



US Army Corps
of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Turbidity Data
10-15-12 to 12-18-12
(periods of dredging)

All values in nephelometric turbidity units (NTU)

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/15/2012 16:45	5.90	5.20	8.70	7.50	0.00
10/15/2012 17:00	8.00	7.70	5.90	5.30	2.70
10/15/2012 17:15	7.20	8.50	6.10	5.50	3.00
10/15/2012 17:30	6.10	5.50	6.90	8.20	0.00
10/15/2012 17:45	7.80	8.40	6.00	5.50	2.90
10/15/2012 18:00	8.20	8.20	5.80	5.40	2.80
10/15/2012 18:15	6.00	5.50	7.20	11.90	0.00
10/15/2012 18:30	5.90	5.20	7.80	11.60	0.00
10/15/2012 18:45	10.00	12.70	5.90	5.40	7.30
10/15/2012 19:00	5.90	5.40	9.80	16.80	0.00
10/15/2012 19:15	8.60	16.40	5.80	5.60	10.80
10/15/2012 19:30	9.00	16.40	5.90	5.50	10.90
10/15/2012 19:45	5.90	5.50	8.60	18.00	0.00
10/15/2012 20:00	9.40	21.90	6.00	5.70	16.20
10/15/2012 20:15	6.00	5.70	10.00	223.80	0.00
10/15/2012 20:30	9.10	208.50	6.00	5.80	202.70
10/15/2012 20:45	6.00	5.90	9.10	130.00	0.00
10/15/2012 21:00	5.80	5.70	11.70	148.50	0.00
10/15/2012 21:15	11.70	84.30	5.80	5.40	78.90
10/15/2012 21:30	5.80	5.60	9.00	83.10	0.00
10/15/2012 21:45	9.00	80.30	5.70	5.50	74.80
10/15/2012 22:00	9.50	81.90	5.60	5.40	76.50
10/15/2012 22:15	5.70	5.40	9.90	93.40	0.00
10/15/2012 22:30	5.50	5.20	8.70	108.30	0.00
10/15/2012 22:45	9.00	108.30	5.60	5.10	103.20
10/15/2012 23:00	9.40	97.00	5.60	5.10	91.90
10/15/2012 23:15	5.90	5.30	7.80	96.90	0.00
10/15/2012 23:30	5.80	5.10	7.10	101.40	0.00
10/15/2012 23:45	9.00	98.40	5.80	5.10	93.30
10/16/2012 0:00	9.90	110.00	5.70	5.30	104.70
10/16/2012 0:15	7.80	109.50	5.70	5.20	104.30
10/16/2012 0:30	7.30	111.50	5.70	5.10	106.40
10/16/2012 0:45	5.60	5.40	8.70	148.30	0.00
10/16/2012 1:00	9.30	145.10	5.50	5.30	139.80
10/16/2012 1:15	5.50	5.00	7.60	149.90	0.00
10/16/2012 1:30	5.60	5.40	9.20	141.00	0.00
10/16/2012 1:45	8.30	134.60	5.40	5.00	129.60
10/16/2012 2:00	5.60	5.30	8.60	275.70	0.00
10/16/2012 2:15	7.90	160.50	5.50	5.20	155.30
10/16/2012 2:30	5.50	5.00	8.60	156.70	0.00
10/16/2012 2:45	8.70	129.90	5.50	4.80	125.10
10/16/2012 3:00	8.20	130.80	5.70	5.30	125.50
10/16/2012 3:15	9.10	130.90	5.30	4.90	126.00
10/16/2012 3:30	7.60	136.00	5.50	4.90	131.10
10/16/2012 3:45	7.80	144.10	5.40	4.90	139.20
10/16/2012 4:00	7.80	145.20	5.30	4.80	140.40
10/16/2012 4:15	5.40	5.10	8.00	159.10	0.00
10/16/2012 4:30	5.30	4.80	7.20	181.10	0.00
10/16/2012 4:45	7.40	163.10	5.30	4.90	158.20
10/16/2012 5:00	7.90	170.50	5.30	4.80	165.70
10/16/2012 5:15	7.20	162.70	5.30	4.80	157.90
10/16/2012 5:30	5.50	4.60	8.60	201.70	0.00
10/16/2012 5:45	8.30	184.50	5.40	4.60	179.90
10/16/2012 6:00	5.30	4.50	6.90	158.00	0.00
10/16/2012 6:15	7.20	203.80	5.40	4.70	199.10
10/16/2012 6:30	6.70	160.30	5.40	4.80	155.50
10/16/2012 6:45	5.30	4.90	7.10	169.80	0.00
10/16/2012 7:00	5.30	4.90	7.80	177.20	0.00
10/16/2012 7:15	7.40	171.80	5.30	4.90	166.90
10/16/2012 7:30	5.30	4.70	6.20	171.90	0.00
10/16/2012 7:45	6.60	178.30	5.20	4.70	173.60
10/16/2012 8:00	6.60	184.50	5.30	4.60	179.90
10/16/2012 8:15	6.60	189.60	6.40	5.80	183.80
10/16/2012 8:30	6.20	186.20	6.80	6.40	179.80
10/16/2012 8:45	7.50	7.10	6.90	194.40	0.60
10/16/2012 9:00	7.30	198.90	8.70	7.90	191.00
10/16/2012 9:15	6.50	5.90	6.20	215.90	0.30
10/16/2012 9:30	6.60	213.00	7.90	7.20	205.80
10/16/2012 9:45	7.00	215.30	3.80	2.70	212.60
10/16/2012 10:00	2.90	2.90	7.00	225.20	0.00
10/16/2012 10:15	7.60	54.80	7.10	10.30	47.70
10/16/2012 10:30	7.10	9.00	3.40	2.90	6.10
10/16/2012 10:45	7.50	9.10	4.00	2.90	6.20
10/16/2012 11:00	7.40	8.30	4.10	2.90	5.40
10/16/2012 11:15	4.20	2.70	7.40	7.60	0.00
10/16/2012 11:30	6.80	7.60	4.20	2.60	5.00
10/16/2012 11:45	6.90	9.20	4.30	2.50	6.70
10/16/2012 12:00	4.30	2.60	6.90	10.20	0.00
10/16/2012 12:15	6.90	8.40	4.40	2.50	5.90
10/16/2012 12:30	6.70	7.70	4.40	2.60	5.10
10/16/2012 12:45	6.50	6.60	4.30	2.50	4.10
10/16/2012 13:00	4.30	2.50	6.40	9.60	0.00
10/16/2012 13:15	4.30	2.40	6.40	9.10	0.00
10/16/2012 13:30	6.70	10.80	4.30	2.40	8.40
10/16/2012 13:45	6.30	8.10	4.30	2.40	5.70
10/16/2012 14:00	4.40	2.50	6.30	9.40	0.00
10/16/2012 14:15	7.30	7.50	6.60	5.30	2.20
10/16/2012 14:30	6.30	7.80	7.40	6.40	1.40
10/16/2012 14:45	7.40	6.40	6.40	7.20	1.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/16/2012 15:00	6.20	6.70	7.70	6.30	0.40
10/16/2012 15:15	6.40	7.00	7.30	6.20	0.80
10/16/2012 15:30	6.30	6.40	7.50	6.20	0.20
10/16/2012 15:45	6.20	5.90	7.40	6.80	0.00
10/16/2012 16:00	7.30	7.30	6.30	7.40	1.00
10/16/2012 16:15	6.50	6.10	7.20	6.60	0.00
10/16/2012 16:30	7.30	8.40	6.30	5.60	2.80
10/16/2012 16:45	7.50	7.00	6.20	6.50	1.30
10/16/2012 17:00	6.20	6.40	7.90	7.90	0.00
10/16/2012 17:15	7.60	7.10	6.10	6.00	1.60
10/16/2012 17:30	6.00	6.50	7.10	7.00	0.00
10/16/2012 17:45	6.20	7.40	7.20	7.10	0.30
10/16/2012 18:00	7.70	7.80	6.30	6.60	1.50
10/16/2012 18:15	6.50	6.10	7.10	6.50	0.00
10/16/2012 18:30	7.80	7.70	6.50	6.80	1.30
10/16/2012 18:45	7.40	6.70	6.50	7.10	0.90
10/16/2012 19:00	7.50	7.10	6.50	6.80	1.00
10/16/2012 19:15	6.40	6.10	7.80	6.60	0.00
10/16/2012 19:30	7.70	7.00	6.30	5.90	1.80
10/16/2012 19:45	7.60	7.10	6.20	5.80	1.80
10/16/2012 20:00	7.50	7.30	6.30	6.10	1.40
10/16/2012 20:15	6.10	6.70	7.60	7.10	0.00
10/16/2012 20:30	6.10	6.10	7.30	6.50	0.00
10/16/2012 20:45	7.90	7.20	6.20	6.20	1.70
10/16/2012 21:00	7.80	6.90	6.00	6.10	1.80
10/16/2012 21:15	7.30	6.80	6.00	5.80	1.50
10/16/2012 21:30	7.20	7.10	6.10	6.70	1.10
10/16/2012 21:45	7.00	6.50	5.90	7.20	1.10
10/16/2012 22:00	7.10	6.40	6.00	9.20	1.10
10/16/2012 22:15	7.10	6.50	5.90	5.80	1.30
10/16/2012 22:30	5.80	6.20	7.10	6.70	0.00
10/16/2012 22:45	7.60	7.10	5.80	6.80	1.80
10/16/2012 23:00	5.80	6.40	7.30	6.90	0.00
10/16/2012 23:15	5.80	5.60	7.40	7.20	0.00
10/16/2012 23:30	5.70	5.50	7.60	7.00	0.00
10/16/2012 23:45	5.80	5.60	7.30	6.60	0.00
10/17/2012 0:00	7.60	6.60	5.70	6.10	1.90
10/17/2012 0:15	7.20	6.40	5.70	6.10	1.50
10/17/2012 0:30	5.60	5.50	7.30	6.50	0.00
10/17/2012 0:45	5.60	5.30	7.60	7.40	0.00
10/17/2012 1:00	7.80	7.10	5.60	5.90	2.20
10/17/2012 1:15	7.30	7.00	5.50	5.00	2.30
10/17/2012 1:30	5.60	5.30	7.30	7.20	0.00
10/17/2012 1:45	5.50	5.40	7.30	7.10	0.00
10/17/2012 2:00	5.50	5.50	7.70	7.10	0.00
10/17/2012 2:15	5.60	5.30	7.40	6.90	0.00
10/17/2012 2:30	5.40	5.30	7.10	6.60	0.00
10/17/2012 2:45	5.40	5.10	7.10	7.00	0.00
10/17/2012 3:00	7.30	7.40	5.50	5.20	2.20
10/17/2012 3:15	5.50	5.40	7.40	7.00	0.00
10/17/2012 3:30	5.60	5.10	7.00	6.50	0.00
10/17/2012 3:45	5.40	5.00	7.20	7.00	0.00
10/17/2012 4:00	7.40	6.70	5.40	5.10	2.30
10/17/2012 4:15	7.60	6.60	5.50	5.10	2.50
10/17/2012 4:30	5.40	5.30	6.80	6.20	0.00
10/17/2012 4:45	5.40	4.90	7.30	7.00	0.00
10/17/2012 5:00	7.50	6.70	5.50	5.40	2.10
10/17/2012 5:15	6.70	5.90	5.40	6.00	1.30
10/17/2012 5:30	5.40	5.20	6.40	5.70	0.00
10/17/2012 5:45	5.40	5.00	7.20	7.10	0.00
10/17/2012 6:00	7.00	6.70	5.30	5.30	1.70
10/17/2012 6:15	7.00	6.40	5.40	6.80	1.60
10/17/2012 6:30	5.30	5.90	6.70	5.80	0.10
10/17/2012 6:45	7.40	6.20	5.40	6.10	2.00
10/17/2012 7:00	6.90	6.40	5.30	5.00	1.90
10/17/2012 7:15	5.50	6.40	7.00	6.20	0.20
10/17/2012 7:30	5.20	6.20	6.50	5.90	0.30
10/17/2012 7:45	5.20	5.90	7.00	6.00	0.00
10/17/2012 8:00	5.30	5.40	7.10	6.10	0.00
10/17/2012 8:15	6.90	6.10	5.40	7.40	1.50
10/17/2012 8:30	5.10	6.80	6.60	5.80	1.00
10/17/2012 8:45	5.10	6.50	6.90	6.00	0.50
10/17/2012 9:00	5.20	7.80	7.40	6.10	1.70
10/17/2012 9:15	6.50	6.00	5.30	7.40	1.20
10/17/2012 9:30	6.20	5.30	5.30	6.60	0.90
10/17/2012 9:45	5.40	6.10	6.40	6.20	0.00
10/17/2012 10:00	5.30	6.90	6.70	6.20	0.00
10/17/2012 10:15	6.90	6.00	5.40	7.30	1.50
10/17/2012 10:30	14.00	13.00	5.40	7.50	8.60
10/17/2012 10:45	5.30	4.90	10.60	9.20	0.00
10/17/2012 11:00	5.30	5.00	7.30	6.20	0.00
10/17/2012 11:15	8.20	6.10	5.30	6.40	2.90
10/17/2012 11:30	17.10	27.30	7.20	6.00	21.30
10/17/2012 11:45	7.80	7.90	7.10	6.00	1.90
10/17/2012 12:00	9.40	9.20	7.30	6.20	3.20
10/17/2012 12:15	7.30	6.00	10.50	11.80	0.00
10/17/2012 12:30	9.40	8.60	7.60	6.00	3.40
10/17/2012 12:45	7.10	6.10	8.80	8.30	0.00
10/17/2012 13:00	7.10	6.20	8.40	11.30	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/17/2012 13:15	6.70	7.90	7.90	6.10	1.80
10/17/2012 13:30	7.90	5.80	6.50	8.30	1.40
10/17/2012 13:45	7.20	6.20	7.50	8.40	0.00
10/17/2012 14:00	10.10	12.50	6.80	6.20	6.30
10/17/2012 14:15	7.40	6.20	7.80	13.50	0.00
10/17/2012 14:30	7.00	6.30	11.40	17.50	0.00
10/17/2012 14:45	6.70	6.20	10.40	14.80	0.00
10/17/2012 15:00	6.60	6.50	9.60	11.70	0.00
10/17/2012 15:15	11.20	11.70	6.50	6.20	5.50
10/17/2012 15:30	12.90	14.00	7.10	6.00	8.00
10/17/2012 15:45	15.40	14.80	6.90	6.20	9.20
10/17/2012 16:00	7.00	6.40	13.40	14.90	0.00
10/17/2012 16:15	9.00	7.30	8.90	14.50	0.10
10/17/2012 16:30	9.40	13.00	8.90	6.90	6.10
10/17/2012 16:45	8.40	5.70	10.10	12.90	0.00
10/17/2012 17:00	10.90	12.30	7.70	7.00	5.30
10/17/2012 17:15	7.50	6.80	10.40	13.00	0.00
10/17/2012 17:30	8.50	7.20	10.40	12.00	0.00
10/17/2012 17:45	9.60	7.10	9.60	11.30	0.00
10/17/2012 18:00	9.70	7.00	9.90	11.30	0.00
10/17/2012 18:15	7.60	6.60	9.00	11.10	0.00
10/17/2012 18:30	9.00	10.90	7.20	6.40	4.50
10/17/2012 18:45	7.60	6.50	9.80	10.70	0.00
10/17/2012 19:00	8.50	6.70	9.80	10.70	0.00
10/17/2012 19:15	8.00	6.70	8.30	11.20	0.00
10/17/2012 19:30	7.90	6.70	9.50	10.70	0.00
10/17/2012 19:45	9.40	10.60	8.40	6.80	0.00
10/17/2012 20:00	7.90	7.10	9.30	10.30	0.00
10/17/2012 20:15	7.90	6.60	9.30	10.80	0.00
10/17/2012 20:30	8.20	6.90	9.40	10.30	0.00
10/17/2012 20:45	7.80	6.70	9.20	9.30	0.00
10/17/2012 21:00	7.90	7.10	8.80	9.70	0.00
10/17/2012 21:15	8.10	7.30	8.70	8.80	0.00
10/17/2012 21:30	8.70	9.10	8.00	7.50	1.60
10/17/2012 21:45	8.10	8.00	7.70	7.40	0.70
10/17/2012 22:00	7.90	8.60	8.10	7.90	0.70
10/17/2012 22:15	8.60	9.30	8.20	9.00	1.10
10/17/2012 22:30	8.10	8.00	8.20	7.40	0.70
10/17/2012 22:45	8.40	7.50	8.20	9.80	0.20
10/17/2012 23:00	8.00	7.50	8.20	9.30	0.00
10/17/2012 23:15	8.40	7.40	8.00	8.70	0.40
10/17/2012 23:30	7.80	6.80	7.70	10.40	0.10
10/17/2012 23:45	7.80	10.30	8.10	7.40	2.90
10/18/2012 0:00	7.70	8.70	8.40	7.40	1.30
10/18/2012 0:15	7.60	8.80	8.30	7.50	1.30
10/18/2012 0:30	8.00	7.20	7.60	7.30	0.70
10/18/2012 0:45	7.90	7.60	8.30	7.30	0.60
10/18/2012 1:00	7.60	7.00	7.80	7.40	0.20
10/18/2012 1:15	8.20	7.40	7.60	7.10	1.10
10/18/2012 1:30	7.90	7.70	12.80	13.10	0.00
10/18/2012 1:45	8.10	8.10	11.30	13.00	0.00
10/18/2012 2:00	8.30	8.40	7.80	7.40	1.00
10/18/2012 2:15	8.90	8.10	7.80	7.70	1.20
10/18/2012 2:30	9.20	9.00	7.70	7.50	1.70
10/18/2012 2:45	8.00	7.80	17.20	15.50	0.00
10/18/2012 3:00	7.60	7.40	12.60	11.30	0.00
10/18/2012 3:15	7.30	7.90	10.90	9.50	0.00
10/18/2012 3:30	10.30	9.20	7.40	7.30	3.00
10/18/2012 3:45	10.30	9.20	7.80	7.60	2.70
10/18/2012 4:00	7.80	8.30	9.70	8.90	0.00
10/18/2012 4:15	7.70	7.60	9.70	8.40	0.00
10/18/2012 4:30	9.00	8.00	7.60	7.50	1.50
10/18/2012 4:45	7.60	7.30	8.60	7.40	0.20
10/18/2012 5:00	7.60	7.60	8.70	7.70	0.00
10/18/2012 5:15	8.50	7.70	7.30	6.80	1.70
10/18/2012 5:30	7.20	7.00	8.40	7.60	0.00
10/18/2012 5:45	7.20	7.30	8.70	7.20	0.10
10/18/2012 6:00	7.10	6.50	8.10	7.80	0.00
10/18/2012 6:15	8.30	7.70	7.00	6.60	1.70
10/18/2012 6:30	8.00	7.00	6.90	6.60	1.40
10/18/2012 6:45	7.70	6.60	7.10	6.90	0.80
10/18/2012 7:00	7.00	7.00	7.80	6.60	0.40
10/18/2012 7:15	6.70	6.80	8.20	7.30	0.00
10/18/2012 7:30	6.90	7.20	8.20	7.00	0.20
10/18/2012 7:45	6.70	7.30	7.90	6.60	0.70
10/18/2012 8:00	7.90	6.90	6.80	7.00	1.10
10/18/2012 8:15	7.50	6.70	7.00	7.10	0.50
10/18/2012 8:30	7.50	6.40	7.20	7.50	0.30
10/18/2012 8:45	7.60	7.10	7.30	6.30	1.30
10/18/2012 9:00	7.10	7.10	7.20	6.40	0.70
10/18/2012 9:15	7.30	6.80	7.10	7.80	0.20
10/18/2012 9:30	7.20	6.70	7.60	7.40	0.00
10/18/2012 9:45	7.10	6.20	8.10	7.30	0.00
10/18/2012 10:00	7.00	6.20	7.70	7.50	0.00
10/18/2012 10:15	7.40	8.00	6.90	6.20	1.80
10/18/2012 10:30	7.10	6.80	7.30	7.50	0.00
10/18/2012 10:45	7.10	6.80	6.80	5.90	1.20
10/18/2012 11:00	7.10	6.30	6.90	6.60	0.50
10/18/2012 11:15	6.90	8.40	6.90	6.10	2.30



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Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Turbidity Data
10-15-12 to 12-18-12
(periods of dredging)

