9/2012	15	8.1	7.8	8.3	7.4	7.3	7.3	8.5	8.1
12/9/2012	16	8.1	7.8	8.3	7.5	7.5	7.4	8.5	8.1
12/9/2012	17	8.1	7.7	8.2	7.5	7.6	7.5	8.5	8.1
12/9/2012	18	8.1	7.6	7.9	7.5	7.6	7.5	8.5	8.1
12/9/2012	19	8.1	7.6	7.7	7.5	7.6	7.5	8.5	8.1
12/9/2012	20	8.1	7.6	7.6	7.4	7.5	7.5	8.5	8.1
12/9/2012	21	8.1	7.6	7.6	7.3	7.3	7.4	8.5	8.1
12/9/2012	22	8.1	7.6	7.6	7.2	7.2	7.2	8.6	8.2
12/9/2012	23	8.1	7.6	7.6	7.0	7.1	7.0	8.6	8.2
12/9/2012	24	8.2	7.6	7.5	6.9	7.0	6.9	8.6	8.2
12/10/2012	1	8.2	7.6	7.4	6.9	6.9	6.8	8.6	8.2
12/10/2012	2	8.2	7.7	7.4	6.8	6.9	6.8	8.6	8.3
12/10/2012	3	8.2	7.6	7.3	6.8	6.8	6.7	8.7	8.3
12/10/2012	4	8.2	7.6	7.3	6.7	6.7	6.6	8.7	8.2
12/10/2012	5	8.1	7.6	7.3	6.6	6.6	6.6	8.6	8.2
12/10/2012	6	8.1	7.6	7.3	6.5	6.6	6.5	8.6	8.2
12/10/2012	7	8.1	7.6	7.3	6.5	6.6	6.5	8.6	8.2
12/10/2012	8	8.1	7.6	7.2	6.4	6.5	6.4	8.5	8.2
12/10/2012	9	8.1	7.6	7.2	6.4	6.5	6.4	8.5	8.1
12/10/2012	10	8.1	7.5	7.1	6.4	6.4	6.3	8.5	8.1
12/10/2012	11	8.0	7.5	7.2	6.5	6.5	6.4	8.5	8.0
12/10/2012	12	8.0	7.5	7.5	6.6	6.5	6.6	8.5	8.0
12/10/2012	13	8.0	7.5	7.8	6.4	6.5	6.6	8.5	8.0
12/10/2012	14	8.0	7.6	8.0	6.5	6.6	6.6	8.5	8.1
12/10/2012	15	8.0	7.5	8.0	6.7	6.8	6.7	8.5	8.1
12/10/2012	16	8.0	7.6	7.9	7.0	7.1	6.9	8.5	8.1
12/10/2012	17	8.0	7.5	7.7	7.2	7.3	7.1	8.5	8.1
12/10/2012	18	8.0	7.6	7.6	7.2	7.3	7.2	8.5	8.1
12/10/2012	19	8.0	7.5	7.4	7.2	7.2	7.1	8.5	8.0
12/10/2012	20	8.0	7.5	7.3	7.0	7.0	7.0	8.5	8.0
12/10/2012	21	7.9	7.5	7.3	6.9	6.9	6.9	8.5	8.0
12/10/2012	22	7.9	7.5	7.3	6.8	6.8	6.8	8.5	8.0

## 2012 4th 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)
12/10/2012	23	7.9	7.6	7.3	6.7	6.7	6.7	8.5	8.0
12/10/2012	24	7.9	7.5	7.4	6.7	6.7	6.7	8.5	8.0
12/11/2012	1	7.9	7.5	7.4	6.6	6.7	6.7	8.5	8.0
12/11/2012	2	7.9	7.6	7.5	6.7	6.7	6.7	8.5	8.0
12/11/2012	3	8.0	7.5	7.5	6.7	6.8	6.7	8.5	8.0
12/11/2012	4	8.0	7.6	7.5	6.8	6.8	6.8	8.5	8.0
12/11/2012	5	8.0	7.6	7.5	6.8	6.8	6.8	8.4	8.0
12/11/2012	6	8.0	7.6	7.5	6.8	6.9	6.8	8.4	8.0
12/11/2012	7	7.9	7.6	7.5	6.8	6.9	6.8	8.4	8.0
12/11/2012	8	7.9	7.6	7.5	6.9	6.9	6.8	8.4	8.0
12/11/2012	9	7.9	7.6	7.5	6.9	6.9	6.8	8.4	8.0
12/11/2012	10	7.9	7.5	7.5	6.9	6.9	6.9	8.4	8.0
12/11/2012	11	7.9	7.6	7.6	6.9	6.9	6.9	8.4	8.0
12/11/2012	12	7.9	7.6	7.6	7.0	7.0	6.9	8.4	8.0
12/11/2012	13	7.9	7.6	7.7	7.1	7.0	7.0	8.4	8.0
12/11/2012	14	7.9	7.6	7.9	7.1	7.1	7.1	8.4	7.9
12/11/2012	15	7.9	7.7	8.0	7.1	7.1	7.1	8.3	7.9
12/11/2012	16	7.9	7.6	8.0	7.2	7.2	7.2	8.3	7.9
12/11/2012	17	7.8	7.5	8.0	7.3	7.3	7.2	8.3	7.8
12/11/2012	18	7.8	7.5	7.8	7.4	7.4	7.3	8.3	7.8
12/11/2012	19	7.8	7.4	7.7	7.4	7.4	7.4	8.3	7.9
12/11/2012	20	7.8	7.4	7.6	7.3	7.3	7.3	8.4	7.9
12/11/2012	21	7.9	7.3	7.4	7.2	7.2	7.2	8.4	7.9
12/11/2012	22	7.9	7.4	7.3	7.0	7.1	7.1	8.4	8.0
12/11/2012	23	7.9	7.5	7.2	6.9	6.9	7.0	8.4	8.0
12/11/2012	24	7.9	7.5	7.3	6.8	6.8	6.8	8.5	8.0
12/12/2012	1	8.0	7.5	7.4	6.7	6.7	6.7	8.5	8.1
12/12/2012	2	8.0	7.6	7.5	6.7	6.7	6.7	8.5	8.1
12/12/2012	3	8.0	7.6	7.6	6.7	6.7	6.7	8.5	8.1
12/12/2012	4	8.0	7.6	7.6	6.8	6.8	6.8	8.5	8.1
12/12/2012	5	8.0	7.6	7.7	6.9	6.9	6.8	8.5	8.1
12/12/2012	6	8.0	7.6	7.7	7.0	7.0	6.9	8.5	8.1
12/12/2012	7	8.0	7.6	7.7	7.0	7.0	7.0	8.5	8.1
12/12/2012	8	8.0	7.7	7.7	7.0	7.1	7.0	8.5	8.1
12/12/2012	9	8.0	7.6	7.7	7.1	7.1	7.1	8.5	8.1
12/12/2012	10	8.0	7.6	7.7	7.1	7.1	7.1	8.5	8.1
