

Water Temperature at Data Logger Stations 1-10 PSNH Schiller Station Thermal Study Sept 15- Nov 14 2011											
Sensor Depth		Station ID									
		1	2	3	4	5	6	7	8	9	10
Surface	Average Temp (Deg C)	14.32	14.80	14.95	14.78	14.28	14.44	15.37	14.70	14.71	14.37
	Max Temp (Deg C)	22.24	24.45	24.93	24.06	23.29	23.29	26.00	25.81	25.90	24.55
	Standard Deviation (Deg C)	3.55	3.67	3.82	3.68	3.58	3.49	3.70	3.49	3.43	3.45
Mid	Average Temp (Deg C)	14.32	NA	14.58	14.48	14.13	14.23	14.42	14.30	14.48	14.22
	Max Temp (Deg C)	22.24	NA	23.58	22.91	22.43	22.81	22.72	22.53	22.33	22.14
	Standard Deviation (Deg C)	3.55	NA	3.61	3.53	3.58	3.43	3.39	3.41	3.32	3.42
Deep	Average Temp (Deg C)	14.32	14.59	14.58	14.44	14.16	14.18	14.23	14.23	14.49	14.22
	Max Temp (Deg C)	22.24	23.48	23.00	22.62	22.43	22.53	22.24	22.14	22.24	22.05
	Standard Deviation (Deg C)	3.55	3.57	3.56	3.49	3.57	3.41	3.37	3.40	3.31	3.41

Notes

All Data provided by PSNH
 Station 2 has no mid depth temperature sensor
 Data collected in 5 minute intervals

14.32443	14.79972	14.95018	14.77817	14.27535	14.43986	15.37339	14.70338	14.70927	14.36788
22.24	24.45	24.93	24.06	23.29	23.29	26.00	25.81	25.90	24.55
3.55	3.67	3.82	3.68	3.58	3.49	3.70	3.49	3.43	3.45
14.32	-9999.00	14.58	14.48	14.13	14.23	14.42	14.30	14.48	14.22
22.24	-9999.00	23.58	22.91	22.43	22.81	22.72	22.53	22.33	22.14
3.55	-9999.00	3.61	3.53	3.58	3.43	3.39	3.41	3.32	3.42
14.32	14.59	14.58	14.44	14.16	14.18	14.23	14.23	14.49	14.22
22.24	23.48	23.00	22.62	22.43	22.53	22.24	22.14	22.24	22.05
3.55	3.57	3.56	3.49	3.57	3.41	3.37	3.40	3.31	3.41

Change in Water Temperature from Ambient Water Temperature (Station 1) PSNH Schiller Station Thermal Study Sept 15- Nov 14 2011										
Sensor Depth		Station ID								
		2	3	4	5	6	7	8	9	10
Surface	Average Change (Deg C)	0.48	0.63	0.45	0.06	0.57	1.13	0.18	0.18	0.05
	Max Change (Deg C)	3.81	5.71	4.83	2.87	6.58	5.27	5.43	4.52	3.17
	Standard Deviation (Deg C)	0.73	0.94	0.61	0.35	1.45	0.97	0.66	0.55	0.34
Mid	Average Change (Deg C)	NA	0.28	0.18	-0.07	0.39	0.12	0.00	-0.03	-0.09
	Max Change (Deg C)	NA	5.81	2.91	2.10	6.58	3.83	3.33	1.58	1.29
	Standard Deviation (Deg C)	NA	0.56	0.33	0.25	1.43	0.43	0.30	0.27	0.27
Deep	Average Change (Deg C)	0.28	0.27	0.13	-0.04	0.33	-0.08	-0.08	-0.03	-0.09
	Max Change (Deg C)	3.24	4.47	2.04	2.00	6.48	3.24	2.09	1.81	1.05
	Standard Deviation (Deg C)	0.54	0.45	0.26	0.20	1.40	0.32	0.23	0.21	0.22

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Percent of Time Station Water Temperature above Ambient Temperatures (Station 1)										
PSNH Schiller Station Thermal Time Sept 15- Nov 14 2011										
Sensor Depth		Station ID								
		1	2	3	4	5	6	7	8	9
Surface	Percent of Time > 0 degree temp increase	79.06%	75.94%	86.38%	65.27%	65.21%	87.95%	61.82%	70.21%	70.65%
	Percent of Time > 1 degree temp increase	21.86%	30.69%	16.29%	1.82%	34.84%	55.83%	10.29%	7.38%	1.11%
	Percent of Time > 2 degree temp increase	3.90%	11.13%	2.82%	0.12%	10.63%	16.19%	2.14%	1.33%	0.16%
	Percent of Time > 3 degree temp increase	0.10%	1.16%	0.09%	0.00%	4.37%	2.93%	0.74%	0.33%	0.01%
	Percent of Time > 4 degree temp increase	0.00%	0.01%	0.00%	0.00%	2.46%	0.37%	0.13%	0.04%	0.00%
	Percent of Time > 5 degree temp increase	0.00%	0.00%	0.00%	0.00%	0.91%	0.02%	0.00%	0.00%	0.00%
	Percent of Time > 6 degree temp increase	0.00%	0.00%	0.00%	0.00%	0.13%	0.00%	0.00%	0.00%	0.00%
Mid	Percent of Time > 0 degree temp increase	NA	76.85%	82.50%	49.29%	61.59%	70.96%	67.34%	62.31%	53.15%
	Percent of Time > 1 degree temp increase	NA	11.13%	1.65%	0.02%	28.27%	2.56%	0.39%	0.02%	0.04%
	Percent of Time > 2 degree temp increase	NA	0.96%	0.01%	0.00%	7.61%	0.18%	0.08%	0.00%	0.00%
	Percent of Time > 3 degree temp increase	NA	0.01%	0.00%	0.00%	4.06%	0.04%	0.00%	0.00%	0.00%
	Percent of Time > 4 degree temp increase	NA	0.00%	0.00%	0.00%	2.02%	0.00%	0.00%	0.00%	0.00%
	Percent of Time > 5 degree temp increase	NA	0.00%	0.00%	0.00%	0.73%	0.00%	0.00%	0.00%	0.00%
	Percent of Time > 6 degree temp increase	NA	0.00%	0.00%	0.00%	0.08%	0.00%	0.00%	0.00%	0.00%
Deep	Percent of Time > 0 degree temp increase	77.54%	85.02%	79.78%	57.87%	59.96%	49.52%	54.22%	62.41%	52.17%
	Percent of Time > 1 degree temp increase	9.45%	6.78%	0.36%	0.02%	25.85%	0.60%	0.11%	0.01%	0.00%
	Percent of Time > 2 degree temp increase	1.02%	0.69%	0.00%	0.00%	6.78%	0.05%	0.00%	0.00%	0.00%
	Percent of Time > 3 degree temp increase	0.02%	0.02%	0.00%	0.00%	3.57%	0.00%	0.00%	0.00%	0.00%
	Percent of Time > 4 degree temp increase	0.00%	0.00%	0.00%	0.00%	1.91%	0.00%	0.00%	0.00%	0.00%
	Percent of Time > 5 degree temp increase	0.00%	0.00%	0.00%	0.00%	0.69%	0.00%	0.00%	0.00%	0.00%
	Percent of Time > 6 degree temp increase	0.00%	0.00%	0.00%	0.00%	0.07%	0.00%	0.00%	0.00%	0.00%

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Data collected in 5 minute intervals

Percentage based on a total of 26783 data points (number of data points collected at ambient station (station 1))