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/18/2012 11:30	6.90	6.00	6.80	8.50	0.10
10/18/2012 11:45	6.90	7.60	6.70	6.00	1.60
10/18/2012 12:00	6.70	7.50	6.90	6.30	1.20
10/18/2012 12:15	7.20	6.00	6.80	7.90	0.40
10/18/2012 12:30	6.90	5.80	6.70	6.80	0.20
10/18/2012 12:45	6.80	6.50	6.90	5.80	0.00
10/18/2012 13:00	6.80	6.40	7.20	5.80	1.00
10/18/2012 13:15	7.00	6.70	7.40	5.90	0.00
10/18/2012 13:30	7.20	7.30	7.00	5.90	1.40
10/18/2012 13:45	6.80	6.00	7.20	6.60	0.20
10/18/2012 14:00	7.10	6.60	7.20	5.90	1.20
10/18/2012 14:15	6.90	6.10	7.10	6.60	0.30
10/18/2012 14:30	6.90	7.00	6.90	6.10	0.90
10/18/2012 14:45	6.90	6.80	6.90	5.80	1.10
10/18/2012 15:00	7.00	5.80	6.90	8.60	0.10
10/18/2012 15:15	6.80	6.20	6.90	7.00	0.00
10/18/2012 15:30	6.90	5.70	6.90	6.70	0.20
10/18/2012 15:45	7.10	7.10	7.00	5.90	1.20
10/18/2012 16:00	7.00	7.60	6.90	6.10	1.50
10/18/2012 16:15	6.90	6.70	7.80	7.20	0.00
10/18/2012 16:30	8.00	6.80	6.70	7.20	1.30
10/18/2012 16:45	6.90	6.50	8.00	6.80	0.10
10/18/2012 17:00	7.70	6.80	6.90	6.60	1.10
10/18/2012 17:15	6.70	6.70	8.00	7.80	0.00
10/18/2012 17:30	8.40	7.90	6.90	6.80	1.60
10/18/2012 17:45	8.40	8.60	7.20	8.00	1.40
10/18/2012 18:00	7.20	7.20	9.20	9.20	0.00
10/18/2012 18:15	7.20	7.00	8.90	8.80	0.00
10/18/2012 18:30	8.60	8.10	7.00	7.10	1.60
10/18/2012 18:45	8.30	7.50	7.30	7.30	1.00
10/18/2012 19:00	7.50	7.30	8.40	7.20	0.30
10/18/2012 19:15	8.00	9.10	7.40	7.10	2.00
10/18/2012 19:30	7.30	7.80	8.10	7.80	0.00
10/18/2012 19:45	7.90	7.10	7.30	7.10	0.80
10/18/2012 20:00	7.40	7.00	8.30	7.30	0.00
10/18/2012 20:15	7.50	7.00	7.20	6.90	0.60
10/18/2012 20:30	7.30	7.30	8.00	7.20	0.10
10/18/2012 20:45	8.40	7.10	7.30	6.70	1.70
10/18/2012 21:00	8.10	6.90	7.20	7.20	0.90
10/18/2012 21:15	7.80	6.80	7.30	8.10	0.50
10/18/2012 21:30	7.60	7.00	7.30	7.90	0.30
10/18/2012 21:45	7.60	7.50	7.20	7.60	0.40
10/18/2012 22:00	7.40	7.30	7.00	7.20	0.40
10/18/2012 22:15	7.10	6.90	7.00	6.60	0.50
10/18/2012 22:30	7.00	7.00	7.60	7.00	0.00
10/18/2012 22:45	6.90	7.30	8.40	7.90	0.00
10/18/2012 23:00	8.00	7.90	6.90	6.80	1.20
10/18/2012 23:15	7.90	7.50	6.80	6.60	1.30
10/18/2012 23:30	7.80	7.40	6.80	6.80	1.00
10/18/2012 23:45	7.20	6.90	6.70	7.10	0.50
10/19/2012 0:00	6.70	7.10	7.60	7.00	0.10
10/19/2012 0:15	6.70	6.50	7.90	6.90	0.00
10/19/2012 0:30	7.30	7.60	6.50	6.40	1.20
10/19/2012 0:45	7.40	6.80	6.60	6.70	0.80
10/19/2012 1:00	6.80	6.80	7.60	6.70	0.10
10/19/2012 1:15	7.00	7.10	7.70	7.10	0.00
10/19/2012 1:30	7.90	6.80	6.70	6.50	1.40
10/19/2012 1:45	7.30	7.00	6.60	6.40	0.90
10/19/2012 2:00	7.40	7.30	6.70	6.60	0.80
10/19/2012 2:15	6.50	6.60	7.50	7.40	0.00
10/19/2012 2:30	6.50	6.60	7.60	7.20	0.00
10/19/2012 2:45	6.60	6.60	7.70	7.00	0.00
10/19/2012 3:00	8.10	7.30	6.40	6.60	1.70
10/19/2012 3:15	7.80	7.20	6.40	6.10	1.70
10/19/2012 3:30	7.50	6.70	6.40	6.40	1.10
10/19/2012 3:45	6.50	6.40	7.30	6.80	0.00
10/19/2012 4:00	6.60	6.30	7.20	7.10	0.00
10/19/2012 4:15	7.60	6.80	6.30	6.10	1.50
10/19/2012 4:30	6.90	6.30	6.20	6.60	0.70
10/19/2012 4:45	6.30	6.60	7.20	6.50	0.10
10/19/2012 5:00	6.80	6.30	7.20	7.20	0.00
10/19/2012 5:15	6.30	5.90	7.60	6.40	0.00
10/19/2012 5:30	7.90	6.80	6.20	6.10	1.80
10/19/2012 5:45	7.20	6.80	6.50	6.10	1.10
10/19/2012 6:00	7.70	6.90	6.60	5.90	1.80
10/19/2012 6:15	7.60	6.40	6.30	5.70	1.90
10/19/2012 6:30	7.10	6.50	6.50	6.20	0.90
10/19/2012 6:45	6.40	6.30	7.40	7.10	0.00
10/19/2012 7:00	7.30	6.60	6.20	5.80	1.50
10/19/2012 7:15	7.60	6.50	6.40	6.00	1.60
10/19/2012 7:30	7.10	6.40	6.50	6.10	1.00
10/19/2012 7:45	6.40	6.10	7.10	6.80	0.00
10/19/2012 8:00	6.30	6.50	7.10	6.60	0.00
10/19/2012 8:15	7.50	6.30	6.20	7.00	1.30
10/19/2012 8:30	7.40	6.30	6.40	5.70	1.70
10/19/2012 8:45	6.50	6.00	7.10	6.40	0.10
10/19/2012 9:00	6.50	6.50	7.00	6.30	0.20
10/19/2012 9:15	7.30	6.20	6.60	6.50	0.80
10/19/2012 9:30	10.20	6.40	6.70	6.20	4.00



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Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Turbidity Data
10-15-12 to 12-18-12
(periods of dredging)

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/19/2012 9:45	6.70	6.00	10.00	6.00	0.00
10/19/2012 10:00	9.30	8.80	6.70	6.70	0.00
10/19/2012 10:15	8.90	9.50	7.30	6.60	2.90
10/19/2012 10:30	7.50	6.30	8.30	8.40	0.00
10/19/2012 10:45	7.70	6.10	8.70	9.70	0.00
10/19/2012 11:00	7.50	6.30	9.90	9.50	0.00
10/19/2012 11:15	7.40	6.40	7.50	7.90	0.00
10/19/2012 11:30	9.60	6.30	7.90	8.00	1.70
10/19/2012 11:45	9.00	9.50	9.20	6.80	2.70
10/19/2012 12:00	8.00	8.60	7.90	5.70	2.90
10/19/2012 12:15	7.50	6.60	8.80	8.80	0.00
10/19/2012 12:30	8.30	6.40	12.60	12.60	0.00
10/19/2012 12:45	18.00	9.60	11.00	10.20	7.80
10/19/2012 13:00	11.90	8.70	9.10	9.00	2.90
10/19/2012 13:15	7.70	6.70	8.00	7.90	0.00
10/19/2012 13:30	8.10	7.00	8.50	8.00	0.10
10/19/2012 13:45	7.50	9.20	13.80	7.50	1.70
10/19/2012 14:00	8.70	9.90	13.70	7.80	2.10
10/19/2012 14:15	11.30	6.90	8.50	9.20	2.80
10/19/2012 14:30	7.30	8.50	9.00	6.80	1.70
10/19/2012 14:45	8.00	8.90	10.60	6.50	2.40
10/19/2012 15:00	7.30	8.90	11.40	7.50	1.40
10/19/2012 15:15	11.00	7.90	6.70	8.60	4.30
10/19/2012 15:30	10.60	7.00	7.30	8.50	3.30
10/19/2012 15:45	7.60	6.80	7.20	7.60	0.40
10/19/2012 16:00	9.70	5.90	7.30	8.00	2.40
10/19/2012 16:15	7.40	8.40	9.70	6.00	2.40
10/19/2012 16:30	10.00	6.00	6.90	7.40	3.10
10/19/2012 16:45	10.20	6.10	7.40	7.10	3.10
10/19/2012 17:00	10.40	6.80	7.50	8.80	2.90
10/19/2012 17:15	7.00	8.60	9.20	6.90	0.00
10/19/2012 17:30	8.00	7.50	7.70	9.70	0.30
10/19/2012 17:45	6.50	8.90	10.50	7.80	0.00
10/19/2012 18:00	9.50	7.10	6.30	9.10	3.20
10/19/2012 18:15	9.00	6.70	6.60	7.80	2.40
10/19/2012 18:30	8.30	6.50	7.90	8.80	0.40
10/19/2012 18:45	7.60	8.40	9.10	7.00	1.40
10/19/2012 19:00	6.50	7.90	8.30	6.80	0.00
10/19/2012 19:15	8.20	6.50	7.00	8.50	1.20
10/19/2012 19:30	8.80	6.40	7.20	8.50	1.60
10/19/2012 19:45	6.80	7.20	8.10	6.50	0.70
10/19/2012 20:00	7.30	7.60	8.10	7.20	0.40
10/19/2012 20:15	8.40	6.10	6.80	8.90	1.60
10/19/2012 20:30	8.20	6.30	7.10	7.10	1.10
10/19/2012 20:45	7.30	7.70	8.80	6.30	1.40
10/19/2012 21:00	8.40	6.90	7.40	8.20	1.00
10/19/2012 21:15	8.00	6.60	7.40	7.60	0.60
10/19/2012 21:30	7.10	7.50	8.20	6.80	0.70
10/19/2012 21:45	8.30	6.10	7.00	7.90	1.30
10/19/2012 22:00	8.10	6.60	7.40	7.70	0.70
10/19/2012 22:15	7.20	7.60	8.10	6.30	1.30
10/19/2012 22:30	8.20	6.00	6.90	7.10	1.30
10/19/2012 22:45	7.50	6.10	6.80	7.40	0.70
10/19/2012 23:00	7.90	6.00	7.20	7.60	0.70
10/19/2012 23:15	7.50	6.00	7.00	7.60	0.50
10/19/2012 23:30	7.20	6.00	7.20	6.60	0.60
10/19/2012 23:45	7.60	6.50	7.50	6.60	1.00
10/20/2012 0:00	7.40	6.60	7.50	6.90	0.50
10/20/2012 0:15	7.50	6.10	7.10	7.10	0.40
10/20/2012 0:30	7.30	6.40	7.50	6.70	0.60
10/20/2012 0:45	7.20	6.20	7.60	6.70	0.50
10/20/2012 1:00	7.70	6.40	6.90	6.30	1.40
10/20/2012 1:15	7.30	5.80	7.50	6.70	0.60
10/20/2012 1:30	7.30	6.30	7.30	6.70	0.60
10/20/2012 1:45	7.50	6.90	8.00	6.90	0.60
10/20/2012 2:00	7.50	7.20	8.10	7.30	0.00
10/20/2012 2:15	7.30	6.90	7.40	7.40	0.00
10/20/2012 2:30	7.30	6.50	7.20	5.90	1.40
10/20/2012 2:45	7.30	6.30	7.30	6.10	1.20
10/20/2012 3:00	7.60	6.60	7.20	6.40	1.20
10/20/2012 3:15	7.80	6.10	6.90	6.90	0.90
10/20/2012 3:30	7.20	6.60	7.60	6.70	0.50
10/20/2012 3:45	7.00	6.80	7.50	6.10	0.90
10/20/2012 4:00	7.10	6.40	7.70	6.10	1.00
10/20/2012 4:15	7.10	6.50	7.40	5.80	1.30
10/20/2012 4:30	7.80	6.10	7.20	6.00	1.80
10/20/2012 4:45	7.30	6.40	7.50	5.60	1.70
10/20/2012 5:00	6.60	5.80	7.10	6.40	0.00
10/20/2012 5:15	7.10	6.10	6.50	5.40	1.70
10/20/2012 5:30	7.10	6.10	6.50	5.90	1.20
10/20/2012 5:45	6.40	6.00	7.10	6.30	0.10
10/20/2012 6:00	7.10	5.90	6.10	5.60	1.50
10/20/2012 6:15	6.90	5.90	6.20	5.80	1.10
10/20/2012 6:30	7.00	5.90	6.10	5.90	1.10
10/20/2012 6:45	6.40	5.80	7.00	5.70	0.70
10/20/2012 7:00	6.70	5.90	6.30	6.10	0.60
10/20/2012 7:15	6.60	6.00	6.20	5.50	1.10
10/20/2012 7:30	6.90	5.90	6.00	5.50	1.40
10/20/2012 7:45	6.60	5.90	6.10	6.90	0.50



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Confined Disposal Facility
Real-Time Turbidity Data
10-15-12 to 12-18-12
(periods of dredging)

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/20/2012 8:00	6.70	5.80	6.00	5.80	0.90
10/20/2012 8:15	6.80	5.70	6.30	6.20	0.60
10/20/2012 8:30	6.60	6.10	5.90	6.10	0.70
10/20/2012 8:45	5.70	5.90	6.70	5.60	0.30
10/20/2012 9:00	6.60	5.70	6.00	6.40	0.60
10/20/2012 9:15	6.90	5.70	6.30	6.30	0.60
10/20/2012 9:30	7.10	5.60	5.90	6.70	1.20
10/20/2012 9:45	5.90	6.40	7.40	5.40	1.00
10/20/2012 10:00	6.90	5.70	6.00	6.20	0.90
10/20/2012 10:15	6.30	6.20	7.10	5.50	0.80
10/20/2012 10:30	6.20	7.70	7.00	5.60	2.10
10/20/2012 10:45	7.20	5.20	6.10	7.50	1.10
10/20/2012 11:00	6.50	6.80	7.00	5.60	1.20
10/20/2012 11:15	7.00	5.40	6.40	6.10	0.90
10/20/2012 11:30	7.30	5.40	6.20	6.10	1.20
10/20/2012 11:45	6.10	6.50	7.00	5.40	1.10
10/20/2012 12:00	6.10	6.70	6.40	5.30	1.40
10/20/2012 12:15	6.50	5.40	6.10	6.90	0.40
10/20/2012 12:30	6.70	5.50	6.10	6.40	0.60
10/20/2012 12:45	6.70	5.20	6.10	6.30	0.60
10/20/2012 13:00	6.00	6.70	6.50	5.40	1.30
10/20/2012 13:15	6.50	5.10	6.00	6.50	0.50
10/20/2012 13:30	6.60	5.30	6.10	6.40	0.50
10/20/2012 13:45	6.60	5.30	6.00	6.60	0.60
10/20/2012 14:00	7.00	5.00	6.00	6.80	1.00
10/20/2012 14:15	5.90	6.20	6.80	5.20	1.00
10/20/2012 14:30	7.20	5.10	5.80	6.30	1.40
10/20/2012 14:45	6.00	6.30	7.00	5.60	0.70
10/20/2012 15:00	7.00	5.20	5.90	6.50	1.10
10/20/2012 15:15	6.70	4.90	5.90	6.30	0.80
10/20/2012 15:30	6.60	5.20	6.00	6.00	0.60
10/20/2012 15:45	5.60	5.60	6.60	5.00	0.60
10/20/2012 16:00	5.80	6.00	6.70	5.20	0.00
10/20/2012 16:15	6.70	5.10	5.70	6.00	1.00
10/20/2012 16:30	6.40	5.20	5.80	6.40	0.60
10/20/2012 16:45	5.80	6.50	6.60	5.10	1.40
10/20/2012 17:00	5.70	6.20	6.40	5.20	1.00
10/20/2012 17:15	6.50	5.30	5.70	6.10	0.80
10/20/2012 17:30	5.80	5.90	6.40	5.30	0.60
10/20/2012 17:45	6.70	5.50	5.80	6.00	0.90
10/20/2012 18:00	6.70	5.50	5.60	5.80	1.10
10/20/2012 18:15	6.60	5.50	5.70	6.10	0.90
10/20/2012 18:30	6.50	5.80	5.60	5.80	0.90
10/20/2012 18:45	5.80	5.80	7.20	5.90	0.00
10/20/2012 19:00	5.60	5.80	7.10	6.20	0.00
10/20/2012 19:15	6.90	6.00	5.50	5.90	1.40
10/20/2012 19:30	7.20	6.50	5.60	5.90	1.60
10/20/2012 19:45	8.00	6.90	5.60	5.50	2.50
10/20/2012 20:00	5.40	5.40	6.80	6.30	0.00
10/20/2012 20:15	5.50	5.60	6.90	6.30	0.00
10/20/2012 20:30	7.10	6.80	5.60	5.30	1.80
10/20/2012 20:45	7.10	7.00	5.50	5.60	1.60
10/20/2012 21:00	5.50	5.20	7.20	6.20	0.00
10/20/2012 21:15	6.90	6.50	5.50	5.10	1.80
10/20/2012 21:30	6.80	6.90	5.40	5.50	1.50
10/20/2012 21:45	7.20	6.40	5.30	5.40	1.90
10/20/2012 22:00	6.80	6.70	5.30	5.00	1.80
10/20/2012 22:15	6.70	6.60	5.30	5.50	1.40
10/20/2012 22:30	7.20	6.50	5.50	5.40	1.80
10/20/2012 22:45	5.50	5.80	6.90	6.30	0.00
10/20/2012 23:00	7.10	7.60	5.20	5.80	2.40
10/20/2012 23:15	5.20	5.50	7.00	7.30	0.00
10/20/2012 23:30	5.30	5.30	6.80	6.50	0.00
10/20/2012 23:45	7.10	7.20	5.50	5.60	1.70
10/21/2012 0:00	6.90	7.00	5.50	5.60	1.50
10/21/2012 0:15	7.00	7.30	5.30	5.00	2.30
10/21/2012 0:30	6.70	7.80	5.50	5.20	2.60
10/21/2012 0:45	6.70	6.60	5.30	5.60	1.40
10/21/2012 1:00	5.20	5.20	7.90	6.30	0.00
10/21/2012 1:15	7.50	7.50	5.30	5.20	2.30
10/21/2012 1:30	7.20	7.70	5.30	5.20	2.50
10/21/2012 1:45	5.40	5.10	6.70	7.30	0.00
10/21/2012 2:00	7.50	7.80	5.30	5.30	2.50
10/21/2012 2:15	7.10	6.80	5.30	5.30	1.80
10/21/2012 2:30	7.10	6.60	5.30	5.40	1.80
10/21/2012 2:45	5.30	5.40	6.90	7.30	0.00
10/21/2012 3:00	7.00	7.20	5.40	4.90	2.30
10/21/2012 3:15	6.90	7.00	5.30	5.00	2.00
10/21/2012 3:30	6.70	6.10	5.30	5.30	1.40
10/21/2012 3:45	5.20	5.50	6.80	6.70	0.00
10/21/2012 4:00	7.10	6.90	5.40	5.20	1.90
10/21/2012 4:15	7.40	7.00	5.40	5.20	2.20
10/21/2012 4:30	7.40	7.10	5.30	5.00	2.40
10/21/2012 4:45	7.00	6.90	5.40	5.60	1.60
10/21/2012 5:00	5.40	5.30	7.00	7.00	0.00
10/21/2012 5:15	5.40	5.30	7.20	6.60	0.00
10/21/2012 5:30	7.40	7.40	5.40	5.10	2.30
10/21/2012 5:45	7.40	7.40	5.30	4.90	2.50
10/21/2012 6:00	7.30	6.90	5.20	5.10	2.20



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Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Turbidity Data
10-15-12 to 12-18-12
(periods of dredging)

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/21/2012 6:15	5.20	5.10	6.90	6.50	0.00
10/21/2012 6:30	5.20	5.30	7.30	7.10	0.00
10/21/2012 6:45	7.00	6.90	5.30	5.40	1.70
10/21/2012 7:00	7.10	7.40	5.20	5.20	2.20
10/21/2012 7:15	5.10	5.00	6.90	6.40	0.00
10/21/2012 7:30	7.70	6.50	5.20	5.10	2.60
10/21/2012 7:45	7.10	6.70	5.10	5.30	2.00
10/21/2012 8:00	6.70	6.60	5.10	5.00	1.70
10/21/2012 8:15	5.30	5.90	6.90	6.40	0.00
10/21/2012 8:30	6.80	6.40	5.10	6.10	1.70
10/21/2012 8:45	7.10	7.00	5.00	5.20	2.10
10/21/2012 9:00	6.70	6.40	5.00	5.40	1.70
10/21/2012 9:15	5.20	5.70	6.90	6.70	0.00
10/21/2012 9:30	5.30	5.00	7.10	6.20	0.00
10/21/2012 9:45	7.30	6.50	5.30	6.30	2.00
10/21/2012 10:00	7.00	6.40	5.30	10.40	1.70
10/21/2012 10:15	7.00	6.40	5.40	6.00	1.60
10/21/2012 10:30	5.20	5.40	6.40	6.30	0.00
10/21/2012 10:45	5.30	6.30	7.30	6.40	0.00
10/21/2012 11:00	7.00	6.10	5.30	7.40	1.70
10/21/2012 11:15	7.10	6.40	5.30	7.30	1.80
10/21/2012 11:30	7.30	6.40	5.50	6.20	1.80
10/21/2012 11:45	5.50	6.20	7.20	6.40	0.00
10/21/2012 12:00	7.10	6.90	5.40	5.90	1.70
10/21/2012 12:15	7.20	6.40	5.30	7.80	1.90
10/21/2012 12:30	5.50	7.20	7.10	6.30	0.90
10/21/2012 12:45	7.70	6.80	5.30	7.50	2.40
10/21/2012 13:00	7.30	6.40	5.40	6.30	1.90
10/21/2012 13:15	5.60	5.70	7.10	6.30	0.00
10/21/2012 13:30	5.40	6.40	7.10	6.20	0.20
10/21/2012 13:45	7.20	6.40	5.40	6.40	1.80
10/21/2012 14:00	7.40	6.50	5.40	6.30	2.00
10/21/2012 14:15	7.20	6.20	5.40	6.40	1.80
10/21/2012 14:30	7.40	6.30	5.30	5.90	2.10
10/21/2012 14:45	5.40	6.30	7.20	6.10	0.20
10/21/2012 15:00	5.40	5.40	7.00	6.20	0.00
10/21/2012 15:15	7.40	6.30	5.40	6.60	2.00
10/21/2012 15:30	7.20	6.50	5.30	5.90	1.90
10/21/2012 15:45	7.20	6.20	5.20	6.50	2.00
10/21/2012 16:00	5.40	6.40	7.40	6.20	0.20
10/21/2012 16:15	5.20	6.10	7.20	6.20	0.00
10/21/2012 16:30	7.30	6.30	5.20	7.50	2.10
10/21/2012 16:45	6.90	6.20	5.20	8.30	1.70
10/21/2012 17:00	6.80	6.20	5.40	8.30	1.40
10/21/2012 17:15	6.80	6.20	5.20	7.00	1.60
10/21/2012 17:30	7.70	6.20	5.20	6.10	2.50
10/21/2012 17:45	7.10	6.20	5.30	5.70	1.80
10/21/2012 18:00	5.20	8.90	7.00	6.20	2.70
10/21/2012 18:15	5.40	6.70	7.30	6.70	0.00
10/21/2012 18:30	5.20	6.10	7.10	6.90	0.00
10/21/2012 18:45	7.30	7.10	5.20	6.80	2.10
10/21/2012 19:00	7.20	6.50	5.30	6.80	1.90
10/21/2012 19:15	5.50	6.60	9.20	8.10	0.00
10/21/2012 19:30	5.80	6.40	9.50	7.80	0.00
10/21/2012 19:45	5.60	5.20	8.80	7.70	0.00
10/21/2012 20:00	5.20	5.60	8.00	6.70	0.00
10/21/2012 20:15	7.50	6.60	5.50	6.30	2.00
10/21/2012 20:30	7.60	6.80	5.60	5.90	2.00
10/21/2012 20:45	5.90	6.20	7.50	6.40	0.00
10/21/2012 21:00	7.40	7.00	5.70	5.30	2.10
10/21/2012 21:15	8.00	6.80	5.60	5.50	2.50
10/21/2012 21:30	5.70	5.60	7.90	6.70	0.00
10/21/2012 21:45	7.30	7.10	5.60	5.70	1.70
10/21/2012 22:00	7.50	6.60	5.40	5.80	2.10
10/21/2012 22:15	7.40	7.00	5.90	5.30	2.10
10/21/2012 22:30	7.20	6.60	5.70	5.40	1.80
10/21/2012 22:45	5.60	5.40	7.40	6.90	0.00
10/21/2012 23:00	7.50	6.40	5.70	5.50	2.00
10/21/2012 23:15	7.30	6.40	5.60	5.40	1.90
10/21/2012 23:30	7.20	6.50	5.50	5.20	2.00
10/21/2012 23:45	7.00	6.50	5.60	5.50	1.50
10/22/2012 0:00	5.90	5.30	6.70	5.70	0.20
10/22/2012 0:15	5.40	5.20	7.40	6.60	0.00
10/22/2012 0:30	7.30	6.60	5.40	5.10	2.20
10/22/2012 0:45	5.70	5.00	6.90	6.60	0.00
10/22/2012 1:00	5.80	5.10	7.90	6.70	0.00
10/22/2012 1:15	7.30	6.80	5.60	5.30	2.00
10/22/2012 1:30	7.60	6.50	5.50	5.30	2.30
10/22/2012 1:45	6.90	6.50	5.40	5.10	1.80
10/22/2012 2:00	5.50	4.90	7.50	6.60	0.00
10/22/2012 2:15	7.60	6.90	5.30	5.20	2.40
10/22/2012 2:30	7.30	6.80	5.60	5.10	2.20
10/22/2012 2:45	7.00	6.60	5.80	5.00	2.00
10/22/2012 3:00	7.40	6.60	5.80	4.80	2.60
10/22/2012 3:15	7.10	6.60	5.60	4.80	2.30
10/22/2012 3:30	7.00	7.00	5.50	4.70	2.30
10/22/2012 3:45	5.60	4.80	7.10	6.70	0.00
10/22/2012 4:00	7.10	6.50	5.50	4.80	2.30
10/22/2012 4:15	7.00	6.90	5.50	5.00	2.00