12/12/2012	11	8.0	7.7	7.8	7.2	7.2	7.2	8.5	8.1
12/12/2012	12	8.0	7.7	7.8	7.2	7.2	7.2	8.6	8.1
12/12/2012	13	8.1	7.8	8.1	7.3	7.3	7.3	8.6	8.1
12/12/2012	14	8.1	7.8	8.3	7.5	7.4	7.4	8.6	8.1
12/12/2012	15	8.1	7.8	8.4	7.5	7.5	7.6	8.6	8.1
12/12/2012	16	8.1	7.8	8.4	7.6	7.6	7.6	8.6	8.1
12/12/2012	17	8.1	7.7	8.2	7.6	7.7	7.6	8.6	8.2
12/12/2012	18	8.1	7.7	8.0	7.8	7.8	7.7	8.6	8.2
12/12/2012	19	8.1	7.7	8.0	7.8	7.8	7.8	8.6	8.2
12/12/2012	20	8.1	7.7	7.8	7.6	7.7	7.7	8.6	8.2

## 2012 4th 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)
12/12/2012	21	8.1	7.7	7.8	7.5	7.5	7.6	8.6	8.2
12/12/2012	22	8.1	7.7	7.8	7.4	7.4	7.5	8.6	8.2
12/12/2012	23	8.1	7.7	7.8	7.3	7.3	7.3	8.6	8.2
12/12/2012	24	8.1	7.8	7.8	7.3	7.3	7.3	8.6	8.2
12/13/2012	1	8.1	7.8	7.9	7.3	7.3	7.3	8.6	8.2
12/13/2012	2	8.1	7.8	7.9	7.3	7.3	7.3	8.6	8.2
12/13/2012	3	8.1	7.8	7.8	7.3	7.3	7.3	8.6	8.2
12/13/2012	4	8.1	7.8	7.9	7.3	7.3	7.3	8.5	8.1
12/13/2012	5	8.0	7.8	7.8	7.3	7.3	7.3	8.5	8.1
12/13/2012	6	8.0	7.7	7.8	7.2	7.3	7.3	8.5	8.1
12/13/2012	7	8.0	7.7	7.8	7.2	7.3	7.2	8.5	8.1
12/13/2012	8	8.0	7.6	7.7	7.2	7.2	7.2	8.5	8.0
12/13/2012	9	7.9	7.6	7.6	7.1	7.2	7.1	8.4	8.0
12/13/2012	10	7.9	7.6	7.6	7.1	7.1	7.1	8.4	8.0
12/13/2012	11	7.9	7.6	7.7	7.0	7.0	7.0	8.4	8.0
12/13/2012	12	7.9	7.6	7.8	7.0	7.0	7.0	8.4	8.0
12/13/2012	13	7.9	7.6	7.8	7.0	7.0	7.0	8.4	8.0
12/13/2012	14	7.9	7.6	7.9	7.1	7.1	7.1	8.4	8.0
12/13/2012	15	7.9	7.6	8.0	7.2	7.2	7.1	8.4	8.0
12/13/2012	16	7.9	7.5	8.0	7.2	7.2	7.1	8.4	7.9
12/13/2012	17	7.9	7.5	7.9	7.2	7.2	7.2	8.3	7.9
12/13/2012	18	7.8	7.5	7.8	7.2	7.3	7.2	8.3	7.9
12/13/2012	19	7.8	7.5	7.8	7.2	7.2	7.2	8.3	7.9
12/13/2012	20	7.8	7.5	7.7	7.2	7.2	7.2	8.3	7.9
12/13/2012	21	7.8	7.4	7.7	7.1	7.1	7.1	8.3	7.8
12/13/2012	22	7.8	7.4	7.6	7.0	7.1	7.1	8.3	7.8
12/13/2012	23	7.7	7.4	7.6	7.0	7.0	7.0	8.2	7.8
12/13/2012	24	7.7	7.4	7.6	7.0	7.0	7.0	8.2	7.8
12/14/2012	1	7.7	7.4	7.6	6.9	7.0	6.9	8.2	7.8
12/14/2012	2	7.7	7.3	7.6	6.9	6.9	6.9	8.2	7.8
12/14/2012	3	7.7	7.3	7.5	6.9	6.9	6.9	8.2	7.8
12/14/2012	4	7.7	7.3	7.5	6.9	6.9	6.9	8.3	7.8
12/14/2012	5	7.7	7.3	7.4	6.9	6.9	6.9	8.3	7.8
12/14/2012	6	7.8	7.3	7.5	6.8	6.9	6.8	8.3	7.9
12/14/2012	7	7.8	7.3	7.4	6.8	6.8	6.8	8.3	7.9
12/14/2012	8	7.8	7.4	7.4	6.8	6.8	6.8	8.3	7.9
12/14/2012	9	7.8	7.4	7.4	6.8	6.8	6.8	8.3	7.9
12/14/2012	10	7.8	7.4	7.5	6.8	6.8	6.8	8.3	7.9
12/14/2012	11	7.8	7.5	7.6	6.8	6.8	6.8	8.3	7.9
12/14/2012	12	7.8	7.5	7.8	6.9	6.9	6.9	8.3	7.9
12/14/2012	13	7.8	7.5	7.9	7.0	7.0	7.0	8.3	7.9
12/14/2012	14	7.8	7.6	8.1	7.1	7.1	7.1	8.3	7.9
12/14/2012	15	7.8	7.6	8.1	7.2	7.2	7.2	8.3	7.9
12/14/2012	16	7.8	7.5	8.1	7.3	7.3	7.3	8.3	7.9
12/14/2012	17	7.8	7.5	8.0	7.4	7.4	7.4	8.3	7.9
12/14/2012	18	7.8	7.5	7.8	7.4	7.5	7.4	8.3	7.9

## 2012 4th 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)
12/14/2012	19	7.8	7.4	7.7	7.3	7.4	7.4	8.3	7.9
12/14/2012	20	7.8	7.4	7.6	7.3	7.3	7.3	8.3	7.9
12/14/2012	21	7.8	7.4	7.6	7.1	7.2	7.2	8.3	7.9
12/14/2012	22	7.8	7.4	7.6	7.0	7.0	7.1	8.3	7.9
12/14/2012	23	7.8	7.4	7.6	6.9	7.0	6.9	8.3	7.9
12/14/2012	24	7.8	7.4	7.4	6.8	6.9	6.8	8.3	7.9
12/15/2012	1	7.8	7.4	7.4	6.8	6.8	6.8	8.3	7.9
12/15/2012	2	7.8	7.4	7.4	6.8	6.8	6.8	8.3	7.9
12/15/2012	3	7.8	7.4	7.4	6.7	6.7	6.7	8.3	7.8
12/15/2012	4	7.7	7.4	7.4	6.7	6.7	6.7	8.2	7.8