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Real-Time Turbidity Data
10-15-12 to 12-18-12
(periods of dredging)

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/22/2012 4:30	6.90	6.70	5.40	5.20	1.70
10/22/2012 4:45	7.40	6.60	5.50	4.80	2.60
10/22/2012 5:00	6.80	6.20	5.60	5.10	1.70
10/22/2012 5:15	5.40	4.80	6.70	6.30	0.00
10/22/2012 5:30	6.80	6.10	5.40	4.80	2.00
10/22/2012 5:45	5.40	4.80	7.20	6.90	0.00
10/22/2012 6:00	7.20	6.40	5.30	5.00	2.20
10/22/2012 6:15	7.50	6.30	5.40	5.30	2.20
10/22/2012 6:30	6.80	6.40	5.20	4.90	1.90
10/22/2012 6:45	7.20	6.60	5.20	4.90	2.30
10/22/2012 7:00	7.10	6.50	5.40	5.30	1.80
10/22/2012 7:15	6.80	6.00	5.30	5.40	1.50
10/22/2012 7:30	5.20	5.00	6.90	5.90	0.00
10/22/2012 7:45	5.20	4.90	7.00	5.90	0.00
10/22/2012 8:00	5.20	5.20	7.40	6.10	0.00
10/22/2012 8:15	7.30	6.20	5.10	5.10	2.20
10/22/2012 8:30	6.70	5.90	5.60	5.80	1.10
10/22/2012 8:45	6.60	6.20	5.70	5.60	1.00
10/22/2012 9:00	6.90	6.20	5.60	5.50	1.40
10/22/2012 9:15	6.80	5.80	5.60	5.40	1.40
10/22/2012 9:30	5.70	5.70	6.70	5.70	0.00
10/22/2012 9:45	6.10	5.70	6.40	6.10	0.00
10/22/2012 10:00	6.50	7.50	6.70	6.10	1.40
10/22/2012 10:15	7.10	8.30	6.70	5.80	0.00
10/22/2012 10:30	6.90	5.80	7.90	7.80	0.00
10/22/2012 10:45	6.80	5.70	7.00	7.90	0.00
10/22/2012 11:00	6.80	5.80	6.80	7.00	0.00
10/22/2012 11:15	6.90	5.60	7.20	8.00	0.00
10/22/2012 11:30	6.70	8.20	6.70	5.60	2.60
10/22/2012 11:45	6.60	5.60	6.70	6.90	0.00
10/22/2012 12:00	6.90	7.00	6.80	5.60	1.40
10/22/2012 12:15	8.00	8.40	7.10	6.00	2.40
10/22/2012 12:30	6.90	5.90	6.70	8.20	0.20
10/22/2012 12:45	7.50	6.40	7.00	8.30	0.50
10/22/2012 13:00	8.00	8.50	7.10	6.10	2.40
10/22/2012 13:15	7.10	6.70	8.30	8.40	0.00
10/22/2012 13:30	7.20	6.20	8.10	9.40	0.00
10/22/2012 13:45	7.40	8.60	7.00	6.00	2.60
10/22/2012 14:00	7.20	6.00	7.20	7.80	0.00
10/22/2012 14:15	7.40	9.00	7.10	6.20	2.80
10/22/2012 14:30	7.30	6.20	7.10	8.70	0.20
10/22/2012 14:45	7.30	6.50	7.00	8.10	0.30
10/22/2012 15:00	6.50	7.50	7.30	6.30	1.20
10/22/2012 15:15	7.00	6.70	7.10	7.80	0.00
10/22/2012 15:30	6.90	7.50	9.00	8.00	0.00
10/22/2012 15:45	7.00	7.60	9.00	8.30	0.00
10/22/2012 16:00	6.80	7.00	8.70	7.80	0.00
10/22/2012 16:15	7.70	7.40	7.20	7.60	0.50
10/22/2012 16:30	7.00	7.50	9.60	8.70	0.00
10/22/2012 16:45	7.00	8.40	8.20	8.60	0.20
10/22/2012 17:00	9.50	8.20	6.70	7.50	2.80
10/22/2012 17:15	6.80	7.20	9.60	8.60	0.00
10/22/2012 17:30	8.60	7.90	6.60	7.20	2.00
10/22/2012 17:45	6.40	7.50	9.60	9.10	0.00
10/22/2012 18:00	9.70	8.00	7.20	6.70	3.00
10/22/2012 18:15	6.90	6.80	8.90	8.50	0.00
10/22/2012 18:30	6.80	6.90	9.00	8.30	0.00
10/22/2012 18:45	7.10	7.40	8.90	7.30	0.10
10/22/2012 19:00	6.80	7.10	10.70	9.70	0.00
10/22/2012 19:15	9.80	8.50	6.70	7.20	3.10
10/22/2012 19:30	10.70	8.60	6.80	6.70	4.00
10/22/2012 19:45	9.70	8.90	6.80	6.70	3.00
10/22/2012 20:00	7.00	6.50	9.20	8.10	0.00
10/22/2012 20:15	8.50	7.40	6.50	6.30	2.20
10/22/2012 20:30	6.40	6.40	8.60	7.20	0.00
10/22/2012 20:45	7.90	6.80	6.40	6.60	1.50
10/22/2012 21:00	8.30	7.20	6.50	6.50	1.80
10/22/2012 21:15	7.20	6.60	11.30	10.30	0.00
10/22/2012 21:30	9.90	10.20	6.90	6.30	3.90
10/22/2012 21:45	6.90	6.10	10.00	8.70	0.00
10/22/2012 22:00	8.80	7.70	6.50	6.40	2.40
10/22/2012 22:15	9.70	7.40	6.30	6.40	3.40
10/22/2012 22:30	6.10	6.30	8.70	7.80	0.00
10/22/2012 22:45	8.30	7.50	6.00	6.30	2.30
10/22/2012 23:00	7.80	6.80	6.10	5.80	2.00
10/22/2012 23:15	9.60	9.20	6.10	5.70	3.90
10/22/2012 23:30	6.40	6.00	9.10	7.60	0.00
10/22/2012 23:45	6.30	6.30	8.50	7.50	0.00
10/23/2012 0:00	9.40	8.00	6.00	6.00	3.40
10/23/2012 0:15	8.40	7.20	5.90	5.60	2.80
10/23/2012 0:30	6.00	6.00	9.30	8.60	0.00
10/23/2012 0:45	5.60	5.70	8.20	7.70	0.00
10/23/2012 1:00	8.90	7.40	5.90	5.90	3.00
10/23/2012 1:15	10.00	7.80	6.10	6.10	3.90
10/23/2012 1:30	8.50	6.90	5.90	5.80	2.70
10/23/2012 1:45	8.00	6.70	5.70	5.60	2.40
10/23/2012 2:00	7.90	6.80	5.50	5.20	2.70
10/23/2012 2:15	5.70	5.60	7.20	6.90	0.00
10/23/2012 2:30	7.70	6.60	5.70	5.60	2.10



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10-15-12 to 12-18-12
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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/23/2012 2:45	8.30	7.10	5.70	5.80	2.60
10/23/2012 3:00	5.60	5.70	7.70	6.60	0.00
10/23/2012 3:15	7.50	6.60	5.50	5.30	2.20
10/23/2012 3:30	7.30	6.40	5.40	5.10	2.20
10/23/2012 3:45	6.90	6.10	5.60	6.40	1.30
10/23/2012 4:00	5.60	5.70	7.00	6.50	0.00
10/23/2012 4:15	7.40	6.60	5.40	5.70	2.00
10/23/2012 4:30	7.40	6.50	5.50	5.90	1.90
10/23/2012 4:45	7.30	6.30	5.50	5.60	1.80
10/23/2012 5:00	5.50	5.90	7.10	5.90	0.00
10/23/2012 5:15	7.30	6.50	5.40	5.50	1.90
10/23/2012 5:30	6.90	6.50	5.50	5.30	1.60
10/23/2012 5:45	5.50	5.40	6.70	6.00	0.00
10/23/2012 6:00	6.90	6.20	5.30	5.50	1.60
10/23/2012 6:15	5.10	5.90	7.30	6.30	0.00
10/23/2012 6:30	7.40	6.30	5.40	5.50	2.00
10/23/2012 6:45	5.40	5.30	6.80	5.70	0.00
10/23/2012 7:00	7.10	6.70	5.20	5.00	2.10
10/23/2012 7:15	7.80	6.60	5.00	5.00	2.80
10/23/2012 7:30	5.50	5.40	7.00	5.80	0.00
10/23/2012 7:45	5.50	6.00	6.90	6.10	0.00
10/23/2012 8:00	7.20	6.10	6.90	6.20	1.00
10/23/2012 8:15	7.00	6.20	10.10	9.70	0.00
10/23/2012 8:30	10.00	10.10	18.30	13.80	0.00
10/23/2012 8:45	7.80	8.40	7.40	5.80	2.60
10/23/2012 9:00	7.10	7.20	8.30	8.50	0.00
10/23/2012 9:15	8.10	7.20	8.50	8.10	0.00
10/23/2012 9:30	9.10	10.60	11.20	10.00	0.60
10/23/2012 9:45	12.20	8.90	8.70	9.50	3.50
10/23/2012 10:00	8.20	8.50	11.10	7.20	1.30
10/23/2012 10:15	7.30	9.00	9.20	7.00	2.00
10/23/2012 10:30	8.70	9.50	7.40	7.30	2.20
10/23/2012 10:45	9.40	8.10	14.30	14.70	0.00
10/23/2012 11:00	12.20	13.10	11.80	8.70	4.40
10/23/2012 11:15	11.70	12.90	10.90	8.40	4.50
10/23/2012 11:30	9.60	7.20	9.60	10.20	0.00
10/23/2012 11:45	8.00	7.10	9.40	10.60	0.00
10/23/2012 12:00	10.10	7.80	10.00	10.70	0.10
10/23/2012 12:30	10.40	6.70	9.10	11.80	1.30
10/23/2012 12:45	8.00	6.70	-100000.00	-100000.00	8.00
10/23/2012 13:00	7.80	7.50	-100000.00	-100000.00	7.80
10/23/2012 13:15	9.10	6.80	-100000.00	-100000.00	9.10
10/23/2012 13:30	-100000.00	-100000.00	9.40	7.40	0.00
10/23/2012 13:45	9.20	7.40	9.20	11.10	0.00
10/23/2012 14:00	8.80	7.40	9.10	11.00	0.00
10/23/2012 14:15	9.20	7.60	9.20	10.60	0.00
10/23/2012 14:30	-100000.00	-100000.00	9.00	11.40	-100000.00
10/23/2012 14:45	9.80	11.90	11.30	8.50	3.40
10/23/2012 15:00	-49995.60	-49996.00	10.70	12.00	-100000.00
10/23/2012 15:15	10.10	8.30	9.80	9.80	0.30
10/23/2012 15:30	11.00	8.70	8.80	9.30	2.20
10/23/2012 15:45	9.40	10.70	11.60	9.10	1.60
10/23/2012 16:00	8.80	10.00	9.20	8.00	2.00
10/23/2012 16:15	9.70	7.90	9.20	11.70	0.50
10/23/2012 16:30	9.80	10.10	12.70	10.30	0.00
10/23/2012 16:45	13.30	11.10	9.60	11.20	3.70
10/23/2012 17:00	11.90	8.60	14.30	19.90	0.00
10/23/2012 17:15	12.10	10.20	13.20	19.20	0.00
10/23/2012 17:30	12.60	11.10	12.40	12.00	0.60
10/23/2012 17:45	12.30	15.80	11.40	10.00	0.00
10/23/2012 18:00	11.70	8.90	11.70	30.20	0.00
10/23/2012 18:15	10.30	8.10	12.40	17.50	0.00
10/23/2012 18:30	12.20	15.80	10.30	8.70	7.10
10/23/2012 18:45	13.00	21.40	9.80	9.00	12.40
10/23/2012 19:00	9.80	7.60	13.50	27.90	0.00
10/23/2012 19:15	9.50	7.10	15.60	28.10	0.00
10/23/2012 19:30	9.40	7.60	13.80	25.00	0.00
10/23/2012 19:45	13.90	24.50	9.90	8.40	16.10
10/23/2012 20:00	15.70	22.50	9.50	8.90	13.60
10/23/2012 20:15	18.50	23.10	9.70	8.40	14.70
10/23/2012 20:30	9.10	7.50	15.90	18.70	0.00
10/23/2012 20:45	9.20	7.60	17.50	17.90	0.00
10/23/2012 21:00	9.00	7.30	16.40	16.20	0.00
10/23/2012 21:15	8.60	8.10	16.50	17.00	0.00
10/23/2012 21:30	16.90	17.00	9.20	8.10	8.90
10/23/2012 21:45	17.60	15.00	9.20	7.10	10.50
10/23/2012 22:00	14.80	13.70	8.80	6.60	8.20
10/23/2012 22:15	8.10	7.10	15.30	14.70	0.00
10/23/2012 22:30	10.20	7.60	13.80	13.80	0.00
10/23/2012 22:45	14.10	13.50	9.60	6.80	7.30
10/23/2012 23:00	8.90	6.70	14.50	12.20	0.00
10/23/2012 23:15	8.20	6.80	13.40	11.90	0.00
10/23/2012 23:30	7.80	7.00	12.90	12.20	0.00
10/23/2012 23:45	13.20	11.40	8.10	6.90	6.30
10/24/2012 0:00	8.10	6.60	12.80	10.80	0.00
10/24/2012 0:15	7.70	6.60	12.20	11.00	0.00
10/24/2012 0:30	11.60	9.90	7.60	6.50	5.10
10/24/2012 0:45	7.80	6.80	11.80	10.50	0.00
10/24/2012 1:00	9.20	6.40	9.90	10.80	0.00



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Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Turbidity Data
10-15-12 to 12-18-12
(periods of dredging)

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/24/2012 1:15	11.10	10.20	7.60	6.90	4.20
10/24/2012 1:30	7.70	6.70	10.50	9.40	0.00
10/24/2012 1:45	8.80	9.20	8.50	6.80	2.40
10/24/2012 2:00	8.70	6.80	9.50	9.50	0.00
10/24/2012 2:15	9.00	6.40	9.60	9.30	0.00
10/24/2012 2:30	8.00	6.40	9.80	9.10	0.00
10/24/2012 2:45	8.20	6.30	9.40	9.20	0.00
10/24/2012 3:00	7.70	9.00	7.80	6.50	2.50
10/24/2012 3:15	8.80	8.90	7.90	6.60	0.00
10/24/2012 3:30	9.10	8.80	8.20	7.20	1.90
10/24/2012 3:45	8.30	8.70	7.70	7.10	1.60
10/24/2012 4:00	8.10	6.40	8.60	8.40	0.00
10/24/2012 4:15	7.70	6.50	8.40	8.30	0.00
10/24/2012 4:30	8.20	6.60	7.70	8.10	0.50
10/24/2012 4:45	8.40	8.30	7.90	6.50	1.90
10/24/2012 5:00	7.80	6.40	8.30	7.80	0.00
10/24/2012 5:15	7.70	6.60	8.00	9.30	0.00
10/24/2012 5:30	8.50	6.70	8.10	8.50	0.40
10/24/2012 5:45	8.30	6.30	8.60	8.40	0.00
10/24/2012 6:00	8.00	6.30	7.60	8.50	0.40
10/24/2012 6:15	8.10	6.60	7.70	8.70	0.40
10/24/2012 6:30	8.30	8.30	7.90	6.40	1.90
10/24/2012 6:45	7.90	8.20	7.50	6.50	1.70
10/24/2012 7:00	7.60	6.20	8.20	8.30	0.00
10/24/2012 7:15	7.80	6.40	7.80	8.30	0.00
10/24/2012 7:30	7.50	6.10	7.10	8.10	0.40
10/24/2012 7:45	7.70	6.30	8.20	8.50	0.00
10/24/2012 8:00	7.20	8.50	7.50	6.30	2.20
10/24/2012 8:15	7.50	6.50	7.40	8.20	0.10
10/24/2012 8:30	7.40	6.30	9.50	9.80	0.00
10/24/2012 8:45	7.40	6.40	10.90	11.20	-100000.00
10/24/2012 9:00	-100000.00	-100000.00	16.00	17.80	-100000.00
10/24/2012 9:15	-100000.00	-100000.00	13.00	14.00	-100000.00
10/24/2012 9:30	11.70	12.80	-100000.00	-100000.00	12.80
10/24/2012 9:45	-100000.00	-100000.00	12.00	13.10	-100000.00
10/24/2012 10:00	-100000.00	-100000.00	9.60	10.90	-100000.00
10/24/2012 10:15	-100000.00	-100000.00	9.20	10.10	-100000.00
10/24/2012 10:30	-100000.00	-100000.00	9.80	24.70	-100000.00
10/24/2012 10:45	-100000.00	-100000.00	10.50	18.70	-100000.00
10/24/2012 11:00	-100000.00	-100000.00	10.30	18.80	-100000.00
10/24/2012 11:15	-100000.00	-100000.00	11.10	18.80	-100000.00
10/24/2012 11:30	-100000.00	-100000.00	10.30	17.50	-100000.00
10/24/2012 11:45	-100000.00	-100000.00	10.90	17.90	-100000.00
10/24/2012 12:00	-100000.00	-100000.00	11.40	19.40	-100000.00
10/24/2012 12:15	-100000.00	-100000.00	12.70	24.50	-100000.00
10/24/2012 12:30	-100000.00	-100000.00	13.90	26.70	-100000.00
10/24/2012 12:45	-100000.00	-100000.00	13.10	24.80	-100000.00
10/24/2012 13:00	14.10	24.10	-100000.00	-100000.00	24.10
10/24/2012 13:15	8.40	6.70	18.10	27.80	0.00
10/24/2012 13:30	8.60	6.80	19.60	28.20	0.00
10/24/2012 13:45	7.80	7.30	14.10	28.20	0.00
10/24/2012 14:00	7.80	7.40	13.10	25.10	0.00
10/24/2012 14:15	17.20	22.30	7.90	7.30	15.00
10/24/2012 14:30	17.30	21.10	8.00	6.90	14.20
10/24/2012 14:45	19.20	21.30	8.90	6.80	14.50
10/24/2012 15:00	18.40	21.10	8.00	7.00	14.10
10/24/2012 15:15	7.70	6.70	18.50	19.50	0.00
10/24/2012 15:30	17.60	21.40	8.90	7.10	14.30
10/24/2012 15:45	9.00	6.70	18.30	19.20	0.00
10/24/2012 16:00	8.20	6.90	14.70	19.60	0.00
10/24/2012 16:15	8.10	6.50	15.60	17.90	0.00
10/24/2012 16:30	8.90	6.20	16.60	17.10	0.00
10/24/2012 16:45	17.30	18.20	10.60	6.50	11.70
10/24/2012 17:00	9.80	8.60	15.90	17.80	0.00
10/24/2012 17:15	8.70	9.20	16.00	16.70	0.00
10/24/2012 17:30	15.80	16.80	13.50	7.90	8.90
10/24/2012 17:45	14.70	8.30	18.30	16.40	0.00
10/24/2012 18:00	11.40	8.10	16.90	16.60	0.00
10/24/2012 18:15	16.40	17.00	14.00	7.40	9.60
10/24/2012 18:30	23.30	18.50	8.20	7.00	16.30
10/24/2012 18:45	8.50	7.30	18.60	17.10	0.00
10/24/2012 19:00	11.90	6.90	16.00	17.80	0.00
10/24/2012 19:15	16.00	18.00	13.10	7.10	10.90
10/24/2012 19:30	12.00	7.40	19.30	19.60	0.00
10/24/2012 19:45	16.50	19.00	10.10	6.80	12.20
10/24/2012 20:00	17.10	19.50	8.00	6.80	12.70
10/24/2012 20:15	8.30	6.80	15.40	20.10	0.00
10/24/2012 20:30	11.20	6.80	15.10	19.20	0.00
10/24/2012 20:45	11.00	7.70	14.70	19.50	0.00
10/24/2012 21:00	8.70	7.80	15.20	20.10	0.00
10/24/2012 21:15	15.20	20.00	7.80	7.30	12.70
10/24/2012 21:30	8.80	7.20	16.00	18.80	0.00
10/24/2012 21:45	8.20	7.80	14.80	18.70	0.00
10/24/2012 22:00	8.00	7.00	14.10	18.50	0.00
10/24/2012 22:15	13.00	18.00	10.20	7.40	10.60
10/24/2012 22:30	14.30	17.10	9.40	7.80	9.30
10/24/2012 22:45	13.10	16.80	8.30	7.20	9.60
10/24/2012 23:00	12.80	16.20	8.30	6.90	9.30
10/24/2012 23:15	8.20	6.80	12.70	17.50	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/24/2012 23:30	9.40	7.10	12.30	17.20	0.00
10/24/2012 23:45	9.10	7.00	14.90	17.20	0.00
10/25/2012 0:00	14.50	16.40	9.00	7.50	8.90
10/25/2012 0:15	13.70	15.70	8.00	7.20	8.50
10/25/2012 0:30	8.70	6.90	11.20	16.40	0.00
10/25/2012 0:45	9.50	7.00	10.30	15.30	0.00
10/25/2012 1:00	12.30	14.80	8.90	7.20	7.60
10/25/2012 1:15	7.90	6.50	12.10	14.00	0.00
10/25/2012 1:30	8.30	6.30	9.30	14.20	0.00
10/25/2012 1:45	8.80	13.50	8.60	6.70	6.80
10/25/2012 2:00	8.40	6.50	10.30	13.00	0.00
10/25/2012 2:15	8.20	7.00	10.00	13.20	0.00
10/25/2012 2:30	9.60	13.10	8.30	6.20	6.90
10/25/2012 2:45	10.10	12.30	8.10	6.70	5.60
10/25/2012 3:00	7.60	7.00	10.00	11.70	0.00
10/25/2012 3:15	9.60	11.80	8.20	6.20	5.60
10/25/2012 3:30	8.60	5.90	10.90	11.20	0.00
10/25/2012 3:45	8.20	6.30	10.00	10.40	0.00
10/25/2012 4:00	9.60	11.10	8.70	6.70	4.40
10/25/2012 4:15	9.70	10.90	9.50	7.00	3.90
10/25/2012 4:30	8.00	7.00	8.80	10.40	0.00
10/25/2012 4:45	8.20	7.10	9.70	10.20	0.00
10/25/2012 5:00	9.40	6.70	9.50	10.10	0.00
10/25/2012 5:15	9.40	7.00	9.00	10.00	0.40
10/25/2012 5:30	9.30	9.70	8.20	6.40	3.30
10/25/2012 5:45	8.40	6.40	9.30	9.50	0.00
10/25/2012 6:00	8.60	6.50	8.70	9.50	0.00
10/25/2012 6:15	8.00	6.00	8.90	9.50	0.00
10/25/2012 6:30	8.10	6.60	9.10	9.20	0.00
10/25/2012 6:45	8.50	8.70	8.40	6.40	2.30
10/25/2012 7:00	8.50	6.30	8.80	9.20	0.00
10/25/2012 7:15	8.50	9.00	8.70	6.40	2.60
10/25/2012 7:30	8.70	8.90	8.20	7.40	1.50
10/25/2012 7:45	8.70	8.70	7.90	7.40	1.30
10/25/2012 8:00	8.70	8.20	7.70	7.40	1.30
10/25/2012 8:15	8.30	9.30	7.90	6.20	3.10
10/25/2012 8:30	8.80	5.70	8.20	9.00	0.60
10/25/2012 8:45	7.90	6.60	8.00	8.70	0.00
10/25/2012 9:00	8.20	8.90	8.10	6.60	2.30
10/25/2012 9:15	8.00	8.20	8.40	8.80	0.00
10/25/2012 9:30	8.50	8.50	8.20	9.10	0.30
10/25/2012 9:45	8.50	8.80	7.70	7.80	1.10
10/25/2012 10:00	7.90	8.00	8.70	9.80	0.00
10/25/2012 10:15	8.10	6.10	8.50	9.30	0.00
10/25/2012 10:30	8.10	6.60	8.80	9.90	0.00
10/25/2012 10:45	16.00	12.50	8.50	7.00	9.00
10/25/2012 11:00	15.70	10.80	8.00	8.90	7.70
10/25/2012 11:15	9.00	8.90	15.00	12.70	0.00
10/25/2012 11:30	14.20	16.60	8.40	8.00	8.60
10/25/2012 11:45	17.10	18.10	8.20	7.60	10.50
10/25/2012 12:00	17.60	20.20	8.50	8.40	11.80
10/25/2012 12:15	9.30	8.20	16.10	18.50	0.00
10/25/2012 12:30	13.00	12.30	14.10	16.50	0.00
10/25/2012 12:45	14.40	22.30	10.90	9.20	13.10
10/25/2012 13:00	8.40	9.50	18.40	23.70	0.00
10/25/2012 13:15	11.00	10.60	18.50	20.90	0.00
10/25/2012 13:30	12.30	12.50	18.50	23.20	0.00
10/25/2012 13:45	11.70	11.50	18.00	22.80	0.00
10/25/2012 14:00	21.80	24.30	9.10	9.10	15.20
10/25/2012 14:15	16.30	19.80	15.10	13.70	6.10
10/25/2012 14:30	16.60	22.40	12.20	11.20	11.20
10/25/2012 14:45	18.50	22.20	11.30	10.70	11.50
10/25/2012 15:00	18.50	22.20	13.10	12.10	10.10
10/25/2012 15:15	12.10	12.00	15.70	21.40	0.00
10/25/2012 15:30	10.30	10.50	18.40	22.00	0.00
10/25/2012 15:45	9.00	12.30	20.80	23.30	0.00
10/25/2012 16:00	29.20	32.50	10.70	12.30	21.80
10/25/2012 16:15	10.30	9.60	26.20	31.30	0.00
10/25/2012 16:30	22.70	23.50	10.00	13.70	13.50
10/25/2012 16:45	18.60	19.10	19.90	16.40	2.70
10/25/2012 17:00	14.50	17.80	17.80	15.20	2.60
10/25/2012 17:15	19.50	21.00	10.30	11.40	10.70
10/25/2012 17:30	10.90	8.20	19.60	20.80	0.00
10/25/2012 17:45	16.70	17.20	12.70	10.50	6.70
10/25/2012 18:00	17.40	13.20	14.90	14.90	2.50
10/25/2012 18:15	15.70	16.60	9.80	10.50	6.80
10/25/2012 18:30	15.40	20.70	9.50	10.80	11.20
10/25/2012 18:45	11.30	9.00	13.40	13.30	0.00
10/25/2012 19:00	11.50	10.10	13.40	18.10	0.00
10/25/2012 19:15	14.20	18.30	13.10	10.80	7.50
10/25/2012 19:30	14.70	15.40	13.50	10.80	4.60
10/25/2012 19:45	9.90	9.70	15.90	17.20	0.00
10/25/2012 20:00	10.60	8.60	17.10	17.40	0.00
10/25/2012 20:15	19.30	16.00	15.50	15.30	4.00
10/25/2012 20:30	14.30	13.90	20.70	17.40	0.00
10/25/2012 20:45	14.20	13.40	17.30	13.90	0.30
10/25/2012 21:00	13.80	10.90	14.90	14.20	0.00
10/25/2012 21:15	15.00	14.40	12.70	11.60	3.40
10/25/2012 21:30	19.00	15.40	15.30	15.90	3.70