12/15/2012	5	7.7	7.4	7.4	6.7	6.7	6.7	8.2	7.8
12/15/2012	6	7.7	7.3	7.4	6.6	6.7	6.6	8.2	7.8
12/15/2012	7	7.7	7.3	7.4	6.7	6.7	6.7	8.2	7.7
12/15/2012	8	7.7	7.3	7.4	6.7	6.7	6.7	8.2	7.7
12/15/2012	9	7.7	7.3	7.4	6.7	6.7	6.7	8.1	7.7
12/15/2012	10	7.6	7.3	7.5	6.7	6.7	6.7	8.1	7.7
12/15/2012	11	7.7	7.3	7.5	6.7	6.7	6.7	8.1	7.7
12/15/2012	12	7.7	7.3	7.5	6.8	6.8	6.7	8.1	7.7
12/15/2012	13	7.7	7.3	7.6	6.8	6.8	6.8	8.1	7.7
12/15/2012	14	7.6	7.3	7.5	6.8	6.9	6.8	8.1	7.7
12/15/2012	15	7.6	7.3	7.5	6.9	6.9	6.9	8.1	7.7
12/15/2012	16	7.6	7.3	7.5	6.9	6.9	6.9	8.1	7.7
12/15/2012	17	7.6	7.2	7.3	6.7	6.8	6.7	8.1	7.6
12/15/2012	18	7.6	7.2	7.1	6.6	6.7	6.6	8.1	7.6
12/15/2012	19	7.6	7.1	7.0	6.6	6.6	6.6	8.1	7.6
12/15/2012	20	7.6	7.2	7.0	6.5	6.5	6.6	8.1	7.6
12/15/2012	21	7.6	7.2	7.1	6.4	6.4	6.4	8.1	7.6
12/15/2012	22	7.6	7.2	7.2	6.4	6.4	6.4	8.1	7.7
12/15/2012	23	7.6	7.2	7.2	6.4	6.4	6.4	8.1	7.7
12/15/2012	24	7.6	7.2	7.2	6.4	6.4	6.4	8.1	7.7
12/16/2012	1	7.6	7.2	7.1	6.4	6.5	6.4	8.1	7.7
12/16/2012	2	7.6	7.1	7.0	6.4	6.5	6.4	8.1	7.6
12/16/2012	3	7.6	7.1	6.9	6.4	6.4	6.4	8.1	7.6
12/16/2012	4	7.6	7.1	6.9	6.3	6.4	6.3	8.0	7.6
12/16/2012	5	7.6	7.1	6.8	6.2	6.3	6.2	8.0	7.6
12/16/2012	6	7.5	7.0	6.9	6.1	6.2	6.1	8.0	7.6
12/16/2012	7	7.5	7.0	6.8	6.0	6.1	6.0	8.0	7.6
12/16/2012	8	7.5	7.0	6.8	6.0	6.1	6.0	7.9	7.5
12/16/2012	9	7.4	7.0	6.9	6.0	6.1	6.0	8.0	7.5
12/16/2012	10	7.4	7.0	7.0	6.1	6.1	6.1	8.0	7.5
12/16/2012	11	7.4	7.1	7.1	6.2	6.2	6.2	8.0	7.5
12/16/2012	12	7.4	7.1	7.3	6.4	6.3	6.3	8.0	7.5
12/16/2012	13	7.4	7.1	7.5	6.5	6.4	6.4	8.0	7.5
12/16/2012	14	7.4	7.1	7.6	6.7	6.6	6.6	8.1	7.5
12/16/2012	15	7.4	7.0	7.6	6.8	6.7	6.7	8.1	7.5
12/16/2012	16	7.4	7.1	7.5	6.8	6.9	6.8	8.1	7.5



## 2012 4th 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)
12/16/2012	17	7.4	7.0	7.3	6.9	6.9	6.8	8.1	7.4
12/16/2012	18	7.4	6.9	7.1	6.7	6.8	6.7	8.0	7.4
12/16/2012	19	7.4	6.9	6.9	6.6	6.7	6.6	7.9	7.4
12/16/2012	20	7.3	6.7	6.4	6.0	6.3	6.1	7.9	7.4
12/16/2012	21	7.3	6.7	6.1	5.8	5.9	5.8	7.8	7.4
12/16/2012	22	7.2	6.6	5.8	5.3	5.5	5.4	7.8	7.3
12/16/2012	23	7.2	6.5	5.5	4.7	5.1	4.9	7.7	7.2
12/16/2012	24	7.1	6.6	5.5	4.8	4.9	4.8	7.6	7.2
12/17/2012	1	7.1	6.7	5.8	4.7	4.7	4.8	7.6	7.2
12/17/2012	2	7.1	6.6	6.2	4.7	4.7	4.7	7.6	7.2
12/17/2012	3	7.1	6.8	6.5	4.8	4.9	4.8	7.6	7.2
12/17/2012	4	7.1	6.7	6.7	5.1	5.1	4.9	7.6	7.2
12/17/2012	5	7.1	6.7	6.8	5.3	5.4	5.2	7.6	7.2
12/17/2012	6	7.1	6.7	6.8	5.6	5.7	5.5	7.6	7.2
12/17/2012	7	7.1	6.7	6.8	5.8	5.9	5.7	7.6	7.2
12/17/2012	8	7.1	6.7	6.8	5.9	6.0	5.9	7.6	7.2
12/17/2012	9	7.1	6.7	6.8	5.9	6.0	5.9	7.7	7.2
12/17/2012	10	7.1	6.7	6.7	6.0	6.1	6.0	7.7	7.2
12/17/2012	11	7.1	6.8	6.9	6.1	6.1	6.1	7.8	7.2
12/17/2012	12	7.1	6.8	7.1	6.3	6.2	6.2	7.7	7.1
12/17/2012	13	7.1	6.8	7.3	6.4	6.3	6.4	7.7	7.2
12/17/2012	14	7.1	6.9	7.4	6.6	6.5	6.5	7.6	7.1
12/17/2012	15	7.1	6.8	7.4	6.7	6.6	6.6	7.6	7.1
12/17/2012	16	7.1	6.7	7.2	6.7	6.7	6.6	7.5	7.1
12/17/2012	17	7.1	6.7	7.0	6.7	6.7	6.6	7.5	7.1
12/17/2012	18	7.0	6.6	6.7	6.6	6.6	6.5	7.4	7.1
12/17/2012	19	6.9	6.6	6.5	6.4	6.5	6.4	7.5	6.7
12/17/2012	20	6.9	6.5	6.4	6.3	6.3	6.3	7.5	6.9
12/17/2012	21	7.0	6.5	6.4	6.1	6.1	6.1	7.6	7.1
12/17/2012	22	7.0	6.6	6.3	5.9	5.9	5.9	7.5	7.2
12/17/2012	23	7.0	6.6	6.2	5.8	5.8	5.7	7.5	7.1
12/17/2012	24	7.0	6.6	6.1	5.7	5.7	5.6	7.5	7.0
12/18/2012	1	6.9	6.6	6.1	5.6	5.7	5.6	7.4	6.9
12/18/2012	2	6.9	6.5	6.1	5.5	5.6	5.5	7.4	6.9
12/18/2012	3	6.9	6.4	6.1	5.5	5.5	5.4	7.4	6.9
12/18/2012	4	6.8	6.4	6.1	5.4	5.5	5.4	7.4	6.9
12/18/2012	5	6.8	6.3	6.1	5.4	5.4	5.4	7.4	6.8
12/18/2012	6	6.7	6.3	6.0	5.4	5.4	5.3	7.4	6.8
12/18/2012	7	6.7	6.2	5.9	5.3	5.4	5.3	7.4	6.8
12/18/2012	8	6.7	6.2	5.8	5.3	5.4	5.3	7.4	6.8
12/18/2012	9	6.7	6.2	5.8	5.3	5.3	5.2	7.4	6.8
12/18/2012	10	6.7	6.3	5.8	5.2	5.2	5.2	7.4	6.7
12/18/2012	11	6.6	6.2	5.9	5.2	5.2	5.2	7.3	6.7
12/18/2012	12	6.6	6.2	6.1	5.3	5.2	5.3	7.3	6.7
12/18/2012	13	6.6	6.1	6.2	5.2	5.3	5.3	7.2	6.7
12/18/2012	14	6.6	6.0	6.4	5.2	5.2	5.3	7.2	6.6

## 2012 4th 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)
12/18/2012	15	6.5	6.1	6.4	5.3	5.4	5.3	7.1	6.6
12/18/2012	16	6.5	5.9	6.2	5.5	5.5	5.4	7.1	6.6
12/18/2012	17	6.5	6.0	6.1	5.6	5.7	5.5	7.0	6.6
12/18/2012	18	6.5	6.0	5.9	5.6	5.6	5.5	6.9	6.6
12/18/2012	19	6.4	5.9	5.7	5.4	5.5	5.4	6.9	6.5
12/18/2012	20	6.4	5.8	5.6	5.3	5.3	5.3	6.9	6.3
12/18/2012	21	6.4	5.8	5.5	5.1	5.1	5.1	6.9	6.4
12/18/2012	22	6.4	5.7	5.4	4.9	4.9	4.9	6.9	6.5
12/18/2012	23	6.5	5.7	5.4	4.7	4.8	4.7	6.9	6.5
12/18/2012	24	6.5	5.9	5.3	4.6	4.7	4.6	6.9	6.5
12/19/2012	1	6.5	5.8	5.3	4.6	4.6	4.5	6.9	6.5
12/19/2012	2	6.5	5.8	5.3	4.5	4.6	4.5	6.9	6.5
12/19/2012	3	6.4	5.9	5.4	4.5	4.5	4.5	6.9	6.5
12/19/2012	4	6.4	5.9	5.5	4.5	4.5	4.4	6.9	6.4
12/19/2012	5	6.4	5.9	5.5	4.5	4.5	4.4	6.9	6.3
12/19/2012	6	6.3	5.8	5.5	4.5	4.5	4.4	6.9	6.3
12/19/2012	7	6.3	5.7	5.5	4.6	4.6	4.5	6.9	6.3
12/19/2012	8	6.3	5.7	5.5	4.6	4.6	4.5	6.9	6.3
12/19/2012	9	6.3	5.7	5.4	4.6	4.7	4.5	6.9	6.3
12/19/2012	10	6.3	5.7	5.4	4.7	4.7	4.6	6.9	6.3
12/19/2012	11	6.3	5.8	5.5	4.7	4.7	4.7	6.9	6.3
12/19/2012	12	6.3	5.8	5.6	4.7	4.7	4.7	7.0	6.2
12/19/2012	13	6.3	5.8	5.7	4.8	4.8	4.7	7.1	6.3
12/19/2012	14	6.3	5.9	5.8	4.8	4.8	4.8	7.2	6.4
12/19/2012	15	6.3	5.9	5.9	4.9	4.9	4.9	7.1	6.5
12/19/2012	16	6.3	5.8	5.9	5.1	5.1	4.9	7.0	6.3
12/19/2012	17	6.3	5.8	5.9	5.1	5.1	5.0	6.9	6.2
12/19/2012	18	6.3	5.9	5.8	5.1	5.2	5.1	6.9	6.3
12/19/2012	19	6.4	5.8	5.6	4.9	5.1	4.9	6.9	6.4
12/19/2012	20	6.4	5.9	5.4	5.0	5.1	5.0	6.9	6.5
12/19/2012	21	6.4	5.9	5.4	4.9	5.0	5.0	6.9	6.5
12/19/2012	22	6.4	6.0	5.4	4.9	4.9	4.9	6.9	6.5
12/19/2012	23	6.4	6.0	5.5	4.8	4.8	4.8	6.9	6.4
12/19/2012	24	6.4	6.0	5.6	4.8	4.8	4.8	6.9	6.5
12/20/2012	1	6.4	6.0	5.7	4.8	4.8	4.8	6.9	6.5
12/20/2012	2	6.4	6.0	5.8	4.9	4.9	4.8	6.9	6.5
12/20/2012	3	6.4	6.0	5.9	4.9	5.0	4.9	6.9	6.5
12/20/2012	4	6.4	6.0	6.0	5.1	5.1	5.0	6.9	6.5
12/20/2012	5	6.4	6.0	6.1	5.2	5.2	5.1	7.0	6.5
12/20/2012	6	6.4	6.1	6.1	5.3	5.3	5.2	7.0	6.5
12/20/2012	7	6.5	6.1	6.1	5.4	5.4	5.3	7.0	6.5
12/20/2012	8	6.5	6.2	6.2	5.4	5.5	5.4	7.0	6.6
12/20/2012	9	6.6	6.2	6.2	5.5	5.5	5.5	7.1	6.6
12/20/2012	10	6.6	6.3	6.3	5.6	5.6	5.6	7.1	6.8
12/20/2012	11	6.6	6.4	6.4	5.7	5.7	5.7	7.1	6.6
12/20/2012	12	6.6	6.4	6.6	5.8	5.8	5.8	7.2	6.6

## 2012 4th 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)
12/20/2012	13	6.6	6.5	6.8	6.0	5.9	6.0	7.2	6.6
12/20/2012	14	6.7	6.5	7.0	6.1	6.1	6.1	7.3	6.7
12/20/2012	15	6.7	6.5	7.1	6.3	6.3	6.3	7.3	6.7
12/20/2012	16	6.7	6.5	7.1	6.4	6.4	6.4	7.4	6.7
12/20/2012	17	6.7	6.5	7.0	6.5	6.5	6.4	7.4	6.7
12/20/2012	18	6.7	6.4	6.7	6.5	6.6	6.5	7.4	6.7