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/25/2012 21:45	14.80	12.10	15.20	15.30	0.00
10/25/2012 22:00	14.90	15.10	13.70	10.90	4.20
10/25/2012 22:15	13.50	10.80	15.20	18.20	0.00
10/25/2012 22:30	15.30	12.40	17.40	20.30	0.00
10/25/2012 22:45	15.70	18.90	17.80	14.20	4.70
10/25/2012 23:00	15.10	17.00	18.20	14.60	2.40
10/25/2012 23:15	16.30	16.60	15.30	11.60	5.00
10/25/2012 23:30	15.10	15.80	14.50	11.10	4.70
10/25/2012 23:45	16.60	15.00	15.70	16.30	0.90
10/26/2012 0:00	16.30	16.10	23.50	22.70	0.00
10/26/2012 0:15	14.90	14.70	23.90	21.30	0.00
10/26/2012 0:30	17.50	16.90	15.60	15.10	2.40
10/26/2012 0:45	15.40	14.80	14.90	14.10	1.30
10/26/2012 1:00	15.20	15.10	24.00	20.40	0.00
10/26/2012 1:15	14.70	14.10	20.90	17.70	0.00
10/26/2012 1:30	21.60	22.40	14.60	14.30	8.10
10/26/2012 1:45	14.50	13.60	19.70	19.30	0.00
10/26/2012 2:00	14.50	14.10	23.10	21.30	0.00
10/26/2012 2:15	15.40	16.00	35.00	31.80	0.00
10/26/2012 2:30	14.80	14.80	28.80	26.40	0.00
10/26/2012 2:45	14.50	14.30	36.10	33.20	0.00
10/26/2012 3:00	26.00	24.20	15.30	15.00	11.00
10/26/2012 3:15	19.00	20.00	15.20	14.90	5.10
10/26/2012 3:30	14.80	14.40	14.60	14.80	0.20
10/26/2012 3:45	16.00	16.10	27.60	24.60	0.00
10/26/2012 4:00	27.40	27.00	15.70	15.50	11.90
10/26/2012 4:15	15.30	14.60	18.90	18.10	0.00
10/26/2012 4:30	34.40	30.00	16.00	15.40	19.00
10/26/2012 4:45	17.20	17.30	28.20	28.40	0.00
10/26/2012 5:00	17.00	17.00	22.20	22.20	0.00
10/26/2012 5:15	15.50	14.30	17.60	15.40	0.10
10/26/2012 5:30	15.50	14.60	17.40	15.90	0.00
10/26/2012 5:45	23.80	20.00	16.40	15.70	8.10
10/26/2012 6:00	15.20	14.40	19.50	18.40	0.00
10/26/2012 6:15	13.50	12.50	14.90	14.00	0.00
10/26/2012 6:30	21.10	21.20	14.90	14.20	7.00
10/26/2012 6:45	16.10	15.80	24.10	23.50	0.00
10/26/2012 7:00	27.70	22.30	16.70	15.60	12.10
10/26/2012 7:15	35.20	35.60	32.40	28.40	7.20
10/26/2012 7:30	27.90	29.10	30.80	28.70	0.40
10/26/2012 7:45	17.30	16.10	21.00	19.50	0.00
10/26/2012 8:00	28.30	30.90	48.20	60.30	0.00
10/26/2012 8:15	34.50	30.40	25.00	25.10	9.50
10/26/2012 8:30	23.10	25.20	36.50	34.80	0.00
10/26/2012 8:45	95.90	95.30	41.30	44.00	54.60
10/26/2012 9:00	35.70	32.30	61.60	57.80	0.00
10/26/2012 9:15	36.40	35.20	28.90	27.50	8.90
10/26/2012 9:30	30.20	29.70	23.70	17.90	12.30
10/26/2012 9:45	26.90	26.90	22.60	24.00	4.30
10/26/2012 10:00	26.40	25.60	36.80	32.40	0.00
10/26/2012 10:15	52.90	47.20	25.00	25.60	27.90
10/26/2012 10:30	24.40	24.20	37.10	31.50	0.00
10/26/2012 10:45	24.80	24.40	34.20	31.10	0.00
10/26/2012 11:00	24.10	27.00	25.70	22.50	4.50
10/26/2012 11:15	23.30	17.40	22.80	27.70	0.50
10/26/2012 11:30	21.70	17.80	22.80	24.50	0.00
10/26/2012 11:45	20.10	18.40	22.90	24.30	0.00
10/26/2012 12:00	28.40	21.10	22.60	23.40	5.80
10/26/2012 12:15	23.20	23.90	20.40	18.10	5.80
10/26/2012 12:30	16.20	10.60	24.50	24.20	0.00
10/26/2012 12:45	24.50	25.10	98.60	96.40	0.00
10/26/2012 13:00	21.10	21.20	54.60	53.10	0.00
10/26/2012 13:15	23.30	22.70	35.00	32.30	0.00
10/26/2012 13:30	23.00	22.70	21.40	17.50	5.50
10/26/2012 13:45	32.70	19.80	22.90	22.60	10.10
10/26/2012 14:00	20.70	20.70	41.20	36.00	0.00
10/26/2012 14:15	20.20	20.20	21.00	20.30	0.00
10/26/2012 14:30	17.40	13.20	21.30	21.00	0.00
10/26/2012 14:45	23.60	19.10	21.00	21.10	2.60
10/26/2012 15:00	29.40	26.30	19.40	18.50	10.90
10/26/2012 15:15	24.20	18.20	18.60	18.60	5.60
10/26/2012 15:30	16.10	15.70	19.70	19.00	0.00
10/26/2012 15:45	19.00	14.40	20.30	20.50	0.00
10/26/2012 16:00	20.50	19.80	20.50	18.00	2.50
10/26/2012 16:15	17.20	16.90	20.80	20.60	0.00
10/26/2012 16:30	12.90	12.10	19.10	18.90	0.00
10/26/2012 16:45	16.20	11.60	17.80	17.00	0.00
10/26/2012 17:00	19.10	14.40	17.80	17.00	2.10
10/26/2012 17:15	18.40	12.80	17.80	17.20	1.20
10/26/2012 17:30	20.10	20.50	16.20	10.80	9.70
10/26/2012 17:45	13.10	9.30	19.60	21.50	0.00
10/26/2012 18:00	19.10	18.40	14.80	9.40	0.00
10/26/2012 18:15	17.20	16.30	19.20	12.00	5.20
10/26/2012 18:30	15.80	12.60	18.60	17.90	0.00
10/26/2012 18:45	17.20	13.60	17.10	16.50	0.70
10/26/2012 19:00	16.90	16.10	20.00	17.20	0.00
10/26/2012 19:15	16.80	12.20	17.80	17.30	0.00
10/26/2012 19:30	18.30	17.60	16.40	12.60	5.70
10/26/2012 19:45	16.20	14.10	18.60	18.00	0.00



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(periods of dredging)

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/26/2012 20:00	20.40	18.00	17.10	15.90	4.50
10/26/2012 20:15	17.70	16.80	16.30	13.90	3.80
10/26/2012 20:30	15.30	12.00	17.70	16.90	0.00
10/26/2012 20:45	16.30	14.10	17.30	16.70	0.00
10/26/2012 21:00	18.30	15.30	14.90	14.30	4.00
10/26/2012 21:15	17.70	14.60	15.00	14.50	3.20
10/26/2012 21:30	17.00	16.60	16.10	12.20	4.80
10/26/2012 21:45	14.40	11.20	17.00	16.30	0.00
10/26/2012 22:00	18.90	16.00	15.30	14.80	4.10
10/26/2012 22:15	15.10	14.70	17.50	14.50	0.60
10/26/2012 22:30	15.10	11.00	16.20	15.20	0.00
10/26/2012 22:45	15.20	11.40	16.10	15.80	0.00
10/26/2012 23:00	14.60	14.20	17.50	14.20	0.40
10/26/2012 23:15	15.00	12.20	14.70	14.60	0.40
10/26/2012 23:30	15.10	13.80	15.80	13.20	1.90
10/26/2012 23:45	15.00	14.50	15.70	12.80	2.20
10/27/2012 0:00	15.90	12.50	15.00	15.00	0.90
10/27/2012 0:15	15.70	12.10	15.20	15.20	0.50
10/27/2012 0:30	15.40	14.80	15.20	11.50	3.90
10/27/2012 0:45	15.00	12.10	15.20	14.50	0.50
10/27/2012 1:00	14.20	13.40	14.90	13.10	1.10
10/27/2012 1:15	14.90	14.20	14.80	12.50	2.40
10/27/2012 1:30	14.60	12.40	14.90	14.90	0.00
10/27/2012 1:45	13.90	12.00	14.40	14.20	0.00
10/27/2012 2:00	14.90	14.30	14.50	12.20	2.70
10/27/2012 2:15	13.90	12.00	14.50	14.30	0.00
10/27/2012 2:30	14.50	13.70	14.50	12.90	1.60
10/27/2012 2:45	14.40	13.80	13.70	11.60	2.80
10/27/2012 3:00	14.10	12.40	14.50	13.90	0.20
10/27/2012 3:15	14.10	13.50	15.00	12.30	1.80
10/27/2012 3:30	14.00	11.90	14.20	13.80	0.20
10/27/2012 3:45	14.20	13.70	13.90	11.30	2.90
10/27/2012 4:00	14.20	13.60	13.40	11.50	2.70
10/27/2012 4:15	13.30	11.30	14.00	13.50	0.00
10/27/2012 4:30	12.80	10.80	14.00	13.60	0.00
10/27/2012 4:45	13.40	11.00	13.80	13.70	0.00
10/27/2012 5:00	14.00	11.50	13.70	13.40	0.60
10/27/2012 5:15	13.60	13.10	14.00	11.60	2.00
10/27/2012 5:30	12.60	10.70	13.90	13.10	0.00
10/27/2012 5:45	12.20	10.50	13.80	13.40	0.00
10/27/2012 6:00	12.70	10.80	13.80	13.30	0.00
10/27/2012 6:15	12.60	10.70	13.50	13.00	0.00
10/27/2012 6:30	12.10	10.30	13.30	13.00	0.00
10/27/2012 6:45	12.60	10.20	13.20	12.80	0.00
10/27/2012 7:00	12.80	12.30	13.00	10.40	2.40
10/27/2012 7:15	12.80	12.70	12.70	10.50	2.30
10/27/2012 7:30	12.90	10.70	12.90	12.70	0.20
10/27/2012 7:45	12.60	12.30	13.90	10.90	1.70
10/27/2012 8:00	12.80	10.30	12.30	12.60	0.50
10/27/2012 8:15	12.70	13.30	12.10	10.20	3.10
10/27/2012 8:30	12.30	10.00	12.80	13.70	0.00
10/27/2012 8:45	12.00	10.00	12.70	13.10	0.00
10/27/2012 9:00	12.00	9.60	12.80	12.80	0.00
10/27/2012 9:15	11.80	9.40	12.80	13.50	0.00
10/27/2012 9:30	12.50	9.70	13.00	13.90	0.00
10/27/2012 9:45	12.80	13.00	12.70	10.50	2.50
10/27/2012 10:00	13.00	10.70	12.80	13.10	0.20
10/27/2012 10:15	13.00	10.50	12.80	12.40	0.60
10/27/2012 10:30	12.70	12.40	13.10	10.30	2.40
10/27/2012 10:45	12.60	12.70	13.10	10.00	2.70
10/27/2012 11:00	12.20	12.20	12.80	10.30	1.90
10/27/2012 11:15	12.40	9.40	12.10	11.80	0.60
10/27/2012 11:30	12.40	9.70	12.50	11.90	0.50
10/27/2012 11:45	12.20	9.70	12.80	13.00	0.00
10/27/2012 12:00	11.90	11.60	12.20	8.90	3.00
10/27/2012 12:15	11.80	11.90	11.90	8.80	3.10
10/27/2012 12:30	12.00	9.20	11.60	11.90	0.40
10/27/2012 12:45	11.90	9.20	11.50	11.60	0.40
10/27/2012 13:00	12.20	13.00	11.90	9.30	3.70
10/27/2012 13:15	11.40	9.30	12.20	12.80	0.00
10/27/2012 13:30	11.90	12.30	11.20	9.10	3.20
10/27/2012 13:45	11.60	12.70	11.30	8.70	4.00
10/27/2012 14:00	11.30	8.80	11.70	11.90	0.00
10/27/2012 14:15	10.90	8.30	11.50	11.40	0.00
10/27/2012 14:30	10.70	8.00	10.80	10.60	0.10
10/27/2012 14:45	10.80	8.50	11.20	11.20	0.00
10/27/2012 15:00	12.10	12.70	11.80	8.90	3.80
10/27/2012 15:15	11.70	11.40	11.00	8.80	2.90
10/27/2012 15:30	10.20	7.90	11.20	11.40	0.00
10/27/2012 15:45	10.40	8.20	11.10	10.70	0.00
10/27/2012 16:00	10.50	8.20	11.30	11.00	0.00
10/27/2012 16:15	11.10	10.90	9.90	7.90	3.20
10/27/2012 16:30	9.90	7.50	10.60	10.30	0.00
10/27/2012 16:45	10.00	7.80	10.80	10.60	0.00
10/27/2012 17:00	10.10	8.20	11.10	11.20	0.00
10/27/2012 17:15	10.90	10.70	10.20	8.30	0.00
10/27/2012 17:30	10.80	10.40	10.00	7.90	2.90
10/27/2012 17:45	10.10	8.20	10.70	10.50	0.00
10/27/2012 18:00	10.10	8.00	10.60	9.90	0.20



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/27/2012 18:15	10.80	10.90	10.50	8.10	2.80
10/27/2012 18:30	10.40	10.20	10.20	8.00	2.40
10/27/2012 18:45	10.40	10.20	9.70	7.70	2.70
10/27/2012 19:00	10.00	7.80	10.50	10.60	0.00
10/27/2012 19:15	10.10	7.80	10.40	9.90	0.20
10/27/2012 19:30	9.80	8.20	10.50	10.60	0.00
10/27/2012 19:45	10.70	11.10	10.50	7.80	3.30
10/27/2012 20:00	10.50	9.80	9.50	7.60	2.90
10/27/2012 20:15	10.20	9.70	9.30	8.40	1.80
10/27/2012 20:30	10.10	7.60	10.20	10.50	0.00
10/27/2012 20:45	9.60	7.80	10.00	9.60	0.00
10/27/2012 21:00	9.70	9.70	10.10	7.40	2.30
10/27/2012 21:15	8.50	7.40	9.70	9.30	0.00
10/27/2012 21:30	9.60	9.20	9.50	7.40	2.20
10/27/2012 21:45	9.70	7.50	9.50	9.20	0.50
10/27/2012 22:00	9.00	7.50	9.40	9.40	0.00
10/27/2012 22:15	9.60	9.50	9.90	7.60	2.00
10/27/2012 22:30	9.40	7.50	9.40	9.00	0.40
10/27/2012 22:45	9.10	7.30	9.50	8.90	0.20
10/27/2012 23:00	9.50	7.50	9.40	9.30	0.20
10/27/2012 23:15	9.70	7.50	9.60	9.30	0.40
10/27/2012 23:30	9.10	9.20	9.10	6.90	2.30
10/27/2012 23:45	8.90	7.20	9.10	9.20	0.00
10/28/2012 0:00	9.50	9.30	8.70	7.30	2.20
10/28/2012 0:15	9.50	7.00	9.50	9.40	0.10
10/28/2012 0:30	9.20	7.20	9.00	8.90	0.30
10/28/2012 0:45	9.00	8.70	9.20	7.10	1.90
10/28/2012 1:00	8.40	6.70	9.10	8.70	0.00
10/28/2012 1:15	8.90	6.90	8.70	8.40	0.50
10/28/2012 1:30	9.00	7.00	8.90	8.50	0.50
10/28/2012 1:45	8.90	7.00	8.90	9.00	0.00
10/28/2012 2:00	9.10	6.90	8.80	8.40	0.70
10/28/2012 2:15	8.60	6.80	8.60	8.60	0.00
10/28/2012 2:30	8.90	8.80	8.80	6.90	2.00
10/28/2012 2:45	8.60	8.70	9.10	6.90	1.80
10/28/2012 3:00	9.10	6.80	8.70	8.40	0.70
10/28/2012 3:15	8.70	8.30	8.80	6.90	1.80
10/28/2012 3:30	9.00	6.90	8.30	8.30	0.70
10/28/2012 3:45	8.80	8.80	8.70	6.90	1.90
10/28/2012 4:00	8.40	8.20	8.70	6.90	1.50
10/28/2012 4:15	8.90	6.80	8.50	8.40	0.50
10/28/2012 4:30	8.60	7.10	8.60	8.40	0.20
10/28/2012 4:45	8.40	8.40	8.40	6.90	1.50
10/28/2012 5:00	8.30	8.00	8.40	6.80	1.50
10/28/2012 5:15	8.10	7.90	8.30	6.80	1.30
10/28/2012 5:30	8.30	6.70	8.30	8.40	0.00
10/28/2012 5:45	8.50	6.70	8.20	8.10	0.40
10/28/2012 6:00	8.40	6.70	8.00	7.80	0.60
10/28/2012 6:15	7.80	7.90	8.40	6.80	1.10
10/28/2012 6:30	8.90	9.20	7.70	6.60	2.60
10/28/2012 6:45	8.10	8.20	8.20	6.60	1.60
10/28/2012 7:00	8.00	6.60	8.00	7.90	0.10
10/28/2012 7:15	7.80	6.50	8.80	8.60	0.00
10/28/2012 7:30	7.90	6.60	7.90	8.40	0.00
10/28/2012 7:45	7.60	9.00	8.60	6.50	0.00
10/28/2012 8:00	7.40	6.50	7.90	8.70	0.00
10/28/2012 8:15	8.20	6.40	7.80	8.60	0.40
10/28/2012 8:30	7.20	6.50	8.00	9.00	0.00
10/28/2012 8:45	7.30	6.30	8.40	9.60	0.00
10/28/2012 9:00	7.50	6.40	8.00	9.30	0.00
10/28/2012 9:15	7.70	6.30	7.60	9.80	0.10
10/28/2012 9:30	7.40	6.40	7.90	10.70	0.00
10/28/2012 9:45	7.70	6.40	7.80	7.90	0.00
10/28/2012 10:00	7.70	6.30	7.10	9.60	0.60
10/28/2012 10:15	7.50	6.30	7.00	9.00	0.50
10/28/2012 10:30	7.50	9.80	7.90	6.20	3.60
10/28/2012 10:45	7.70	6.10	6.40	8.90	1.30
10/28/2012 11:00	7.50	6.10	7.30	10.00	0.20
10/28/2012 11:15	7.70	6.10	7.60	11.40	0.10
10/28/2012 11:30	7.90	6.30	7.70	9.50	0.20
10/28/2012 11:45	9.00	10.20	8.20	6.20	4.00
10/28/2012 12:00	7.70	6.20	7.80	10.00	0.00
10/28/2012 12:15	7.60	6.30	8.30	9.80	0.00
10/28/2012 12:30	8.10	9.20	8.00	6.20	3.00
10/28/2012 12:45	7.90	6.30	7.80	9.50	0.10
10/28/2012 13:00	8.90	6.10	8.30	9.90	0.60
10/28/2012 13:15	7.70	8.90	7.50	6.10	2.80
10/28/2012 13:30	7.50	6.10	7.50	8.10	0.00
10/28/2012 13:45	7.50	6.20	7.40	9.00	0.10
10/28/2012 14:00	7.10	6.20	8.70	9.30	0.00
10/28/2012 14:15	7.60	6.20	7.60	9.70	0.00
10/28/2012 14:30	7.50	9.10	6.90	6.10	3.00
10/28/2012 14:45	7.30	8.80	7.30	6.10	2.70
10/28/2012 15:00	7.60	10.40	7.20	6.00	4.40
10/28/2012 15:15	7.30	6.10	6.90	9.60	0.40
10/28/2012 15:30	7.10	6.10	8.10	9.10	0.00
10/28/2012 15:45	7.10	5.80	6.90	8.80	0.20
10/28/2012 16:00	7.10	6.00	6.90	9.20	0.20
10/28/2012 16:15	6.80	6.00	7.50	8.50	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/28/2012 16:30	7.20	5.90	6.90	8.40	0.30
10/28/2012 16:45	6.80	5.80	6.70	9.10	0.10
10/28/2012 17:00	6.50	6.10	7.10	9.40	0.00
10/28/2012 17:15	7.20	5.40	6.70	11.10	0.50
10/28/2012 17:30	6.90	5.30	6.60	9.30	0.30
10/28/2012 17:45	6.90	8.60	6.70	5.20	3.40
10/28/2012 18:00	6.70	5.40	7.20	8.80	0.00
10/28/2012 18:15	6.70	8.80	6.60	5.40	3.40
10/28/2012 18:30	6.50	6.00	5.90	6.90	0.60
10/28/2012 18:45	7.40	5.90	6.40	7.70	1.00
10/28/2012 19:00	6.80	5.70	6.20	7.70	0.60
10/28/2012 19:15	7.10	5.10	6.30	7.50	0.80
10/28/2012 19:30	6.50	5.00	5.80	6.90	0.70
10/28/2012 19:45	6.90	5.20	5.70	7.70	1.20
10/28/2012 20:00	6.20	5.10	6.80	7.50	0.00
10/28/2012 20:15	6.70	5.70	5.50	6.50	1.20
10/28/2012 20:30	7.00	5.60	5.40	6.70	1.60
10/28/2012 20:45	5.10	7.00	6.80	5.50	1.50
10/28/2012 21:00	6.50	5.70	5.10	6.50	1.40
10/28/2012 21:15	6.50	5.30	5.20	6.00	1.30
10/28/2012 21:30	6.70	5.50	5.30	5.80	1.40
10/28/2012 21:45	6.50	5.20	4.90	5.90	1.60
10/28/2012 22:00	6.50	5.30	5.10	6.10	1.40
10/28/2012 22:15	5.30	5.80	6.40	5.40	0.00
10/28/2012 22:30	6.50	5.10	5.10	5.90	1.40
10/28/2012 22:45	6.40	5.10	5.00	6.10	1.40
10/28/2012 23:00	6.70	5.30	5.30	5.80	1.40
10/28/2012 23:15	6.30	5.20	4.80	5.70	1.50
10/28/2012 23:30	4.90	5.80	6.40	5.10	0.70
10/28/2012 23:45	6.50	5.40	4.80	6.00	1.70
10/29/2012 0:00	6.40	5.50	4.70	5.90	1.70
10/29/2012 0:15	6.30	5.20	4.90	5.40	1.40
10/29/2012 0:30	6.60	5.00	4.80	5.00	1.80
10/29/2012 0:45	4.60	5.60	6.40	5.00	0.60
10/29/2012 1:00	6.30	5.00	4.70	5.40	1.60
10/29/2012 1:15	6.10	4.90	4.90	5.40	1.20
10/29/2012 1:30	6.30	4.80	4.70	4.90	1.60
10/29/2012 1:45	6.20	4.90	4.50	4.70	1.70
10/29/2012 2:00	5.10	5.90	6.10	5.00	0.90
10/29/2012 2:15	6.10	5.00	4.70	5.40	1.40
10/29/2012 2:30	6.40	5.20	4.80	5.60	1.60
10/29/2012 2:45	6.00	5.10	4.60	5.40	1.40
10/29/2012 3:00	6.10	5.10	4.70	5.40	1.40
10/29/2012 3:15	5.90	4.90	4.70	5.20	1.20
10/29/2012 3:30	5.90	4.90	4.60	5.20	1.30
10/29/2012 3:45	6.30	5.10	4.80	5.70	1.50
10/29/2012 4:00	5.80	4.90	4.70	5.20	1.10
10/29/2012 4:15	5.80	4.60	4.60	5.50	1.20
10/29/2012 4:30	5.80	4.70	4.30	5.50	1.50
10/29/2012 4:45	5.50	4.60	4.70	5.50	0.80
10/29/2012 5:00	5.50	4.70	4.40	5.50	1.10
10/29/2012 5:15	5.50	4.50	4.70	6.00	0.80
10/29/2012 5:30	5.40	4.80	4.70	5.90	0.70
10/29/2012 5:45	5.50	5.00	4.60	6.10	0.90
10/29/2012 6:00	5.60	5.10	4.60	6.20	1.00
10/29/2012 6:15	5.50	4.80	4.50	5.70	1.00
10/29/2012 6:30	5.70	5.10	4.60	6.90	1.10
10/29/2012 6:45	5.50	4.50	4.70	6.90	0.80
10/29/2012 7:00	5.50	4.60	5.30	6.30	0.20
10/29/2012 7:15	5.70	4.80	4.60	5.20	1.10
10/29/2012 7:30	5.60	4.40	4.60	6.60	1.00
10/29/2012 7:45	5.60	4.50	4.60	9.70	1.00
10/29/2012 8:00	5.50	4.70	5.60	10.00	0.00
10/29/2012 8:15	5.40	4.40	4.80	9.20	0.60
10/29/2012 8:30	5.00	7.10	5.20	5.00	2.10
10/29/2012 8:45	4.80	8.50	5.70	4.50	4.00
10/29/2012 9:00	5.70	4.70	7.00	13.10	0.00
10/29/2012 9:15	7.00	11.60	7.50	4.80	6.80
10/29/2012 9:30	9.60	4.90	12.50	15.20	0.00
10/29/2012 9:45	8.80	5.10	18.90	22.20	0.00
10/29/2012 10:00	8.80	5.40	20.40	22.30	0.00
10/29/2012 10:15	20.90	26.80	9.30	5.60	0.00
10/29/2012 10:30	9.00	6.50	13.90	20.10	0.00
10/29/2012 10:45	8.60	6.40	17.60	18.20	0.00
10/29/2012 11:00	8.00	6.40	15.00	15.90	0.00
10/29/2012 11:15	8.00	6.00	12.80	14.20	0.00
10/29/2012 11:30	9.50	7.70	14.40	15.40	0.00
10/29/2012 11:45	9.50	12.80	8.60	5.20	7.60
10/29/2012 12:00	11.30	15.00	11.40	9.00	6.00
10/29/2012 12:15	11.20	16.80	12.40	6.40	10.40
10/29/2012 12:30	11.80	6.60	17.30	27.20	0.00
10/29/2012 12:45	10.80	6.10	38.70	43.50	0.00
10/29/2012 13:00	10.80	8.60	24.30	27.90	0.00
10/29/2012 13:15	11.20	9.20	17.00	22.30	0.00
10/29/2012 13:30	19.20	19.80	11.50	6.90	12.90
10/29/2012 13:45	12.10	9.10	17.50	18.90	0.00
10/29/2012 14:00	13.00	10.00	17.10	19.60	0.00
10/29/2012 14:15	9.10	19.40	14.00	11.10	8.30
10/29/2012 14:30	13.50	9.80	15.20	18.90	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/29/2012 14:45	12.80	9.80	14.80	20.10	0.00
10/29/2012 15:00	12.90	20.20	14.10	9.60	10.60
10/29/2012 15:15	13.70	11.60	8.60	16.40	5.10
10/29/2012 15:30	15.80	19.90	14.60	11.20	8.70
10/29/2012 15:45	11.70	16.80	13.90	10.60	6.20
10/29/2012 16:00	12.90	7.50	11.10	15.60	1.80
10/29/2012 16:15	9.30	16.20	13.40	9.60	6.60
10/29/2012 16:30	8.80	16.20	12.70	8.50	7.70
10/29/2012 16:45	13.10	9.90	10.10	16.40	3.00
10/29/2012 17:00	10.40	16.90	12.80	10.50	6.40
10/29/2012 17:15	12.60	9.70	9.30	15.00	3.30
10/29/2012 17:30	12.20	9.40	11.80	17.40	0.40
10/29/2012 17:45	12.80	10.60	10.90	14.60	1.90
10/29/2012 18:00	10.40	16.40	12.00	10.00	6.40
10/29/2012 18:15	10.40	15.80	11.40	9.90	5.90
10/29/2012 18:30	10.70	11.60	11.60	10.10	1.50
10/29/2012 18:45	10.90	10.50	11.90	10.40	0.50
10/29/2012 19:00	12.10	10.70	10.90	14.50	1.20
10/29/2012 19:15	10.90	12.10	12.70	10.90	1.20
10/29/2012 19:30	10.80	15.00	12.70	11.10	3.90
10/29/2012 19:45	12.80	11.10	10.90	11.90	1.90
10/29/2012 20:00	13.00	11.60	10.80	10.60	2.40
10/29/2012 20:15	12.40	11.10	10.80	10.40	2.00
10/29/2012 20:30	11.60	10.40	10.50	10.30	1.30
10/29/2012 20:45	10.20	9.60	11.60	10.20	0.00
10/29/2012 21:00	9.90	10.30	12.00	10.40	0.00
10/29/2012 21:15	12.50	11.10	10.80	12.60	1.70
10/29/2012 21:30	10.50	12.20	12.20	10.40	1.80
10/29/2012 21:45	11.80	10.30	10.40	11.00	1.40
10/29/2012 22:00	10.50	10.10	11.60	10.50	0.00
10/29/2012 22:15	11.60	10.30	10.00	10.00	1.60
10/29/2012 22:30	11.90	10.20	10.10	10.00	1.90
10/29/2012 22:45	11.30	10.30	9.50	9.40	1.90
10/29/2012 23:00	9.60	9.60	11.60	10.40	0.00
10/29/2012 23:15	9.50	10.00	11.40	10.20	0.00
10/29/2012 23:30	11.40	10.10	9.70	9.30	2.10
10/29/2012 23:45	11.20	10.10	9.60	9.30	1.90
10/30/2012 0:00	9.60	9.50	11.40	10.40	0.00
10/30/2012 0:15	9.40	9.10	11.40	10.10	0.00
10/30/2012 0:30	11.30	10.00	9.40	9.20	2.10
10/30/2012 0:45	9.40	8.90	11.30	10.20	0.00
10/30/2012 1:00	9.30	9.00	11.60	10.20	0.00
10/30/2012 1:15	9.40	9.10	11.50	10.20	0.00
10/30/2012 1:30	11.20	10.10	9.70	9.50	1.70
10/30/2012 1:45	11.30	10.20	9.30	9.00	2.30
10/30/2012 2:00	11.10	10.00	9.00	8.40	2.70
10/30/2012 2:15	8.80	8.50	10.70	9.70	0.00
10/30/2012 2:30	8.80	8.70	10.60	9.70	0.00
10/30/2012 2:45	10.40	9.50	8.70	8.30	2.10
10/30/2012 3:00	10.50	9.30	8.40	8.10	2.40
10/30/2012 3:15	10.20	9.30	8.10	8.30	2.10
10/30/2012 3:30	10.20	9.10	8.20	8.10	2.10
10/30/2012 3:45	10.10	8.90	8.50	8.40	1.70
10/30/2012 4:00	10.20	8.90	8.20	8.10	2.10
10/30/2012 4:15	10.40	9.00	7.70	7.90	2.70
10/30/2012 4:30	7.50	7.60	10.30	9.00	0.00
10/30/2012 4:45	7.30	7.40	10.00	8.90	0.00
10/30/2012 5:00	7.30	7.60	10.80	9.70	0.00
10/30/2012 5:15	10.40	9.40	7.30	7.60	3.10
10/30/2012 5:30	10.50	9.30	7.10	7.30	3.40
10/30/2012 5:45	9.90	9.00	6.80	7.20	3.10
10/30/2012 6:00	10.00	9.10	7.30	7.60	2.70
10/30/2012 6:15	9.90	8.90	6.90	7.60	3.00
10/30/2012 6:30	9.90	8.80	7.10	7.60	2.80
10/30/2012 6:45	7.00	7.70	9.90	8.80	0.00
10/30/2012 7:00	7.20	7.60	9.90	8.90	0.00
10/30/2012 7:15	10.20	9.20	7.10	7.80	3.10
10/30/2012 7:30	10.50	9.40	7.20	7.80	3.30
10/30/2012 7:45	7.20	7.40	10.40	9.30	0.00
10/30/2012 8:00	7.30	7.40	10.00	9.10	0.00
10/30/2012 8:15	7.40	7.40	9.90	9.10	0.00
10/30/2012 8:30	7.70	7.70	10.30	9.40	0.00
10/30/2012 8:45	9.70	8.70	7.30	7.90	2.40
10/30/2012 9:00	7.70	8.80	9.70	8.70	0.10
10/30/2012 9:15	8.10	8.60	9.80	8.70	0.00
10/30/2012 9:30	10.40	9.20	8.10	8.40	2.30
10/30/2012 9:45	10.20	9.30	8.00	8.90	2.20
10/30/2012 10:00	7.80	8.50	10.10	9.00	0.00
10/30/2012 10:15	7.40	7.60	9.90	9.00	0.00
10/30/2012 10:30	7.90	8.70	9.60	8.70	0.00
10/30/2012 10:45	7.90	8.40	9.50	8.60	0.00
10/30/2012 11:00	10.00	9.10	7.90	8.50	2.10
10/30/2012 11:15	10.40	9.10	7.80	8.50	2.60
10/30/2012 11:30	8.00	8.80	11.10	9.60	0.00
10/30/2012 11:45	7.70	8.00	10.50	9.10	0.00
10/30/2012 12:00	7.90	8.20	9.60	8.80	0.00
10/30/2012 12:15	11.10	9.50	8.20	8.00	3.10
10/30/2012 12:30	8.40	8.70	13.10	11.10	0.00
10/30/2012 12:45	10.50	9.20	8.20	8.30	2.30