12/20/2012	19	6.7	6.4	6.5	6.5	6.5	6.5	7.3	6.7
12/20/2012	20	6.7	6.4	6.4	6.4	6.4	6.4	7.3	6.7
12/20/2012	21	6.7	6.4	6.3	6.2	6.2	6.3	7.3	6.8
12/20/2012	22	6.7	6.4	6.2	6.0	6.0	6.1	7.3	6.8
12/20/2012	23	6.7	6.4	6.2	5.9	5.9	5.9	7.2	6.8
12/20/2012	24	6.7	6.4	6.1	5.7	5.8	5.8	7.2	6.8
12/21/2012	1	6.7	6.4	6.1	5.6	5.7	5.7	7.2	6.8
12/21/2012	2	6.7	6.4	6.1	5.6	5.6	5.6	7.2	6.7
12/21/2012	3	6.7	6.5	6.2	5.5	5.6	5.6	7.1	6.7
12/21/2012	4	6.6	6.4	6.3	5.5	5.6	5.5	7.1	6.7
12/21/2012	5	6.6	6.4	6.2	5.5	5.6	5.5	7.1	6.7
12/21/2012	6	6.6	6.3	6.1	5.5	5.6	5.5	7.1	6.6
12/21/2012	7	6.6	6.3	6.1	5.6	5.6	5.6	7.0	6.6
12/21/2012	8	6.5	6.3	6.2	5.6	5.6	5.6	7.0	6.6
12/21/2012	9	6.5	6.3	6.2	5.5	5.6	5.5	7.0	6.6
12/21/2012	10	6.5	6.3	6.2	5.6	5.6	5.6	7.0	6.6
12/21/2012	11	6.5	6.3	6.3	5.6	5.6	5.6	7.0	6.6
12/21/2012	12	6.5	6.3	6.3	5.7	5.7	5.6	7.1	6.5
12/21/2012	13	6.5	6.3	6.3	5.7	5.7	5.7	7.1	6.5
12/21/2012	14	6.5	6.3	6.4	5.8	5.7	5.7	7.1	6.6
12/21/2012	15	6.5	6.3	6.4	5.7	5.8	5.7	7.1	6.6
12/21/2012	16	6.5	6.3	6.3	5.8	5.8	5.7	7.1	6.6
12/21/2012	17	6.6	6.3	6.3	5.8	5.8	5.8	7.1	6.7
12/21/2012	18	6.6	6.3	6.2	5.7	5.8	5.7	7.1	6.7
12/21/2012	19	6.6	6.4	6.2	5.7	5.8	5.7	7.1	6.7
12/21/2012	20	6.6	6.4	6.2	5.7	5.7	5.7	7.1	6.7
12/21/2012	21	6.6	6.4	6.3	5.7	5.7	5.7	7.1	6.7
12/21/2012	22	6.6	6.4	6.3	5.7	5.7	5.7	7.1	6.7
12/21/2012	23	6.6	6.4	6.4	5.7	5.7	5.7	7.1	6.7
12/21/2012	24	6.6	6.4	6.3	5.7	5.7	5.7	7.1	6.7
12/22/2012	1	6.6	6.4	6.3	5.7	5.8	5.7	7.1	6.7
12/22/2012	2	6.6	6.4	6.3	5.7	5.8	5.7	7.1	6.7
12/22/2012	3	6.6	6.4	6.3	5.7	5.8	5.7	7.1	6.6
12/22/2012	4	6.6	6.4	6.3	5.7	5.8	5.8	7.1	6.6
12/22/2012	5	6.6	6.4	6.4	5.7	5.8	5.8	7.0	6.6
12/22/2012	6	6.6	6.4	6.5	5.8	5.8	5.8	7.0	6.6
12/22/2012	7	6.5	6.3	6.5	5.8	5.8	5.8	7.0	6.6
12/22/2012	8	6.5	6.2	6.4	5.8	5.9	5.8	7.0	6.6
12/22/2012	9	6.5	6.3	6.3	5.8	5.9	5.8	7.0	6.6
12/22/2012	10	6.5	6.3	6.2	5.8	5.9	5.8	7.0	6.6

## 2012 4th 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)
12/22/2012	11	6.5	6.3	6.3	5.9	5.9	5.9	7.1	6.6
12/22/2012	12	6.5	6.3	6.4	5.8	5.8	5.9	7.1	6.6
12/22/2012	13	6.5	6.3	6.5	5.8	5.8	5.8	7.1	6.6
12/22/2012	14	6.6	6.4	6.6	5.9	5.8	5.9	7.1	6.6
12/22/2012	15	6.6	6.4	6.7	6.0	6.0	6.0	7.1	6.7
12/22/2012	16	6.6	6.4	6.8	6.1	6.1	6.1	7.2	6.7
12/22/2012	17	6.7	6.4	6.8	6.2	6.2	6.2	7.2	6.7
12/22/2012	18	6.7	6.5	6.7	6.2	6.2	6.2	7.2	6.8
12/22/2012	19	6.7	6.5	6.7	6.2	6.3	6.3	7.2	6.8
12/22/2012	20	6.7	6.5	6.6	6.3	6.3	6.3	7.3	6.8
12/22/2012	21	6.7	6.5	6.6	6.2	6.2	6.2	7.3	6.8
12/22/2012	22	6.7	6.5	6.5	6.1	6.2	6.2	7.3	6.8
12/22/2012	23	6.8	6.5	6.5	6.1	6.1	6.1	7.4	6.9
12/22/2012	24	6.8	6.6	6.5	6.0	6.1	6.1	7.4	6.9
12/23/2012	1	6.8	6.6	6.6	6.0	6.0	6.1	7.4	6.9
12/23/2012	2	6.8	6.6	6.6	6.0	6.0	6.0	7.4	6.9
12/23/2012	3	6.9	6.6	6.7	6.0	6.1	6.1	7.4	6.9
12/23/2012	4	6.9	6.7	6.7	6.1	6.2	6.1	7.4	6.9
12/23/2012	5	6.9	6.7	6.7	6.2	6.2	6.2	7.4	6.9
12/23/2012	6	6.9	6.7	6.7	6.2	6.3	6.2	7.4	6.9
12/23/2012	7	6.9	6.7	6.7	6.2	6.3	6.3	7.4	7.0
12/23/2012	8	6.9	6.7	6.7	6.2	6.3	6.3	7.4	7.0
12/23/2012	9	6.9	6.7	6.7	6.3	6.3	6.3	7.4	7.0
12/23/2012	10	6.9	6.7	6.7	6.3	6.3	6.3	7.4	7.0
12/23/2012	11	6.9	6.7	6.8	6.4	6.3	6.4	7.5	7.0
12/23/2012	12	6.9	6.8	6.9	6.5	6.4	6.4	7.5	7.0
12/23/2012	13	6.9	6.8	7.1	6.6	6.5	6.5	7.5	7.0
12/23/2012	14	7.0	6.8	7.2	6.6	6.5	6.6	7.5	7.0