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/30/2012 13:00	10.30	9.50	7.80	8.40	2.50
10/30/2012 13:15	10.00	8.80	7.80	8.70	2.20
10/30/2012 13:30	7.80	8.00	10.70	8.80	0.00
10/30/2012 13:45	7.60	8.10	10.00	8.80	0.00
10/30/2012 14:00	9.20	8.20	7.90	8.40	1.30
10/30/2012 14:15	9.80	8.50	7.60	8.00	2.20
10/30/2012 14:30	10.40	8.90	7.60	8.40	2.80
10/30/2012 14:45	7.70	8.90	9.60	8.50	0.40
10/30/2012 15:00	7.80	8.10	9.20	8.20	0.00
10/30/2012 15:15	7.80	8.10	9.20	8.20	0.00
10/30/2012 15:30	7.80	7.80	9.10	8.30	0.00
10/30/2012 15:45	9.50	8.20	7.80	8.00	1.70
10/30/2012 16:00	7.60	7.90	8.90	7.90	0.00
10/30/2012 16:15	7.80	8.10	9.00	7.70	0.40
10/30/2012 16:30	7.50	7.80	9.40	8.10	0.00
10/30/2012 16:45	7.50	7.60	9.20	8.20	0.00
10/30/2012 17:00	8.70	7.70	8.00	8.10	0.70
10/30/2012 17:15	8.70	7.60	8.00	8.30	0.70
10/30/2012 17:30	8.10	8.10	8.70	7.50	0.00
10/30/2012 17:45	8.10	8.20	9.00	7.90	0.30
10/30/2012 18:00	8.20	8.20	8.20	7.30	0.90
10/30/2012 18:15	8.60	7.50	8.00	8.00	0.60
10/30/2012 18:30	8.80	8.50	9.20	8.20	0.60
10/30/2012 18:45	9.30	7.90	8.20	8.10	1.20
10/30/2012 19:00	8.20	7.30	8.10	7.80	0.40
10/30/2012 19:15	8.60	7.70	8.30	8.30	0.30
10/30/2012 19:30	8.20	8.30	8.80	8.00	0.30
10/30/2012 19:45	8.50	7.40	7.70	7.90	0.80
10/30/2012 20:00	7.60	8.00	8.50	7.60	0.40
10/30/2012 20:15	8.50	7.50	7.90	8.50	0.60
10/30/2012 20:30	7.50	7.90	8.60	7.50	0.00
10/30/2012 20:45	7.60	7.40	8.40	7.50	0.10
10/30/2012 21:00	7.90	7.00	7.50	7.30	0.60
10/30/2012 21:15	7.70	6.80	7.30	7.60	0.40
10/30/2012 21:30	7.30	7.50	8.40	7.30	0.00
10/30/2012 21:45	7.10	7.40	8.30	7.40	0.00
10/30/2012 22:00	7.00	7.10	8.00	7.00	0.10
10/30/2012 22:15	8.00	6.80	6.90	7.20	1.10
10/30/2012 22:30	8.20	7.00	7.20	7.70	1.00
10/30/2012 22:45	8.30	7.40	6.80	7.20	1.50
10/30/2012 23:00	6.60	7.00	8.00	7.20	0.00
10/30/2012 23:15	8.10	7.00	6.70	7.50	1.40
10/30/2012 23:30	6.60	7.10	8.00	7.00	0.10
10/30/2012 23:45	7.70	6.80	6.60	7.20	1.10
10/31/2012 0:00	8.00	6.90	6.80	7.40	1.20
10/31/2012 0:15	8.00	6.70	6.70	7.10	1.30
10/31/2012 0:30	7.80	7.00	6.80	7.40	1.00
10/31/2012 0:45	6.80	7.30	7.70	6.80	0.50
10/31/2012 1:00	7.20	6.50	6.50	7.10	0.70
10/31/2012 1:15	7.30	6.50	6.50	6.90	0.80
10/31/2012 1:30	7.40	6.60	6.50	6.80	0.90
10/31/2012 1:45	6.60	6.90	7.50	6.70	0.20
10/31/2012 2:00	7.20	6.20	6.60	6.40	0.80
10/31/2012 2:15	6.50	6.40	7.30	6.20	0.30
10/31/2012 2:30	7.10	6.30	6.50	6.90	0.60
10/31/2012 2:45	6.20	6.80	7.90	6.40	0.40
10/31/2012 3:00	6.30	6.50	7.30	6.40	0.10
10/31/2012 3:15	6.40	6.20	7.10	6.30	0.00
10/31/2012 3:30	6.00	6.70	7.20	6.40	0.30
10/31/2012 3:45	7.00	6.10	6.20	6.70	0.80
10/31/2012 4:00	6.10	6.70	6.90	6.00	0.70
10/31/2012 4:15	5.90	6.70	6.90	6.20	0.50
10/31/2012 4:30	6.10	6.80	6.70	6.00	0.80
10/31/2012 4:45	5.90	6.90	6.70	5.80	1.10
10/31/2012 5:00	5.90	6.70	6.80	6.00	0.70
10/31/2012 5:15	6.60	5.80	6.20	7.20	0.40
10/31/2012 5:30	6.70	5.70	6.10	6.90	0.60
10/31/2012 5:45	6.10	6.70	6.60	5.80	0.90
10/31/2012 6:00	6.30	7.20	6.80	6.00	1.20
10/31/2012 6:15	6.10	6.50	6.50	5.70	0.80
10/31/2012 6:30	5.90	7.20	6.40	5.80	0.00
10/31/2012 6:45	5.80	6.80	6.60	5.80	1.00
10/31/2012 7:00	6.40	5.60	5.80	6.20	0.60
10/31/2012 7:15	6.30	5.50	5.60	6.40	0.70
10/31/2012 7:30	5.70	7.80	6.60	5.60	2.20
10/31/2012 7:45	6.40	5.60	6.20	7.30	0.20
10/31/2012 8:00	6.50	5.60	6.20	7.20	0.30
10/31/2012 8:15	6.60	5.60	6.10	6.50	0.50
10/31/2012 8:30	6.10	9.10	6.80	5.60	3.50
10/31/2012 8:45	6.50	5.50	6.00	8.60	0.50
10/31/2012 9:00	6.50	5.60	6.90	9.60	0.00
10/31/2012 9:15	6.40	5.50	6.90	8.60	0.00
10/31/2012 9:30	6.40	5.70	6.80	9.60	0.00
10/31/2012 9:45	6.00	5.40	7.10	9.70	0.00
10/31/2012 10:00	6.30	5.40	7.60	10.40	0.00
10/31/2012 10:15	6.10	4.90	6.70	10.90	0.00
10/31/2012 10:30	6.40	4.80	6.40	9.10	0.00
10/31/2012 10:45	6.50	5.10	6.40	10.50	0.10
10/31/2012 11:00	6.50	4.90	6.70	11.00	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
10/31/2012 11:15	6.90	5.30	6.00	10.60	0.90
10/31/2012 11:30	7.20	10.80	6.70	5.20	5.60
10/31/2012 11:45	6.70	5.10	6.70	10.70	0.00
10/31/2012 12:00	6.90	5.00	6.70	9.20	0.20
10/31/2012 12:15	6.50	10.70	6.70	5.10	5.60
10/31/2012 12:30	6.60	11.30	6.70	4.90	6.40
10/31/2012 12:45	6.60	4.90	9.00	11.80	0.00
10/31/2012 13:00	6.30	4.90	7.10	11.20	0.00
10/31/2012 13:15	6.40	4.70	9.90	12.10	0.00
10/31/2012 13:30	6.50	4.90	6.50	11.10	0.00
10/31/2012 13:45	6.50	4.80	7.30	10.10	0.00
10/31/2012 14:00	6.30	4.70	7.00	8.90	0.00
10/31/2012 14:15	6.30	4.70	7.00	8.40	0.00
10/31/2012 14:30	6.80	5.10	7.20	9.20	0.00
10/31/2012 14:45	6.10	5.00	8.70	11.00	0.00
10/31/2012 15:00	6.20	4.70	10.60	11.20	0.00
10/31/2012 15:15	6.10	4.70	10.20	10.80	0.00
10/31/2012 15:30	6.50	4.80	12.60	14.10	0.00
10/31/2012 15:45	6.00	5.00	12.50	13.60	0.00
10/31/2012 16:00	5.80	4.90	9.60	11.30	0.00
10/31/2012 16:15	6.10	4.80	10.50	11.60	0.00
10/31/2012 16:30	8.90	11.10	6.50	4.80	6.30
10/31/2012 16:45	9.60	11.70	6.40	4.80	6.90
10/31/2012 17:00	6.20	4.90	9.20	11.60	0.00
10/31/2012 17:15	9.50	10.40	6.20	5.30	5.10
10/31/2012 17:30	10.60	11.40	6.10	5.00	6.40
10/31/2012 17:45	8.90	10.00	6.10	5.00	5.00
10/31/2012 18:00	6.40	5.30	9.20	10.20	0.00
10/31/2012 18:15	6.20	5.10	8.50	9.10	0.00
10/31/2012 18:30	6.10	5.20	8.90	10.30	0.00
10/31/2012 18:45	6.40	5.00	8.30	9.30	0.00
10/31/2012 19:00	6.30	5.20	9.80	9.50	0.00
10/31/2012 19:15	9.10	9.30	6.40	5.10	4.20
10/31/2012 19:30	6.30	5.10	7.40	8.60	0.00
10/31/2012 19:45	6.40	5.00	7.30	9.00	0.00
10/31/2012 20:00	6.50	5.00	8.20	8.00	0.00
10/31/2012 20:15	6.50	5.30	8.40	8.00	0.00
10/31/2012 20:30	6.60	5.20	7.40	9.20	0.00
10/31/2012 20:45	7.90	8.20	7.00	5.30	2.90
10/31/2012 21:00	7.60	9.00	7.30	5.40	0.00
10/31/2012 21:15	8.20	9.10	7.40	5.50	3.60
10/31/2012 21:30	8.30	9.10	6.70	5.30	3.80
10/31/2012 21:45	7.20	5.10	7.20	8.30	0.00
10/31/2012 22:00	7.70	7.70	6.90	5.20	2.50
10/31/2012 22:15	7.20	8.00	6.60	5.10	2.90
10/31/2012 22:30	7.10	7.70	6.70	5.30	2.40
10/31/2012 22:45	6.80	5.20	6.70	7.80	0.10
10/31/2012 23:00	6.70	7.50	6.40	5.30	2.20
10/31/2012 23:15	6.70	7.30	6.50	5.20	2.10
10/31/2012 23:30	6.70	7.70	6.40	5.30	2.40
10/31/2012 23:45	6.50	4.90	6.70	7.20	0.00
11/1/2012 0:00	7.00	6.60	6.10	4.80	2.20
11/1/2012 0:15	6.90	5.00	6.30	7.20	0.60
11/1/2012 0:30	6.40	7.30	6.10	5.10	2.20
11/1/2012 0:45	6.20	4.80	6.20	6.70	0.00
11/1/2012 1:00	6.50	6.90	6.20	4.80	2.10
11/1/2012 1:15	6.50	6.80	6.20	5.00	1.80
11/1/2012 1:30	6.20	7.00	6.50	5.20	1.80
11/1/2012 1:45	5.90	6.60	6.30	5.00	1.60
11/1/2012 2:00	6.10	6.60	6.60	5.00	1.60
11/1/2012 2:15	5.90	6.50	6.30	5.00	1.50
11/1/2012 2:30	6.20	6.50	6.30	5.40	1.10
11/1/2012 2:45	5.80	6.50	5.90	5.10	1.40
11/1/2012 3:00	6.60	4.90	5.90	6.70	0.70
11/1/2012 3:15	6.00	6.40	6.40	5.30	1.10
11/1/2012 3:30	6.10	4.90	6.10	6.60	0.00
11/1/2012 3:45	5.80	6.10	6.80	5.00	1.10
11/1/2012 4:00	6.30	5.40	5.70	6.40	0.60
11/1/2012 4:15	6.10	4.70	6.00	6.10	0.10
11/1/2012 4:30	5.70	5.90	6.30	5.70	0.20
11/1/2012 4:45	5.70	6.00	6.10	5.10	0.90
11/1/2012 5:00	6.00	6.30	6.00	4.80	1.50
11/1/2012 5:15	6.20	5.30	5.80	6.00	0.40
11/1/2012 5:30	5.50	5.90	6.60	5.40	0.50
11/1/2012 5:45	5.60	6.10	6.10	4.90	1.20
11/1/2012 6:00	6.00	5.60	5.60	6.00	0.40
11/1/2012 6:15	5.90	5.00	5.50	5.70	0.40
11/1/2012 6:30	6.10	5.30	5.80	5.20	0.90
11/1/2012 6:45	5.80	5.00	5.70	6.00	0.10
11/1/2012 7:00	6.10	4.70	5.60	5.50	0.60
11/1/2012 7:15	5.70	6.80	5.70	4.90	1.90
11/1/2012 7:30	5.80	4.90	6.00	7.50	0.00
11/1/2012 7:45	5.50	4.90	5.80	7.70	0.00
11/1/2012 8:00	5.60	6.50	5.80	5.50	1.00
11/1/2012 8:15	5.60	6.70	5.60	5.10	1.60
11/1/2012 8:30	5.30	8.30	6.40	5.10	3.20
11/1/2012 8:45	5.40	7.70	5.70	4.50	3.20
11/1/2012 9:00	5.80	8.50	5.80	4.90	3.60
11/1/2012 9:15	5.60	4.90	6.70	8.60	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/1/2012 9:30	6.10	9.40	5.80	5.00	4.40
11/1/2012 9:45	6.30	7.90	5.90	5.00	2.90
11/1/2012 10:00	6.80	8.50	6.60	4.90	3.60
11/1/2012 10:15	10.30	14.80	6.00	4.70	10.10
11/1/2012 10:30	6.40	11.30	6.00	5.30	6.00
11/1/2012 10:45	5.90	5.20	8.70	9.00	0.00
11/1/2012 11:00	6.20	4.80	7.60	9.20	0.00
11/1/2012 11:15	5.90	4.80	8.00	9.80	0.00
11/1/2012 11:30	5.80	4.80	7.50	10.10	0.00
11/1/2012 11:45	6.70	10.30	6.00	5.00	0.00
11/1/2012 12:00	5.60	5.00	7.50	10.10	0.00
11/1/2012 12:15	5.90	5.20	6.80	10.30	0.00
11/1/2012 12:30	5.70	5.10	6.20	8.80	0.00
11/1/2012 12:45	6.70	10.90	5.60	4.80	6.10
11/1/2012 13:00	5.60	4.80	7.60	9.50	0.00
11/1/2012 13:15	5.60	4.50	6.80	10.20	0.00
11/1/2012 13:30	6.20	9.50	5.70	4.80	4.70
11/1/2012 13:45	6.60	17.70	5.70	4.80	12.90
11/1/2012 14:00	5.40	4.60	6.90	13.70	0.00
11/1/2012 14:15	5.50	4.60	6.40	10.60	0.00
11/1/2012 14:30	5.60	4.90	6.10	10.30	0.00
11/1/2012 14:45	6.80	9.80	5.80	5.00	4.80
11/1/2012 15:00	6.60	9.30	5.70	5.10	4.20
11/1/2012 15:15	6.80	7.80	5.50	5.00	2.80
11/1/2012 15:30	6.00	7.30	5.60	4.40	2.90
11/1/2012 15:45	6.30	8.90	5.70	4.50	4.40
11/1/2012 16:00	6.10	8.30	5.50	5.00	3.30
11/1/2012 16:15	5.70	4.80	6.40	8.40	0.00
11/1/2012 16:30	5.80	4.70	6.60	8.80	0.00
11/1/2012 16:45	5.60	4.50	6.40	8.90	0.00
11/1/2012 17:00	6.50	8.40	5.60	4.50	3.90
11/1/2012 17:15	6.50	8.30	5.40	4.90	3.40
11/1/2012 17:30	5.40	4.80	12.30	13.60	0.00
11/1/2012 17:45	5.70	4.60	7.00	9.70	0.00
11/1/2012 18:00	8.80	8.90	8.30	5.10	3.80
11/1/2012 18:15	6.00	5.70	10.50	14.00	0.00
11/1/2012 18:30	5.60	5.50	11.80	13.00	0.00
11/1/2012 18:45	6.10	5.90	9.10	14.10	0.00
11/1/2012 19:00	7.60	5.60	7.60	11.80	0.00
11/1/2012 19:15	9.90	12.40	6.00	4.80	7.60
11/1/2012 19:30	12.90	13.80	5.70	5.10	8.70
11/1/2012 19:45	9.80	12.40	7.80	5.00	7.40
11/1/2012 20:00	8.80	11.40	9.50	6.10	5.30
11/1/2012 20:15	9.40	12.20	6.90	5.70	6.50
11/1/2012 20:30	11.20	12.60	6.70	5.50	7.10
11/1/2012 20:45	11.80	13.30	8.20	6.10	7.20
11/1/2012 21:00	10.70	11.20	9.70	6.20	5.00
11/1/2012 21:15	10.50	10.40	7.10	5.80	4.70
11/1/2012 21:30	6.80	5.90	10.50	10.40	0.00
11/1/2012 21:45	10.10	9.40	6.20	5.40	4.70
11/1/2012 22:00	8.40	5.80	9.40	9.60	0.00
11/1/2012 22:15	7.40	6.00	9.90	9.20	0.00
11/1/2012 22:30	6.50	5.60	9.10	9.90	0.00
11/1/2012 22:45	7.90	5.60	9.80	9.90	0.00
11/1/2012 23:00	9.00	9.60	7.20	5.40	0.00
11/1/2012 23:15	7.90	9.70	7.10	5.80	3.90
11/1/2012 23:30	6.60	6.00	10.10	9.80	0.00
11/1/2012 23:45	6.50	6.00	8.60	9.30	0.00
11/2/2012 0:00	7.10	5.30	8.20	9.50	0.00
11/2/2012 0:15	8.70	9.60	7.80	6.00	3.60
11/2/2012 0:30	6.60	5.80	9.70	9.80	0.00
11/2/2012 0:45	8.30	8.90	6.60	5.50	3.40
11/2/2012 1:00	8.70	9.10	7.40	5.60	3.50
11/2/2012 1:15	8.30	9.30	8.00	6.20	3.10
11/2/2012 1:30	8.70	8.70	6.70	5.50	3.20
11/2/2012 1:45	8.30	8.80	7.70	5.40	3.40
11/2/2012 2:00	7.60	5.50	8.50	9.20	0.00
11/2/2012 2:15	8.40	8.50	7.80	5.30	3.20
11/2/2012 2:30	7.40	5.40	8.20	8.30	0.00
11/2/2012 2:45	8.00	8.20	7.40	5.60	2.60
11/2/2012 3:00	7.40	5.20	8.20	8.10	0.00
11/2/2012 3:15	7.40	8.20	6.60	5.30	2.90
11/2/2012 3:30	8.00	8.20	6.70	5.40	2.80
11/2/2012 3:45	7.50	7.90	6.60	5.50	2.40
11/2/2012 4:00	7.80	7.90	6.20	5.40	2.50
11/2/2012 4:15	7.50	8.00	6.80	5.30	2.70
11/2/2012 4:30	8.00	7.60	7.10	5.60	2.40
11/2/2012 4:45	7.30	7.50	6.70	5.80	1.70
11/2/2012 5:00	7.50	7.60	6.70	5.80	1.80
11/2/2012 5:15	6.80	7.20	6.10	5.90	1.30
11/2/2012 5:30	7.20	7.40	6.40	5.60	1.80
11/2/2012 5:45	7.00	5.30	7.10	7.10	0.00
11/2/2012 6:00	7.30	7.20	6.80	5.60	1.70
11/2/2012 6:15	6.90	6.70	7.20	6.00	0.90
11/2/2012 6:30	6.70	7.00	6.30	5.60	1.40
11/2/2012 6:45	6.40	5.60	6.70	6.70	0.00
11/2/2012 7:00	6.80	5.20	7.30	7.40	0.00
11/2/2012 7:15	6.60	6.00	7.30	7.60	0.00
11/2/2012 7:30	6.80	5.90	6.70	7.30	0.10



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/2/2012 7:45	13.20	8.50	6.60	5.50	7.70
11/2/2012 8:00	7.00	5.90	10.90	10.60	0.00
11/2/2012 8:15	6.50	5.70	10.80	11.30	0.00
11/2/2012 8:30	6.50	5.70	9.80	10.90	0.00
11/2/2012 8:45	6.60	6.00	10.30	9.80	0.00
11/2/2012 9:00	6.70	5.90	9.30	10.30	0.00
11/2/2012 9:15	8.00	9.30	6.50	5.70	3.60
11/2/2012 9:30	6.50	5.60	7.90	8.40	0.00
11/2/2012 9:45	6.30	6.10	8.40	8.90	0.00
11/2/2012 10:00	6.60	5.10	8.30	8.60	0.00
11/2/2012 10:15	6.60	5.80	9.30	9.70	0.00
11/2/2012 10:30	6.60	5.70	8.40	10.00	0.00
11/2/2012 10:45	7.20	5.40	7.80	9.30	0.00
11/2/2012 11:00	8.60	11.00	6.90	5.30	5.70
11/2/2012 11:15	11.20	9.20	6.60	5.80	5.40
11/2/2012 11:30	6.60	5.40	7.70	9.70	0.00
11/2/2012 11:45	6.80	5.20	7.90	9.20	0.00
11/2/2012 12:00	7.00	5.40	8.70	9.50	0.00
11/2/2012 12:15	9.00	9.20	7.00	5.30	3.90
11/2/2012 12:30	8.30	9.00	7.00	5.50	3.50
11/2/2012 12:45	6.40	5.50	8.10	8.90	0.00
11/2/2012 13:00	8.40	9.40	6.50	5.40	4.00
11/2/2012 13:15	8.20	9.60	6.50	5.30	4.30
11/2/2012 13:30	6.80	5.50	8.20	7.80	0.00
11/2/2012 13:45	7.40	8.20	6.90	5.50	2.70
11/2/2012 14:00	9.80	8.40	6.30	5.60	4.20
11/2/2012 14:15	6.30	5.50	17.60	10.40	0.00
11/2/2012 14:30	19.00	11.60	6.70	5.50	13.50
11/2/2012 14:45	6.80	5.40	18.80	13.50	0.00
11/2/2012 15:00	6.40	6.20	17.40	14.20	0.00
11/2/2012 15:15	13.10	13.40	6.90	5.40	8.00
11/2/2012 15:30	14.60	15.10	7.80	5.60	9.50
11/2/2012 15:45	7.00	5.60	14.30	16.00	0.00
11/2/2012 16:00	7.20	5.80	15.10	15.60	0.00
11/2/2012 16:15	6.70	5.50	10.50	14.60	0.00
11/2/2012 16:30	7.20	6.10	13.90	15.00	0.00
11/2/2012 16:45	7.20	6.20	17.50	16.60	0.00
11/2/2012 17:00	7.80	6.30	13.20	15.90	0.00
11/2/2012 17:15	8.70	6.60	12.10	13.70	0.00
11/2/2012 17:30	7.80	5.70	12.90	15.00	0.00
11/2/2012 17:45	7.40	5.60	13.20	14.40	0.00
11/2/2012 18:00	6.20	5.70	12.20	13.60	0.00
11/2/2012 18:15	6.10	6.00	11.90	12.00	0.00
11/2/2012 18:30	6.50	5.80	13.20	12.20	0.00
11/2/2012 18:45	8.20	6.00	12.00	12.50	0.00
11/2/2012 19:00	10.30	12.00	7.20	6.10	5.90
11/2/2012 19:15	7.10	6.10	11.20	11.60	0.00
11/2/2012 19:30	7.30	5.80	11.10	11.50	0.00
11/2/2012 19:45	7.50	5.90	11.10	11.30	0.00
11/2/2012 20:00	7.60	6.00	10.70	11.20	0.00
11/2/2012 20:15	7.40	5.80	10.60	9.80	0.00
11/2/2012 20:30	6.70	6.10	10.50	10.60	0.00
11/2/2012 20:45	8.90	6.30	9.30	10.30	0.00
11/2/2012 21:00	6.90	5.80	9.60	10.10	0.00
11/2/2012 21:15	6.80	5.80	10.40	10.20	0.00
11/2/2012 21:30	10.10	10.50	8.00	6.00	0.00
11/2/2012 21:45	8.00	5.80	8.90	9.60	0.00
11/2/2012 22:00	7.30	5.80	10.80	9.30	0.00
11/2/2012 22:15	7.50	5.60	9.40	8.80	0.00
11/2/2012 22:30	7.90	5.80	8.50	8.80	0.00
11/2/2012 22:45	8.30	8.60	8.50	5.90	0.00
11/2/2012 23:00	7.30	5.70	8.80	8.50	0.00
11/2/2012 23:15	7.80	6.00	8.00	8.10	0.00
11/2/2012 23:30	8.30	8.40	8.30	6.20	2.20
11/2/2012 23:45	8.00	8.30	7.50	5.80	2.50
11/3/2012 0:00	7.20	5.70	8.50	7.70	0.00
11/3/2012 0:15	8.00	6.20	8.30	7.90	0.10
11/3/2012 0:30	7.80	6.10	7.80	8.20	0.00
11/3/2012 0:45	7.50	6.00	8.10	8.20	0.00
11/3/2012 1:00	7.50	5.80	7.20	7.70	0.30
11/3/2012 1:15	7.90	7.60	7.30	5.90	2.00
11/3/2012 1:30	7.60	5.80	7.40	7.10	0.50
11/3/2012 1:45	7.40	5.70	7.30	7.90	0.10
11/3/2012 2:00	7.10	5.80	7.40	7.20	0.00
11/3/2012 2:15	7.10	7.50	7.70	6.10	1.40
11/3/2012 2:30	7.50	7.90	7.50	6.00	1.90
11/3/2012 2:45	7.30	7.80	7.20	6.00	1.80
11/3/2012 3:00	7.60	5.80	7.50	7.90	0.10
11/3/2012 3:15	7.60	6.30	7.30	7.30	0.30
11/3/2012 3:30	7.10	6.30	7.50	7.50	0.00
11/3/2012 3:45	7.50	5.90	7.40	7.20	0.30
11/3/2012 4:00	7.60	5.70	8.60	7.70	0.00
11/3/2012 4:15	7.40	5.70	7.80	7.50	0.00
11/3/2012 4:30	7.10	6.10	7.10	7.50	0.00
11/3/2012 4:45	7.40	5.80	8.10	7.40	0.00
11/3/2012 5:00	7.30	5.70	7.50	7.50	0.00
11/3/2012 5:15	7.20	5.40	7.60	7.30	0.00
11/3/2012 5:30	7.60	5.80	8.50	7.70	0.00
11/3/2012 5:45	9.00	7.30	7.50	6.00	3.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/3/2012 6:00	8.00	7.60	7.20	6.20	1.80
11/3/2012 6:15	7.50	6.20	8.60	7.90	0.00
11/3/2012 6:30	7.70	5.60	7.90	7.70	0.00
11/3/2012 6:45	7.60	5.90	8.40	7.50	0.10
11/3/2012 7:00	7.70	5.80	8.00	7.60	0.10
11/3/2012 7:15	7.20	5.80	7.60	7.70	0.00
11/3/2012 7:30	7.40	6.30	8.40	9.10	0.00
11/3/2012 7:45	7.50	6.10	7.80	9.00	0.00
11/3/2012 8:00	7.70	6.30	8.00	8.00	0.00
11/3/2012 8:15	7.10	5.30	8.80	9.60	0.00
11/3/2012 8:30	7.50	6.10	7.80	8.20	0.00
11/3/2012 8:45	7.10	5.80	11.30	9.20	0.00
11/3/2012 9:00	7.40	5.90	8.00	9.00	0.00
11/3/2012 9:15	7.30	5.90	8.10	9.70	0.00
11/3/2012 9:30	7.60	5.80	10.20	8.90	0.00
11/3/2012 9:45	7.20	5.50	8.20	8.70	0.00
11/3/2012 10:00	7.60	5.80	9.10	9.50	0.00
11/3/2012 10:15	8.40	8.40	7.20	5.60	2.80
11/3/2012 10:30	7.40	5.90	8.50	10.00	0.00
11/3/2012 10:45	7.70	6.10	11.20	9.00	0.00
11/3/2012 11:00	7.30	5.90	8.00	8.30	0.00
11/3/2012 11:15	8.60	9.80	7.20	5.70	4.10
11/3/2012 11:30	8.10	8.90	7.20	5.80	0.00
11/3/2012 11:45	7.80	5.60	8.40	8.50	0.00
11/3/2012 12:00	7.30	5.90	8.30	9.30	0.00
11/3/2012 12:15	7.00	5.90	8.80	8.70	0.00
11/3/2012 12:30	7.20	5.70	7.40	10.30	0.00
11/3/2012 12:45	7.50	5.60	7.60	8.80	0.00
11/3/2012 13:00	7.90	8.60	7.90	5.80	2.80
11/3/2012 13:15	7.40	5.60	7.90	8.70	0.00
11/3/2012 13:30	7.40	5.70	7.90	8.70	0.00
11/3/2012 13:45	6.90	5.50	7.50	10.00	0.00
11/3/2012 14:00	7.30	5.50	7.30	9.10	0.00
11/3/2012 14:15	6.90	5.60	7.60	8.40	0.00
11/3/2012 14:30	7.10	5.70	7.80	8.90	0.00
11/3/2012 14:45	7.60	5.60	7.40	9.10	0.20
11/3/2012 15:00	7.60	5.70	7.30	8.30	0.30
11/3/2012 15:15	7.20	5.70	7.40	9.20	0.00
11/3/2012 15:30	7.20	5.70	7.00	7.40	0.20
11/3/2012 15:45	7.30	5.60	7.30	8.50	0.00
11/3/2012 16:00	7.30	5.70	7.60	8.20	0.00
11/3/2012 16:15	7.90	8.80	7.10	5.70	3.10
11/3/2012 16:30	7.10	5.50	7.10	8.00	0.00
11/3/2012 16:45	7.00	5.40	6.90	7.90	0.10
11/3/2012 17:00	7.00	5.50	7.10	8.10	0.00
11/3/2012 17:15	7.60	5.60	7.40	9.60	0.20
11/3/2012 17:30	7.70	9.50	7.40	5.70	3.80
11/3/2012 17:45	7.40	5.50	7.50	9.10	0.00
11/3/2012 18:00	7.50	9.00	7.10	5.60	3.40
11/3/2012 18:15	7.30	9.20	7.20	5.80	3.40
11/3/2012 18:30	7.80	6.20	7.60	9.10	0.20
11/3/2012 18:45	7.10	5.70	7.40	8.20	0.00
11/3/2012 19:00	7.80	6.00	7.60	8.90	0.20
11/3/2012 19:15	7.50	8.60	8.10	6.20	2.40
11/3/2012 19:30	7.20	6.10	7.90	8.30	0.00
11/3/2012 19:45	7.30	6.50	7.30	9.60	0.00
11/3/2012 20:00	8.00	5.80	7.50	9.10	0.50
11/3/2012 20:15	7.80	9.00	8.10	6.30	2.70
11/3/2012 20:30	7.80	6.30	7.40	8.90	0.40
11/3/2012 20:45	7.90	6.10	7.20	8.10	0.70
11/3/2012 21:00	7.50	8.10	7.50	5.90	2.20
11/3/2012 21:15	7.80	6.10	7.50	8.90	0.30
11/3/2012 21:30	7.10	6.00	7.50	9.00	0.00
11/3/2012 21:45	7.60	6.20	7.60	9.60	0.00
11/3/2012 22:00	7.50	5.60	7.20	7.60	0.30
11/3/2012 22:15	7.20	8.20	7.80	6.10	2.10
11/3/2012 22:30	7.30	8.50	7.60	6.10	2.40
11/3/2012 22:45	7.20	6.20	7.50	7.60	0.00
11/3/2012 23:00	7.60	5.80	7.10	13.00	0.50
11/3/2012 23:15	7.70	6.20	7.30	8.00	0.40
11/3/2012 23:30	7.70	8.70	7.90	6.30	2.40
11/3/2012 23:45	6.90	5.90	7.10	8.50	0.00
11/4/2012 0:00	7.30	5.90	7.00	14.30	0.30
11/4/2012 0:15	7.40	6.00	7.40	8.10	0.00
11/4/2012 0:30	7.20	5.80	7.60	9.50	0.00
11/4/2012 0:45	6.90	5.60	6.90	7.90	0.00
11/4/2012 1:00	7.20	5.80	7.20	9.30	0.00
11/4/2012 1:15	7.80	5.80	7.40	7.80	0.40
11/4/2012 1:30	7.00	6.10	7.30	8.70	0.00
11/4/2012 1:45	7.10	5.90	7.30	8.40	0.00
11/4/2012 2:00	7.40	5.90	7.00	8.40	0.40
11/4/2012 2:15	7.50	6.20	7.10	8.10	0.40
11/4/2012 2:30	7.30	9.30	7.00	6.20	3.10
11/4/2012 2:45	6.80	8.10	7.00	6.10	2.00
11/4/2012 3:00	7.40	6.10	7.00	19.60	0.40
11/4/2012 3:15	7.40	6.30	7.10	7.90	0.30
11/4/2012 3:30	7.10	9.60	7.50	6.20	3.40
11/4/2012 3:45	7.00	6.20	7.50	7.90	0.00
11/4/2012 4:00	6.90	5.80	7.30	8.30	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/4/2012 4:15	7.10	5.80	6.80	9.20	0.30
11/4/2012 4:30	7.30	8.90	7.30	5.80	3.10
11/4/2012 4:45	7.20	8.20	7.20	6.60	1.60
11/4/2012 5:00	7.40	24.30	7.10	6.00	18.30
11/4/2012 5:15	7.00	9.20	7.00	6.70	2.50
11/4/2012 5:30	7.30	8.60	7.40	5.60	3.00
11/4/2012 5:45	7.00	10.90	7.30	5.90	5.00
11/4/2012 6:00	7.10	6.20	7.00	12.10	0.10
11/4/2012 6:15	7.10	12.70	7.40	6.30	6.40
11/4/2012 6:30	7.20	10.20	7.30	5.90	4.30
11/4/2012 6:45	7.40	6.10	7.40	10.70	0.00
11/4/2012 7:00	7.40	5.70	6.80	9.40	0.60
11/4/2012 7:15	6.80	5.80	6.90	13.40	0.00
11/4/2012 7:30	7.40	9.40	7.20	5.70	3.70
11/4/2012 7:45	7.10	10.20	7.10	5.70	4.50
11/4/2012 8:00	7.20	5.70	7.50	15.90	0.00
11/4/2012 8:15	7.30	13.10	7.50	5.80	7.30
11/4/2012 8:30	7.30	6.10	7.30	15.20	0.00
11/4/2012 8:45	7.00	5.70	7.60	10.20	0.00
11/4/2012 9:00	7.00	5.70	7.40	9.80	0.00
11/4/2012 9:15	7.30	5.50	7.40	8.90	0.00
11/4/2012 9:30	7.50	12.10	7.50	5.80	6.30
11/4/2012 9:45	7.80	13.50	7.20	5.90	7.60
11/4/2012 10:00	7.20	5.70	7.30	11.90	0.00
11/4/2012 10:15	7.50	9.30	7.50	5.90	3.40
11/4/2012 10:30	7.50	12.90	7.10	5.60	7.30
11/4/2012 10:45	7.10	5.40	7.40	10.60	0.00
11/4/2012 11:00	7.50	11.60	7.30	5.80	5.80
11/4/2012 11:15	7.40	10.60	7.00	5.70	4.90
11/4/2012 11:30	6.90	5.80	7.50	13.50	0.00
11/4/2012 11:45	7.00	5.60	7.40	17.60	0.00
11/4/2012 12:00	7.40	5.50	7.40	16.90	0.00
11/4/2012 12:15	7.80	16.70	7.30	5.50	11.20
11/4/2012 12:30	7.20	16.20	6.90	5.60	10.60
11/4/2012 12:45	7.40	5.60	7.30	15.40	0.10
11/4/2012 13:00	7.50	5.60	7.40	14.50	0.10
11/4/2012 13:15	7.10	5.30	7.40	17.70	0.00
11/4/2012 13:30	7.20	5.40	7.20	12.20	0.00
11/4/2012 13:45	7.30	15.20	7.60	5.50	9.70
11/4/2012 14:00	7.30	12.20	7.50	5.50	6.70
11/4/2012 14:15	7.70	18.90	6.60	5.50	13.40
11/4/2012 14:30	7.20	13.20	6.90	5.30	7.90
11/4/2012 14:45	6.60	5.30	7.20	10.70	0.00
11/4/2012 15:00	7.00	5.30	7.60	14.30	0.00
11/4/2012 15:15	6.80	5.40	7.60	11.30	0.00
11/4/2012 15:30	7.10	5.30	7.40	13.10	0.00
11/4/2012 15:45	7.20	5.40	7.60	14.10	0.00
11/4/2012 16:00	6.80	5.20	7.20	18.50	0.00
11/4/2012 16:15	6.60	5.30	7.20	11.30	0.00
11/4/2012 16:30	7.30	15.90	6.90	5.40	10.50
11/4/2012 16:45	6.60	5.30	7.30	10.20	0.00
11/4/2012 17:00	6.70	5.50	7.50	11.30	0.00
11/4/2012 17:15	7.20	5.30	7.50	12.00	0.00
11/4/2012 17:30	7.60	17.90	7.00	5.40	12.50
11/4/2012 17:45	7.30	17.10	7.10	5.50	11.60
11/4/2012 18:00	7.30	5.30	7.40	20.60	0.00
11/4/2012 18:15	6.80	5.50	7.60	9.50	0.00
11/4/2012 18:30	6.90	5.60	7.40	8.40	0.00
11/4/2012 18:45	7.10	5.30	7.60	7.60	0.00
11/4/2012 19:00	7.80	13.10	7.40	5.50	7.60
11/4/2012 19:15	7.20	5.60	7.50	17.00	0.00
11/4/2012 19:30	7.00	5.50	7.60	9.20	0.00
11/4/2012 19:45	7.50	5.60	7.10	23.80	0.40
11/4/2012 20:00	8.00	12.80	7.60	5.50	7.30
11/4/2012 20:15	7.10	5.70	7.60	13.90	0.00
11/4/2012 20:30	7.10	5.40	7.10	17.50	0.00
11/4/2012 20:45	6.80	5.80	7.20	16.60	0.00
11/4/2012 21:00	7.20	5.70	7.90	20.60	0.00
11/4/2012 21:15	8.70	5.70	8.30	35.80	0.40
11/4/2012 21:30	7.70	6.10	7.40	8.20	0.30
11/4/2012 21:45	7.80	6.60	7.90	45.00	0.00
11/4/2012 22:00	8.10	12.90	8.00	5.70	0.00
11/4/2012 22:15	7.10	5.40	7.30	18.70	0.00
11/4/2012 22:30	7.30	5.70	7.20	9.60	0.10
11/4/2012 22:45	7.60	5.90	8.00	10.00	0.00
11/4/2012 23:00	7.80	5.40	8.00	13.20	0.00
11/4/2012 23:15	7.10	6.00	7.70	10.00	0.00
11/4/2012 23:30	7.20	6.40	7.90	17.50	0.00
11/4/2012 23:45	7.30	6.30	7.70	10.00	0.00
11/5/2012 0:00	7.70	5.90	8.00	10.00	0.00
11/5/2012 0:15	7.30	9.40	7.40	6.10	3.30
11/5/2012 0:30	7.30	9.30	7.80	6.00	3.30
11/5/2012 0:45	7.50	11.70	7.40	6.40	5.30
11/5/2012 1:00	7.50	6.30	7.80	12.60	0.00
11/5/2012 1:15	7.80	6.60	8.10	14.50	0.00
11/5/2012 1:30	7.50	6.50	7.80	21.80	0.00
11/5/2012 1:45	7.30	19.50	7.50	6.70	12.80
11/5/2012 2:00	7.70	17.10	7.60	6.50	10.60
11/5/2012 2:15	7.80	8.60	8.00	6.00	2.60