12/23/2012	15	7.0	6.8	7.2	6.7	6.7	6.6	7.5	7.1
12/23/2012	16	7.0	6.8	7.2	6.8	6.8	6.7	7.5	7.1
12/23/2012	17	7.0	6.8	7.1	6.8	6.8	6.8	7.5	7.1
12/23/2012	18	7.0	6.7	7.0	6.7	6.8	6.8	7.5	7.1
12/23/2012	19	7.0	6.7	6.9	6.7	6.7	6.7	7.5	7.1
12/23/2012	20	7.0	6.7	6.7	6.6	6.6	6.7	7.5	7.1
12/23/2012	21	7.0	6.7	6.6	6.5	6.5	6.5	7.5	7.1
12/23/2012	22	6.9	6.6	6.4	6.3	6.3	6.3	7.5	7.1
12/23/2012	23	6.9	6.6	6.2	6.0	6.1	6.1	7.4	7.0
12/23/2012	24	6.9	6.6	6.2	5.9	5.9	5.9	7.4	7.0
12/24/2012	1	6.9	6.6	6.2	5.8	5.8	5.8	7.4	7.0
12/24/2012	2	6.9	6.6	6.3	5.7	5.7	5.7	7.4	7.0
12/24/2012	3	6.8	6.6	6.3	5.6	5.7	5.6	7.4	6.9
12/24/2012	4	6.8	6.6	6.4	5.6	5.7	5.7	7.3	6.9
12/24/2012	5	6.7	6.6	6.5	5.7	5.8	5.7	7.3	6.8
12/24/2012	6	6.7	6.5	6.6	5.8	5.9	5.8	7.3	6.8
12/24/2012	7	6.7	6.5	6.6	5.9	5.9	5.9	7.3	6.8
12/24/2012	8	6.7	6.5	6.6	5.9	6.0	6.0	7.2	6.8

## 2012 4th 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)
12/24/2012	9	6.7	6.4	6.6	6.1	6.1	6.0	7.2	6.8
12/24/2012	10	6.7	6.5	6.6	6.1	6.1	6.1	7.3	6.8
12/24/2012	11	6.7	6.5	6.7	6.2	6.1	6.2	7.3	6.8
12/24/2012	12	6.7	6.5	6.9	6.3	6.2	6.3	7.3	6.8
12/24/2012	13	6.7	6.6	7.1	6.4	6.3	6.4	7.3	6.8
12/24/2012	14	6.7	6.6	7.3	6.5	6.4	6.5	7.3	6.8
12/24/2012	15	6.8	6.6	7.4	6.7	6.6	6.6	7.3	6.9
12/24/2012	16	6.8	6.6	7.3	6.7	6.8	6.7	7.4	6.9
12/24/2012	17	6.8	6.6	7.2	6.8	6.9	6.8	7.4	6.9
12/24/2012	18	6.8	6.6	7.0	6.8	6.9	6.9	7.4	6.9
12/24/2012	19	6.8	6.6	6.9	6.8	6.8	6.8	7.4	6.9
12/24/2012	20	6.8	6.6	6.7	6.7	6.7	6.7	7.4	6.9
12/24/2012	21	6.8	6.6	6.7	6.5	6.6	6.6	7.4	6.9
12/24/2012	22	6.8	6.6	6.7	6.4	6.4	6.5	7.4	6.9
12/24/2012	23	6.8	6.6	6.6	6.3	6.3	6.4	7.4	6.9
12/24/2012	24	6.8	6.6	6.6	6.2	6.3	6.3	7.4	6.9
12/25/2012	1	6.8	6.5	6.6	6.2	6.2	6.2	7.4	6.9
12/25/2012	2	6.9	6.6	6.6	6.1	6.2	6.2	7.4	6.9
12/25/2012	3	6.9	6.6	6.5	6.1	6.1	6.1	7.4	6.9
12/25/2012	4	6.8	6.5	6.4	6.0	6.1	6.0	7.4	6.9
12/25/2012	5	6.8	6.5	6.4	6.0	6.0	6.0	7.3	6.9
12/25/2012	6	6.8	6.5	6.4	5.9	5.9	5.9	7.3	6.9
12/25/2012	7	6.8	6.5	6.3	5.8	5.9	5.9	7.3	6.9
12/25/2012	8	6.8	6.4	6.3	5.8	5.8	5.8	7.3	6.9
12/25/2012	9	6.7	6.5	6.3	5.8	5.8	5.8	7.3	6.9
12/25/2012	10	6.7	6.5	6.4	5.8	5.8	5.8	7.3	6.8
12/25/2012	11	6.7	6.5	6.5	5.8	5.8	5.8	7.3	6.8
12/25/2012	12	6.7	6.5	6.6	5.8	5.8	5.8	7.3	6.8
12/25/2012	13	6.7	6.5	6.7	5.9	5.9	5.9	7.3	6.8
12/25/2012	14	6.7	6.5	6.8	6.0	6.0	6.0	7.3	6.8
12/25/2012	15	6.7	6.5	6.8	6.1	6.1	6.1	7.3	6.8
12/25/2012	16	6.7	6.4	6.7	6.2	6.2	6.1	7.3	6.8
12/25/2012	17	6.7	6.5	6.6	6.2	6.2	6.2	7.3	6.8
12/25/2012	18	6.7	6.5	6.5	6.2	6.3	6.2	7.3	6.8
12/25/2012	19	6.7	6.4	6.5	6.2	6.2	6.2	7.3	6.8
12/25/2012	20	6.7	6.5	6.5	6.1	6.2	6.2	7.3	6.8
12/25/2012	21	6.7	6.5	6.5	6.1	6.1	6.1	7.3	6.8
12/25/2012	22	6.7	6.5	6.5	6.1	6.1	6.1	7.3	6.9
12/25/2012	23	6.7	6.5	6.5	6.1	6.1	6.1	7.3	6.9
12/25/2012	24	6.8	6.5	6.5	6.1	6.1	6.1	7.3	6.9
12/26/2012	1	6.8	6.5	6.6	6.1	6.1	6.1	7.3	6.9
12/26/2012	2	6.8	6.6	6.6	6.1	6.2	6.1	7.4	6.9
12/26/2012	3	6.8	6.6	6.6	6.1	6.2	6.2	7.4	6.8
12/26/2012	4	6.8	6.6	6.6	6.1	6.2	6.2	7.4	6.9
12/26/2012	5	6.8	6.6	6.6	6.2	6.2	6.2	7.4	6.9
12/26/2012	6	6.8	6.6	6.6	6.2	6.2	6.2	7.4	6.9

## 2012 4th 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)
12/26/2012	7	6.8	6.6	6.6	6.2	6.2	6.2	7.4	6.9
12/26/2012	8	6.8	6.6	6.6	6.2	6.2	6.2	7.4	6.9
12/26/2012	9	6.8	6.6	6.6	6.2	6.2	6.2	7.4	6.9
12/26/2012	10	6.8	6.6	6.7	6.3	6.2	6.3	7.4	6.9
12/26/2012	11	6.8	6.6	6.8	6.3	6.3	6.3	7.4	6.9
12/26/2012	12	6.9	6.7	6.9	6.4	6.3	6.4	7.4	6.9
12/26/2012	13	6.9	6.7	7.1	6.5	6.4	6.5	7.4	6.9
12/26/2012	14	6.9	6.8	7.3	6.7	6.6	6.6	7.5	7.0
12/26/2012	15	6.9	6.8	7.4	6.8	6.7	6.7	7.5	7.0
12/26/2012	16	6.9	6.8	7.3	6.9	6.8	6.8	7.5	7.0
12/26/2012	17	6.9	6.8	7.3	6.9	7.0	6.9	7.5	7.0
12/26/2012	18	6.9	6.7	7.0	6.9	7.0	6.9	7.5	7.0
12/26/2012	19	6.9	6.6	6.9	6.9	6.9	6.9	7.4	7.0
12/26/2012	20	6.9	6.7	6.8	6.8	6.8	6.9	7.4	7.0
12/26/2012	21	6.8	6.6	6.8	6.7	6.7	6.8	7.4	6.9
12/26/2012	22	6.8	6.6	6.7	6.6	6.6	6.6	7.4	6.9
12/26/2012	23	6.8	6.6	6.7	6.5	6.5	6.5	7.4	6.9
12/26/2012	24	6.8	6.6	6.7	6.4	6.4	6.5	7.4	6.9
12/27/2012	1	6.8	6.6	6.7	6.4	6.4	6.4	7.4	6.9
12/27/2012	2	6.8	6.6	6.6	6.3	6.4	6.4	7.4	6.9
12/27/2012	3	6.7	6.5	6.6	6.3	6.3	6.3	7.3	6.9
12/27/2012	4	6.7	6.5	6.6	6.2	6.3	6.3	7.3	6.9
12/27/2012	5	6.7	6.5	6.6	6.2	6.2	6.2	7.3	6.8
12/27/2012	6	6.7	6.5	6.6	6.2	6.2	6.2	7.3	6.8
12/27/2012	7	6.7	6.5	6.5	6.1	6.2	6.2	7.3	6.8
12/27/2012	8	6.7	6.5	6.5	6.1	6.2	6.2	7.3	6.8
12/27/2012	9	6.7	6.5	6.6	6.1	6.2	6.2	7.3	6.8
12/27/2012	10	6.7	6.5	6.6	6.1	6.2	6.2	7.3	6.8
12/27/2012	11	6.7	6.5	6.6	6.2	6.2	6.2	7.3	6.8
12/27/2012	12	6.8	6.6	6.8	6.3	6.2	6.3	7.3	6.9
12/27/2012	13	6.8	6.6	7.0	6.4	6.3	6.4	7.3	6.9
12/27/2012	14	6.8	6.7	7.2	6.5	6.4	6.5	7.4	6.9
12/27/2012	15	6.9	6.7	7.3	6.6	6.6	6.6	7.4	6.9
12/27/2012	16	6.9	6.7	7.3	6.7	6.7	6.7	7.4	6.9
12/27/2012	17	6.9	6.7	7.1	6.8	6.8	6.8	7.4	7.0
12/27/2012	18	6.9	6.6	7.0	6.8	6.9	6.8	7.4	7.0
12/27/2012	19	6.9	6.6	6.8	6.8	6.8	6.8	7.4	7.0
12/27/2012	20	6.9	6.6	6.7	6.7	6.7	6.8	7.4	7.0
12/27/2012	21	6.9	6.6	6.6	6.6	6.6	6.6	7.4	6.9
12/27/2012	22	6.9	6.6	6.6	6.5	6.5	6.5	7.4	6.9
12/27/2012	23	6.8	6.6	6.6	6.4	6.4	6.4	7.4	6.9
12/27/2012	24	6.8	6.6	6.6	6.3	6.3	6.3	7.3	6.9
12/28/2012	1	6.8	6.6	6.6	6.2	6.3	6.3	7.3	6.9
12/28/2012	2	6.8	6.6	6.6	6.2	6.2	6.2	7.3	6.9
12/28/2012	3	6.7	6.5	6.6	6.2	6.2	6.2	7.3	6.9
12/28/2012	4	6.7	6.5	6.5	6.2	6.2	6.2	7.3	6.8

## 2012 4th 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)
12/28/2012	5	6.7	6.5	6.5	6.1	6.2	6.1	7.3	6.8
12/28/2012	6	6.7	6.4	6.4	6.1	6.1	6.1	7.3	6.7
12/28/2012	7	6.6	6.4	6.3	6.0	6.1	6.0	7.2	6.7
12/28/2012	8	6.6	6.4	6.3	5.9	6.0	5.9	7.2	6.7
12/28/2012	9	6.6	6.3	6.3	5.9	5.9	5.9	7.2	6.7
12/28/2012	10	6.6	6.3	6.3	5.9	5.9	5.9	7.2	6.7
12/28/2012	11	6.6	6.4	6.3	5.9	5.9	5.9	7.2	6.7
12/28/2012	12	6.6	6.4	6.5	5.9	5.9	5.9	7.2	6.8
12/28/2012	13	6.7	6.5	6.7	6.0	5.9	6.0	7.2	6.8
12/28/2012	14	6.7	6.5	6.8	6.1	6.0	6.0	7.3	6.8
12/28/2012	15	6.7	6.5	6.8	6.1	6.1	6.1	7.3	6.8
12/28/2012	16	6.7	6.5	6.8	6.2	6.2	6.2	7.3	6.8
12/28/2012	17	6.7	6.5	6.8	6.3	6.3	6.3	7.3	6.9
12/28/2012	18	6.7	6.5	6.6	6.3	6.4	6.3	7.3	6.8
12/28/2012	19	6.7	6.5	6.5	6.3	6.3	6.3	7.3	6.8
12/28/2012	20	6.7	6.5	6.5	6.2	6.3	6.3	7.3	6.8
12/28/2012	21	6.7	6.5	6.4	6.2	6.2	6.2	7.3	6.8
12/28/2012	22	6.7	6.5	6.4	6.1	6.1	6.1	7.3	6.8
12/28/2012	23	6.7	6.5	6.4	6.0	6.1	6.1	7.3	6.8
12/28/2012	24	6.7	6.5	6.4	6.0	6.0	6.0	7.3	6.8
12/29/2012	1	6.7	6.5	6.4	6.0	6.0	6.0	7.3	6.8
12/29/2012	2	6.7	6.5	6.4	5.9	6.0	6.0	7.3	6.8
12/29/2012	3	6.7	6.5	6.4	5.9	6.0	5.9	7.2	6.8
12/29/2012	4	6.7	6.4	6.4	5.9	5.9	5.9	7.2	6.8
12/29/2012	5	6.7	6.4	6.3	5.9	5.9	5.9	7.2	6.8
12/29/2012	6	6.7	6.4	6.3	5.9	5.9	5.9	7.2	6.7
12/29/2012	7	6.7	6.4	6.3	5.8	5.9	5.9	7.2	6.7
12/29/2012	8	6.6	6.4	6.3	5.8	5.8	5.8	7.2	6.7
12/29/2012	9	6.6	6.3	6.1	5.7	5.8	5.7	7.1	6.7
12/29/2012	10	6.6	6.3	6.1	5.8	5.8	5.8	7.1	6.7
12/29/2012	11	6.6	6.4	6.2	5.8	5.8	5.8	7.1	6.6
12/29/2012	12	6.6	6.4	6.3	5.9	5.8	5.8	7.1	6.6
12/29/2012	13	6.6	6.4	6.5	5.9	5.8	5.9	7.1	6.7
12/29/2012	14	6.6	6.4	6.6	6.1	6.0	6.0	7.1	6.7
12/29/2012	15	6.6	6.4	6.7	6.1	6.1	6.1	7.1	6.7
12/29/2012	16	6.6	6.4	6.6	6.1	6.2	6.1	7.1	6.7
12/29/2012	17	6.6	6.3	6.5	6.2	6.3	6.2	7.1	6.6
12/29/2012	18	6.6	6.3	6.3	6.2	6.2	6.2	7.1	6.6
12/29/2012	19	6.6	6.2	6.1	6.1	6.2	6.1	7.1	6.6
12/29/2012	20	6.6	6.2	6.0	6.0	6.1	6.1	7.1	6.6
12/29/2012	21	6.5	6.2	6.0	5.9	5.9	6.0	7.1	6.6
12/29/2012	22	6.5	6.2	5.9	5.8	5.8	5.8	7.0	6.6
12/29/2012	23	6.5	6.2	5.9	5.7	5.7	5.7	7.0	6.6
12/29/2012	24	6.5	6.2	5.9	5.6	5.6	5.6	7.0	6.6
12/30/2012	1	6.5	6.1	5.9	5.5	5.6	5.6	7.0	6.6
12/30/2012	2	6.5	6.1	5.9	5.5	5.5	5.5	7.0	6.5

## 2012 4th 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)
12/30/2012	3	6.5	6.2	5.9	5.5	5.5	5.5	6.9	6.5
12/30/2012	4	6.4	6.1	5.9	5.4	5.5	5.4	6.9	6.5
12/30/2012	5	6.4	6.1	5.8	5.4	5.5	5.4	6.9	6.4
12/30/2012	6	6.3	6.0	5.8	5.4	5.4	5.4	6.9	6.4
12/30/2012	7	6.3	6.0	5.7	5.3	5.4	5.3	6.9	6.4
12/30/2012	8	6.3	5.9	5.6	5.3	5.4	5.3	6.9	6.4
12/30/2012	9	6.3	5.9	5.6	5.2	5.3	5.2	6.8	6.3
12/30/2012	10	6.3	5.9	5.6	5.3	5.3	5.2	6.8	6.3
12/30/2012	11	6.3	5.9	5.7	5.4	5.3	5.3	6.8	6.3
12/30/2012	12	6.3	6.0	5.9	5.4	5.3	5.3	6.8	6.3
12/30/2012	13	6.3	5.9	6.1	5.4	5.3	5.3	6.8	6.4
12/30/2012	14	6.3	6.0	6.1	5.5	5.5	5.5	6.8	6.4
12/30/2012	15	6.3	6.0	6.1	5.6	5.6	5.5	6.8	6.4
12/30/2012	16	6.4	6.1	6.0	5.6	5.7	5.6	6.9	6.4
12/30/2012	17	6.4	6.0	5.9	5.6	5.7	5.6	6.9	6.5
12/30/2012	18	6.3	6.0	5.8	5.5	5.6	5.5	6.9	6.4
12/30/2012	19	6.3	5.9	5.6	5.4	5.5	5.4	6.9	6.4
12/30/2012	20	6.3	5.9	5.4	5.3	5.4	5.3	6.8	6.4
12/30/2012	21	6.2	5.8	5.2	5.2	5.2	5.2	6.8	6.3
12/30/2012	22	6.2	5.8	5.2	5.0	5.1	5.1	6.8	6.3
12/30/2012	23	6.2	5.8	5.1	4.9	4.9	4.9	6.8	6.3
12/30/2012	24	6.2	5.8	5.1	4.7	4.8	4.7	6.8	6.3
12/31/2012	1	6.2	5.8	5.1	4.6	4.6	4.6	6.7	6.3
12/31/2012	2	6.2	5.7	5.1	4.5	4.6	4.5	6.7	6.3
12/31/2012	3	6.1	5.7	5.1	4.5	4.5	4.5	6.7	6.2
12/31/2012	4	6.1	5.7	5.1	4.5	4.5	4.5	6.7	6.2
12/31/2012	5	6.1	5.7	5.0	4.5	4.5	4.5	6.7	6.2
12/31/2012	6	6.1	5.6	5.0	4.5	4.6	4.5	6.7	6.2
12/31/2012	7	6.1	5.7	5.0	4.5	4.6	4.5	6.6	6.1
12/31/2012	8	6.1	5.7	5.0	4.5	4.5	4.5	6.6	6.1
12/31/2012	9	6.0	5.6	5.0	4.5	4.5	4.5	6.6	6.1
12/31/2012	10	6.0	5.7	5.1	4.6	4.5	4.5	6.6	6.1
12/31/2012	11	6.1	5.7	5.3	4.6	4.6	4.6	6.6	6.1
12/31/2012	12	6.1	5.7	5.5	4.8	4.7	4.7	6.6	6.2
12/31/2012	13	6.1	5.8	5.6	4.9	4.8	4.8	6.6	6.2
12/31/2012	14	6.1	5.8	5.8	5.1	5.0	4.9	6.6	6.2
12/31/2012	15	6.2	5.8	5.9	5.2	5.2	5.1	6.7	6.2
12/31/2012	16	6.2	5.9	5.9	5.3	5.3	5.2	6.7	6.2
12/31/2012	17	6.2	5.8	5.8	5.3	5.4	5.3	6.7	6.3
12/31/2012	18	6.2	5.8	5.6	5.4	5.4	5.3	6.7	6.2
12/31/2012	19	6.1	5.8	5.5	5.4	5.4	5.4	6.7	6.2
12/31/2012	20	6.1	5.8	5.4	5.3	5.3	5.3	6.7	6.2
12/31/2012	21	6.1	5.7	5.3	5.1	5.2	5.2	6.6	6.2
12/31/2012	22	6.1	5.7	5.3	5.0	5.0	5.0	6.6	6.1
12/31/2012	23	6.0	5.7	5.2	4.8	4.9	4.8	6.6	6.1
12/31/2012	24	6.0	5.6	5.1	4.8	4.8	4.7	6.5	6.1