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/5/2012 2:30	7.40	5.80	7.80	19.10	0.00
11/5/2012 2:45	7.20	6.50	7.40	13.50	0.00
11/5/2012 3:00	7.50	6.20	7.30	11.70	0.20
11/5/2012 3:15	7.70	11.30	7.50	5.90	5.40
11/5/2012 3:30	7.30	9.70	7.30	5.80	3.90
11/5/2012 3:45	7.30	6.00	7.50	11.90	0.00
11/5/2012 4:00	7.50	10.10	8.10	5.90	4.20
11/5/2012 4:15	7.70	16.60	7.50	5.40	11.20
11/5/2012 4:30	7.50	6.20	7.30	9.30	0.20
11/5/2012 4:45	8.00	5.50	7.40	10.40	0.60
11/5/2012 5:00	7.30	20.00	7.90	5.40	14.60
11/5/2012 5:15	7.30	5.70	7.20	14.10	0.10
11/5/2012 5:30	7.30	22.30	7.40	6.30	0.00
11/5/2012 5:45	7.80	5.80	7.70	20.30	0.10
11/5/2012 6:00	7.80	5.80	7.80	28.20	0.00
11/5/2012 6:15	7.90	5.70	7.40	17.70	0.50
11/5/2012 6:30	7.60	5.70	7.30	17.10	0.30
11/5/2012 6:45	7.50	16.30	7.90	5.90	10.40
11/5/2012 7:00	7.40	5.50	7.90	14.80	0.00
11/5/2012 7:15	7.30	5.50	7.60	14.70	0.00
11/5/2012 7:30	7.50	21.80	7.60	5.60	16.20
11/5/2012 7:45	7.50	5.70	7.70	23.90	0.00
11/5/2012 8:00	7.50	6.00	7.60	16.60	0.00
11/5/2012 8:15	7.10	5.90	7.10	12.80	0.00
11/5/2012 8:30	7.60	6.00	7.60	29.60	0.00
11/5/2012 8:45	7.40	6.50	7.60	11.20	0.00
11/5/2012 9:00	7.50	6.80	7.50	11.20	0.00
11/5/2012 9:15	6.90	5.80	7.60	13.40	0.00
11/5/2012 9:30	7.40	5.70	7.40	13.30	0.00
11/5/2012 9:45	7.40	6.20	7.40	10.60	0.00
11/5/2012 10:00	7.50	17.00	7.40	6.30	10.70
11/5/2012 10:15	7.10	6.90	7.60	32.20	0.00
11/5/2012 10:30	7.30	7.30	7.40	13.00	0.00
11/5/2012 10:45	7.70	6.10	7.60	20.80	0.10
11/5/2012 11:00	7.80	41.90	7.10	6.00	35.90
11/5/2012 11:15	8.00	14.50	7.40	6.10	8.40
11/5/2012 11:30	7.40	24.40	7.10	6.00	18.40
11/5/2012 11:45	7.50	12.50	7.10	6.20	6.30
11/5/2012 12:00	7.30	6.10	7.80	39.10	0.00
11/5/2012 12:15	7.20	5.90	7.80	87.40	0.00
11/5/2012 12:30	7.00	6.00	7.60	11.40	0.00
11/5/2012 12:45	7.60	13.30	8.50	5.90	7.40
11/5/2012 13:00	9.20	6.10	7.80	57.50	1.40
11/5/2012 13:30	9.20	6.60	8.80	20.20	0.40
11/5/2012 13:45	8.60	6.40	9.40	11.20	0.00
11/5/2012 14:00	8.70	6.30	9.20	20.90	0.00
11/5/2012 14:15	9.30	20.20	7.90	6.20	14.00
11/5/2012 14:30	8.50	6.00	9.00	26.40	0.00
11/5/2012 14:45	9.00	14.20	7.80	6.40	7.80
11/5/2012 15:00	7.90	6.50	11.00	15.80	0.00
11/5/2012 15:15	8.10	6.30	9.60	13.40	0.00
11/5/2012 15:30	9.90	12.10	8.30	5.80	6.30
11/5/2012 15:45	9.90	12.70	9.50	5.80	6.90
11/5/2012 16:00	9.60	12.30	8.70	6.10	6.20
11/5/2012 16:15	7.90	5.90	12.30	14.70	0.00
11/5/2012 16:30	8.30	5.80	10.00	13.60	0.00
11/5/2012 16:45	10.80	14.60	7.70	5.90	8.70
11/5/2012 17:00	7.80	5.80	12.70	15.40	0.00
11/5/2012 17:15	7.40	6.20	13.40	14.90	0.00
11/5/2012 17:30	9.10	6.30	12.10	14.80	0.00
11/5/2012 17:45	10.30	6.20	12.20	14.50	0.00
11/5/2012 18:00	10.40	6.50	12.70	14.40	0.00
11/5/2012 18:15	13.40	14.00	9.50	7.20	6.80
11/5/2012 18:30	10.80	7.60	11.40	13.40	0.00
11/5/2012 18:45	9.50	6.80	11.80	12.70	0.00
11/5/2012 19:00	8.00	6.60	11.50	11.70	0.00
11/5/2012 19:15	9.30	6.90	12.20	12.50	0.00
11/5/2012 19:30	11.30	12.90	11.20	8.20	4.70
11/5/2012 19:45	11.20	12.00	8.30	7.20	4.80
11/5/2012 20:00	11.30	12.00	9.70	7.10	4.90
11/5/2012 20:15	11.20	11.70	11.60	7.80	3.90
11/5/2012 20:30	10.70	11.30	11.60	7.90	3.40
11/5/2012 20:45	10.60	11.30	9.40	7.40	3.90
11/5/2012 21:00	9.20	7.70	10.70	11.40	0.00
11/5/2012 21:15	10.30	7.60	10.60	11.20	0.00
11/5/2012 21:30	10.60	7.50	10.10	10.20	0.50
11/5/2012 21:45	10.30	10.80	9.90	7.10	3.70
11/5/2012 22:00	9.80	10.40	9.60	7.00	3.40
11/5/2012 22:15	9.60	7.60	9.90	10.90	0.00
11/5/2012 22:30	10.00	10.70	9.00	8.20	2.50
11/5/2012 22:45	9.60	7.60	9.80	10.60	0.00
11/5/2012 23:00	8.90	7.70	10.20	10.80	0.00
11/5/2012 23:15	9.00	7.20	10.10	11.00	0.00
11/5/2012 23:30	9.40	7.10	9.50	10.40	0.00
11/5/2012 23:45	9.50	9.90	9.50	7.00	2.90
11/6/2012 0:00	8.80	7.50	9.90	10.70	0.00
11/6/2012 0:15	9.30	7.80	9.50	10.30	0.00
11/6/2012 0:30	9.30	11.20	9.20	7.70	3.50
11/6/2012 0:45	8.90	7.30	9.30	10.00	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/6/2012 1:00	9.10	9.60	8.90	6.80	0.00
11/6/2012 1:15	8.50	6.80	9.40	9.80	0.00
11/6/2012 1:30	8.50	6.70	9.10	10.00	0.00
11/6/2012 1:45	9.10	6.70	9.20	10.00	0.00
11/6/2012 2:00	10.40	7.70	9.50	10.30	0.90
11/6/2012 2:15	9.30	6.70	9.10	10.00	0.20
11/6/2012 2:30	8.60	6.70	9.30	10.60	0.00
11/6/2012 2:45	8.80	9.60	8.90	6.60	3.00
11/6/2012 3:00	8.90	7.20	9.60	10.10	0.00
11/6/2012 3:15	8.50	7.30	9.20	9.80	0.00
11/6/2012 3:30	8.90	9.80	9.10	7.00	2.80
11/6/2012 3:45	9.10	9.90	9.10	6.90	3.00
11/6/2012 4:00	9.00	7.20	9.30	9.80	0.00
11/6/2012 4:15	9.50	7.70	9.20	10.40	0.30
11/6/2012 4:30	16.00	14.10	9.60	10.00	6.40
11/6/2012 4:45	9.40	10.00	13.10	11.60	0.00
11/6/2012 5:00	9.30	9.70	9.40	8.00	1.70
11/6/2012 5:15	9.70	8.50	9.00	9.80	0.70
11/6/2012 5:30	10.60	9.30	9.20	10.00	1.40
11/6/2012 5:45	9.90	7.90	9.00	10.30	0.90
11/6/2012 6:00	9.20	7.70	9.20	9.90	0.00
11/6/2012 6:15	9.10	11.10	10.10	7.90	3.20
11/6/2012 6:30	8.90	10.50	9.80	8.40	2.10
11/6/2012 6:45	9.30	10.50	9.30	7.70	2.80
11/6/2012 7:00	8.70	7.50	8.90	11.60	0.00
11/6/2012 7:15	9.10	7.50	9.00	11.30	0.10
11/6/2012 7:30	9.80	10.90	12.10	9.90	1.00
11/6/2012 7:45	9.50	11.00	8.90	7.60	3.40
11/6/2012 8:00	9.10	7.90	9.00	11.00	0.10
11/6/2012 8:15	9.40	7.80	9.10	10.80	0.30
11/6/2012 8:30	9.10	10.10	9.30	7.70	2.40
11/6/2012 8:45	8.90	7.50	9.00	10.40	0.00
11/6/2012 9:00	8.50	7.10	8.60	9.90	0.00
11/6/2012 9:15	8.60	9.50	9.00	7.10	2.40
11/6/2012 9:30	9.00	7.30	8.90	10.30	0.10
11/6/2012 9:45	8.40	7.40	9.10	10.20	0.00
11/6/2012 10:00	9.00	10.80	9.00	6.90	3.90
11/6/2012 10:15	9.00	10.70	8.40	7.30	3.40
11/6/2012 10:30	8.80	10.80	8.60	7.20	3.60
11/6/2012 10:45	9.00	7.10	8.90	11.50	0.10
11/6/2012 11:00	8.60	7.00	8.80	10.20	0.00
11/6/2012 11:15	8.60	7.30	8.70	10.50	0.00
11/6/2012 11:30	8.00	7.20	9.30	11.50	0.00
11/6/2012 11:45	8.80	6.50	9.50	10.40	0.00
11/6/2012 12:00	8.20	6.30	9.00	11.40	0.00
11/6/2012 12:15	8.30	6.70	9.40	11.80	0.00
11/6/2012 12:30	8.40	6.50	8.80	10.40	0.00
11/6/2012 12:45	8.40	6.70	9.90	13.80	0.00
11/6/2012 13:00	8.00	7.40	12.60	15.30	0.00
11/6/2012 13:15	8.30	6.90	10.00	16.30	0.00
11/6/2012 13:30	8.20	7.10	9.30	13.80	0.00
11/6/2012 13:45	8.70	6.70	9.50	15.10	0.00
11/6/2012 14:00	8.40	8.00	9.00	14.40	0.00
11/6/2012 14:15	8.40	6.60	13.40	15.30	0.00
11/6/2012 14:30	13.20	17.10	8.40	6.70	10.40
11/6/2012 14:45	8.00	6.70	9.40	16.40	0.00
11/6/2012 15:00	7.80	6.10	12.80	14.50	0.00
11/6/2012 15:15	8.30	6.80	11.80	15.40	0.00
11/6/2012 15:30	11.80	14.50	9.80	7.20	7.30
11/6/2012 15:45	12.50	14.30	8.40	6.60	7.70
11/6/2012 16:00	8.20	6.60	12.20	13.20	0.00
11/6/2012 16:15	8.00	6.70	11.90	16.20	0.00
11/6/2012 16:30	9.00	6.40	10.20	14.60	0.00
11/6/2012 16:45	9.10	6.70	11.20	13.00	0.00
11/6/2012 17:00	8.20	6.60	12.10	14.40	0.00
11/6/2012 17:15	8.10	6.60	12.20	14.30	0.00
11/6/2012 17:30	8.60	6.70	11.10	13.80	0.00
11/6/2012 17:45	9.50	6.60	10.50	13.90	0.00
11/6/2012 18:00	12.00	12.60	8.30	6.70	5.90
11/6/2012 18:15	8.60	6.70	10.90	14.10	0.00
11/6/2012 18:30	8.20	6.80	9.90	12.10	0.00
11/6/2012 18:45	9.90	12.40	8.20	6.50	5.90
11/6/2012 19:00	8.00	6.70	9.80	12.30	0.00
11/6/2012 19:15	8.10	6.40	10.40	12.40	0.00
11/6/2012 19:30	9.80	13.80	8.80	6.30	7.50
11/6/2012 19:45	7.90	6.40	9.60	10.90	0.00
11/6/2012 20:00	8.20	6.20	10.00	11.90	0.00
11/6/2012 20:15	8.70	6.10	9.90	11.60	0.00
11/6/2012 20:30	8.70	6.70	10.00	11.30	0.00
11/6/2012 20:45	9.90	11.80	8.90	7.10	4.70
11/6/2012 21:00	8.10	6.20	9.80	11.70	0.00
11/6/2012 21:15	8.40	6.40	10.20	12.30	0.00
11/6/2012 21:30	9.60	7.00	9.60	11.90	0.00
11/6/2012 21:45	9.10	6.00	9.60	11.80	0.00
11/6/2012 22:00	9.30	11.80	8.20	6.60	5.20
11/6/2012 22:15	8.40	7.10	9.20	11.90	0.00
11/6/2012 22:30	9.10	11.10	8.90	6.70	4.40
11/6/2012 22:45	10.00	11.10	8.60	6.30	0.00
11/6/2012 23:00	8.00	6.60	9.50	11.50	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/6/2012 23:15	8.30	6.20	9.10	10.20	0.00
11/6/2012 23:30	9.30	10.30	9.00	6.60	3.70
11/6/2012 23:45	8.20	5.90	9.30	10.80	0.00
11/7/2012 0:00	7.90	6.40	9.20	10.90	0.00
11/7/2012 0:15	8.80	6.10	8.90	12.10	0.00
11/7/2012 0:30	9.60	10.30	8.90	6.30	4.00
11/7/2012 0:45	9.70	10.10	7.90	5.90	4.20
11/7/2012 1:00	8.90	10.50	8.30	6.50	4.00
11/7/2012 1:15	8.70	10.20	8.60	6.50	3.70
11/7/2012 1:30	8.20	6.30	9.60	10.60	0.00
11/7/2012 1:45	9.30	10.90	8.30	6.20	4.70
11/7/2012 2:00	9.30	9.90	8.10	6.50	3.40
11/7/2012 2:15	7.80	6.30	9.10	9.70	0.00
11/7/2012 2:30	9.40	9.90	8.10	6.30	3.60
11/7/2012 2:45	8.40	5.90	10.70	10.30	0.00
11/7/2012 3:00	8.40	6.40	9.60	9.40	0.00
11/7/2012 3:15	8.10	6.00	9.30	9.00	0.00
11/7/2012 3:30	8.10	6.50	8.90	11.00	0.00
11/7/2012 3:45	7.90	5.90	10.00	10.50	0.00
11/7/2012 4:00	7.60	6.10	9.20	9.80	0.00
11/7/2012 4:15	7.70	6.30	8.60	10.10	0.00
11/7/2012 4:30	8.70	6.40	9.50	9.70	0.00
11/7/2012 4:45	9.90	10.60	8.70	6.00	4.60
11/7/2012 5:00	7.90	5.90	9.30	10.10	0.00
11/7/2012 5:15	8.40	6.20	9.10	10.70	0.00
11/7/2012 5:30	8.70	6.40	9.50	11.90	0.00
11/7/2012 5:45	9.50	10.00	8.60	6.00	4.00
11/7/2012 6:00	8.20	6.00	9.00	9.40	0.00
11/7/2012 6:15	8.20	6.20	8.80	10.20	0.00
11/7/2012 6:30	8.50	6.10	9.60	10.50	0.00
11/7/2012 6:45	7.90	6.00	9.50	9.80	0.00
11/7/2012 7:00	8.80	11.10	7.70	6.20	4.90
11/7/2012 7:15	8.20	5.90	8.50	9.40	0.00
11/7/2012 7:30	9.40	9.60	8.40	6.10	0.00
11/7/2012 7:45	8.40	5.30	9.50	9.70	0.00
11/7/2012 8:00	7.90	5.90	9.00	9.50	0.00
11/7/2012 8:15	8.00	6.10	8.80	11.10	0.00
11/7/2012 8:30	8.10	5.90	9.10	10.20	0.00
11/7/2012 8:45	8.00	6.00	9.20	10.30	0.00
11/7/2012 9:00	7.90	5.70	9.10	10.40	0.00
11/7/2012 9:15	8.40	6.10	8.60	9.80	0.00
11/7/2012 9:30	8.70	5.90	9.40	10.70	0.00
11/7/2012 9:45	9.30	9.60	8.60	5.50	4.10
11/7/2012 10:00	8.00	5.60	9.30	9.60	0.00
11/7/2012 10:15	8.80	9.50	7.90	6.20	3.30
11/7/2012 10:30	8.80	10.10	8.20	5.90	4.20
11/7/2012 10:45	8.80	10.40	7.90	5.80	4.60
11/7/2012 11:00	8.20	5.60	8.60	9.40	0.00
11/7/2012 11:15	8.40	5.70	8.60	10.30	0.00
11/7/2012 11:30	7.80	5.90	8.70	9.20	0.00
11/7/2012 11:45	8.80	9.00	7.90	5.60	3.40
11/7/2012 12:00	9.20	8.80	7.70	6.00	3.20
11/7/2012 12:15	8.50	9.20	7.90	5.80	0.00
11/7/2012 12:30	7.60	5.60	8.90	11.10	0.00
11/7/2012 12:45	8.00	5.70	9.00	11.00	0.00
11/7/2012 13:00	9.10	10.10	8.10	5.70	4.40
11/7/2012 13:15	9.50	11.10	8.20	5.90	5.20
11/7/2012 13:30	8.00	5.80	8.60	10.70	0.00
11/7/2012 13:45	8.70	5.90	8.60	10.60	0.10
11/7/2012 14:00	9.50	11.70	8.30	5.90	5.80
11/7/2012 14:15	7.90	5.70	9.10	10.30	0.00
11/7/2012 14:30	8.10	5.90	8.70	11.30	0.00
11/7/2012 14:45	7.60	5.70	8.60	10.80	0.00
11/7/2012 15:00	7.60	5.70	8.60	9.70	0.00
11/7/2012 15:15	7.90	5.90	8.40	10.90	0.00
11/7/2012 15:30	7.90	5.60	8.60	10.90	0.00
11/7/2012 15:45	8.30	11.20	7.90	5.80	5.40
11/7/2012 16:00	7.70	6.00	9.20	12.00	0.00
11/7/2012 16:15	7.90	6.10	9.00	11.20	0.00
11/7/2012 16:30	7.70	5.90	8.30	13.00	0.00
11/7/2012 16:45	8.10	6.10	9.20	11.30	0.00
11/7/2012 17:00	8.40	11.10	8.10	6.20	4.90
11/7/2012 17:15	8.50	10.80	8.00	6.10	4.70
11/7/2012 17:30	7.90	6.30	8.30	14.30	0.00
11/7/2012 17:45	9.70	6.20	8.40	11.70	1.30
11/7/2012 18:00	8.50	14.90	8.30	6.20	8.70
11/7/2012 18:15	8.20	6.40	8.80	11.50	0.00
11/7/2012 18:30	8.00	6.40	8.60	10.90	0.00
11/7/2012 18:45	8.30	6.40	8.80	11.50	0.00
11/7/2012 19:00	8.70	12.00	9.40	7.10	4.90
11/7/2012 19:15	8.30	6.30	9.00	25.20	0.00
11/7/2012 19:30	8.40	11.20	9.60	6.50	4.70
11/7/2012 19:45	8.40	11.20	8.50	6.30	4.90
11/7/2012 20:00	8.10	6.20	9.00	12.20	0.00
11/7/2012 20:15	8.10	6.80	8.60	11.20	0.00
11/7/2012 20:30	8.90	10.80	9.10	6.90	3.90
11/7/2012 20:45	8.90	10.30	8.20	6.30	4.00
11/7/2012 21:00	8.50	9.80	8.00	6.80	3.00
11/7/2012 21:15	8.00	6.30	8.30	8.90	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/7/2012 21:30	8.90	9.10	8.50	6.70	2.40
11/7/2012 21:45	9.00	9.50	8.00	6.40	3.10
11/7/2012 22:00	7.90	7.10	8.80	9.60	0.00
11/7/2012 22:15	8.50	13.20	8.00	7.00	6.20
11/7/2012 22:30	8.50	10.50	8.70	7.20	3.30
11/7/2012 22:45	8.20	6.60	8.50	10.50	0.00
11/7/2012 23:00	8.00	6.60	8.80	10.50	0.00
11/7/2012 23:15	8.40	6.80	8.80	10.30	0.00
11/7/2012 23:30	9.60	11.30	8.50	7.10	4.20
11/7/2012 23:45	8.50	13.20	8.80	6.80	6.40
11/8/2012 0:00	8.40	6.60	8.90	11.30	0.00
11/8/2012 0:15	8.00	6.70	8.80	8.60	0.00
11/8/2012 0:30	7.90	6.40	8.90	8.90	0.00
11/8/2012 0:45	8.80	9.50	8.10	6.40	3.10
11/8/2012 1:00	8.20	6.70	8.80	9.50	0.00
11/8/2012 1:15	8.70	6.70	9.50	10.10	0.00
11/8/2012 1:30	8.20	6.50	9.00	8.90	0.00
11/8/2012 1:45	7.90	6.40	8.40	9.90	0.00
11/8/2012 2:00	8.00	6.70	8.10	9.30	0.00
11/8/2012 2:15	8.00	7.00	8.90	9.20	0.00
11/8/2012 2:30	8.00	6.90	8.30	9.40	0.00
11/8/2012 2:45	8.80	6.70	8.60	8.80	0.20
11/8/2012 3:00	8.50	7.10	8.50	10.70	0.00
11/8/2012 3:15	8.10	9.90	8.10	6.70	3.20
11/8/2012 3:30	8.10	6.20	8.60	8.90	0.00
11/8/2012 3:45	9.30	13.80	8.00	6.60	7.20
11/8/2012 4:00	8.20	9.60	7.90	6.70	2.90
11/8/2012 4:15	8.00	6.30	8.60	10.50	0.00
11/8/2012 4:30	8.00	6.50	8.60	9.80	0.00
11/8/2012 4:45	8.60	6.30	8.80	10.90	0.00
11/8/2012 5:00	8.40	6.10	8.80	11.80	0.00
11/8/2012 5:15	8.10	6.00	8.10	9.20	0.00
11/8/2012 5:30	8.40	6.20	8.50	10.90	0.00
11/8/2012 5:45	9.70	6.70	8.90	10.40	0.80
11/8/2012 6:00	8.10	5.90	9.30	11.00	0.00
11/8/2012 6:15	8.20	6.00	8.70	9.50	0.00
11/8/2012 6:30	8.40	6.10	8.60	9.60	0.00
11/8/2012 6:45	8.60	8.80	8.00	6.20	2.60
11/8/2012 7:00	8.30	6.00	8.60	9.60	0.00
11/8/2012 7:15	8.60	6.10	9.60	12.50	0.00
11/8/2012 7:30	10.20	11.80	14.60	12.50	0.00
11/8/2012 7:45	10.00	12.50	8.40	6.10	6.40
11/8/2012 8:00	9.40	17.10	8.40	6.30	10.80
11/8/2012 8:15	8.50	7.10	8.90	15.50	0.00
11/8/2012 8:30	9.70	11.30	11.50	10.20	1.10
11/8/2012 8:45	10.20	13.70	10.40	7.60	6.10
11/8/2012 9:00	9.80	13.90	8.70	6.80	7.10
11/8/2012 9:15	9.10	17.00	8.90	6.50	10.50
11/8/2012 9:30	8.40	7.40	8.50	18.00	0.00
11/8/2012 9:45	9.00	7.10	9.30	16.10	0.00
11/8/2012 10:00	11.20	18.00	9.10	6.80	11.20
11/8/2012 10:15	9.90	26.20	8.50	6.90	19.30
11/8/2012 10:30	12.60	17.20	8.70	6.70	10.50
11/8/2012 10:45	8.30	6.50	13.20	22.50	0.00
11/8/2012 11:15	10.70	19.30	9.70	6.90	12.40
11/8/2012 11:30	10.70	16.70	8.50	6.20	10.50
11/8/2012 11:45	15.50	26.50	8.30	6.70	19.80
11/8/2012 12:00	8.60	6.80	11.30	18.00	0.00
11/8/2012 12:15	11.10	15.50	9.00	6.70	8.80
11/8/2012 12:30	12.10	17.70	8.60	6.40	11.30
11/8/2012 12:45	13.20	16.30	8.30	6.50	0.00
11/8/2012 13:00	12.40	17.40	8.20	6.40	11.00
11/8/2012 13:15	10.00	17.40	-49995.70	-49996.20	17.40
11/8/2012 13:30	8.70	6.70	10.60	18.10	0.00
11/8/2012 13:45	9.80	16.90	8.40	6.80	10.10
11/8/2012 14:00	8.40	6.50	12.30	15.70	0.00
11/8/2012 14:15	11.00	16.30	8.90	6.30	10.00
11/8/2012 14:30	8.10	6.20	11.30	12.20	0.00
11/8/2012 14:45	10.90	13.00	8.70	6.30	6.70
11/8/2012 15:00	9.70	6.20	11.70	14.90	0.00
11/8/2012 15:15	8.20	6.10	10.70	14.00	0.00
11/8/2012 15:30	9.50	11.90	8.00	6.10	5.80
11/8/2012 15:45	9.70	11.80	8.60	6.40	5.40
11/8/2012 16:00	10.20	12.00	8.00	6.00	6.00
11/8/2012 16:15	8.20	6.50	10.00	16.10	0.00
11/8/2012 16:30	10.20	7.70	9.90	12.30	0.30
11/8/2012 16:45	10.70	15.60	10.10	7.60	8.00
11/8/2012 17:00	10.30	12.60	8.40	7.40	5.20
11/8/2012 17:15	8.70	6.90	9.70	13.00	0.00
11/8/2012 17:30	13.00	9.70	8.90	10.20	4.10
11/8/2012 17:45	11.30	8.80	9.90	10.00	1.40
11/8/2012 18:00	10.30	10.50	10.30	7.60	2.90
11/8/2012 18:15	9.20	9.70	8.60	7.70	2.00
11/8/2012 18:30	8.90	7.60	8.80	13.50	0.10
11/8/2012 18:45	8.90	10.80	10.30	8.40	2.40
11/8/2012 19:00	12.00	10.70	9.20	11.40	2.80
11/8/2012 19:15	9.90	11.10	11.10	9.50	1.60
11/8/2012 19:30	9.10	7.80	8.90	9.60	0.20
11/8/2012 19:45	8.60	7.50	8.60	11.60	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/8/2012 20:00	10.00	9.90	13.20	10.90	0.00
11/8/2012 20:15	9.90	9.90	11.70	9.50	0.40
11/8/2012 20:30	9.40	9.60	11.30	9.80	0.00
11/8/2012 20:45	9.90	8.60	8.90	13.20	1.00
11/8/2012 21:00	15.50	13.30	10.10	10.30	5.40
11/8/2012 21:15	8.60	8.50	11.90	11.30	0.00
11/8/2012 21:30	9.00	11.30	10.40	9.40	1.90
11/8/2012 21:45	8.50	9.40	11.10	9.90	0.00
11/8/2012 22:00	10.90	9.70	8.60	9.80	2.30
11/8/2012 22:15	10.80	9.20	8.80	10.80	2.00
11/8/2012 22:30	9.40	8.30	8.10	12.70	1.30
11/8/2012 22:45	8.30	10.70	11.60	10.60	0.10
11/8/2012 23:00	8.40	9.30	11.70	10.50	0.00
11/8/2012 23:15	9.10	8.00	10.60	8.50	0.60
11/8/2012 23:30	9.60	8.10	8.50	9.10	1.10
11/8/2012 23:45	8.30	9.00	10.40	9.30	0.00
11/9/2012 0:00	7.60	8.80	10.50	8.70	0.10
11/9/2012 0:15	7.60	11.70	9.70	7.80	3.90
11/9/2012 0:30	7.80	8.20	9.00	7.50	0.70
11/9/2012 0:45	9.80	7.20	9.20	9.80	0.60
11/9/2012 1:00	7.60	10.80	9.10	7.70	3.10
11/9/2012 1:15	7.60	9.70	9.50	7.70	2.00
11/9/2012 1:30	8.10	13.90	8.80	7.70	6.20
11/9/2012 1:45	9.30	6.90	7.90	9.70	1.40
11/9/2012 2:00	9.00	7.00	8.00	10.60	1.00
11/9/2012 2:15	7.80	9.80	9.30	7.40	2.40
11/9/2012 2:30	7.50	8.50	8.60	6.90	1.60
11/9/2012 2:45	8.60	6.70	7.70	10.00	0.90
11/9/2012 3:00	8.40	6.60	7.50	8.10	0.90
11/9/2012 3:15	8.60	6.80	7.40	8.70	1.20
11/9/2012 3:30	7.60	10.50	9.10	6.90	3.60
11/9/2012 3:45	8.30	6.80	8.40	19.40	0.00
11/9/2012 4:00	8.50	7.00	7.70	10.10	0.80
11/9/2012 4:15	8.50	6.70	7.60	9.60	0.90
11/9/2012 4:30	9.40	6.90	8.20	11.80	1.20
11/9/2012 4:45	7.40	8.60	8.80	6.60	2.00
11/9/2012 5:00	8.10	6.30	7.40	8.80	0.70
11/9/2012 5:15	8.50	6.40	8.90	9.60	0.00
11/9/2012 5:30	8.30	6.50	7.50	8.80	0.80
11/9/2012 5:45	8.40	6.60	8.30	9.50	0.10
11/9/2012 6:00	7.60	8.20	8.20	6.40	1.80
11/9/2012 6:15	8.20	6.40	7.50	10.70	0.70
11/9/2012 6:30	8.30	6.40	7.60	11.70	0.70
11/9/2012 6:45	8.10	6.70	7.80	8.80	0.30
11/9/2012 7:00	8.30	6.40	7.50	8.90	0.80
11/9/2012 7:15	8.90	6.50	7.40	14.00	1.50
11/9/2012 7:30	7.80	10.60	8.50	5.90	4.70
11/9/2012 7:45	8.60	8.80	7.80	5.80	3.00
11/9/2012 8:00	8.20	6.00	7.50	8.50	0.70
11/9/2012 8:15	8.60	6.00	7.60	9.90	1.00
11/9/2012 8:30	8.90	6.10	8.70	9.90	0.20
11/9/2012 8:45	7.40	9.20	8.60	6.20	3.00
11/9/2012 9:00	8.00	5.70	9.20	10.30	0.00
11/9/2012 9:15	8.10	6.00	7.80	9.00	0.30
11/9/2012 9:30	8.20	5.90	7.80	9.00	0.40
11/9/2012 9:45	8.50	6.50	7.40	10.30	1.10
11/9/2012 10:00	9.80	13.70	8.60	6.10	7.60
11/9/2012 10:15	8.00	8.80	8.10	6.00	2.80
11/9/2012 10:30	7.90	5.90	8.10	11.50	0.00
11/9/2012 10:45	7.90	10.90	9.00	6.40	4.50
11/9/2012 11:00	8.40	6.10	7.80	11.50	0.60
11/9/2012 11:15	9.90	12.40	8.40	5.80	6.60
11/9/2012 11:30	8.10	5.90	8.40	10.10	0.00
11/9/2012 11:45	7.50	10.50	8.10	6.10	4.40
11/9/2012 12:00	8.40	6.30	8.10	17.20	0.30
11/9/2012 12:15	9.20	6.50	9.80	15.80	0.00
11/9/2012 12:30	9.00	11.40	8.50	6.60	4.80
11/9/2012 12:45	8.50	6.40	8.00	9.20	0.50
11/9/2012 13:00	8.70	6.50	9.40	10.10	0.00
11/9/2012 13:15	8.30	6.50	8.30	10.50	0.00
11/9/2012 13:30	8.00	6.40	7.50	9.30	0.50
11/9/2012 13:45	7.60	8.10	8.60	6.70	1.40
11/9/2012 14:00	8.90	5.90	9.60	14.60	0.00
11/9/2012 14:15	8.10	14.60	8.00	6.00	8.60
11/9/2012 14:30	7.80	5.90	7.80	10.40	0.00
11/9/2012 14:45	9.10	6.80	7.90	10.40	1.20
11/9/2012 15:00	7.50	9.50	9.10	6.60	0.00
11/9/2012 15:15	9.60	17.90	8.70	6.20	0.00
11/9/2012 15:30	8.10	6.00	7.50	9.30	0.60
11/9/2012 15:45	8.40	6.70	7.60	12.70	0.80
11/9/2012 16:00	8.70	6.70	8.60	10.70	0.10
11/9/2012 16:15	9.00	12.40	8.70	6.30	6.10
11/9/2012 16:30	8.10	9.30	8.10	6.60	2.70
11/9/2012 16:45	7.70	10.50	8.60	6.50	4.00
11/9/2012 17:00	7.40	9.90	8.60	6.70	3.20
11/9/2012 17:15	8.40	6.50	8.00	21.00	0.40
11/9/2012 17:30	10.30	8.00	9.30	9.80	1.00
11/9/2012 17:45	11.30	7.30	7.00	7.60	4.30
11/9/2012 18:00	7.70	8.30	10.30	6.90	1.40



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/9/2012 18:15	7.00	8.10	8.10	6.60	1.50
11/9/2012 18:30	8.60	6.90	7.20	9.10	1.40
11/9/2012 18:45	9.00	6.80	7.90	17.20	1.10
11/9/2012 19:00	9.10	7.30	8.10	11.40	1.00
11/9/2012 19:15	9.50	8.80	7.50	7.90	2.00
11/9/2012 19:30	9.60	8.30	9.60	7.20	2.40
11/9/2012 19:45	6.70	10.20	7.90	6.80	3.40
11/9/2012 20:00	7.80	6.30	7.50	13.10	0.30
11/9/2012 20:15	7.30	9.70	10.20	8.70	1.00
11/9/2012 20:30	7.40	8.20	9.10	7.20	1.00
11/9/2012 20:45	10.00	13.20	10.40	7.40	5.80
11/9/2012 21:00	8.80	6.90	9.40	9.60	0.00
11/9/2012 21:15	9.00	7.10	7.40	8.90	1.60
11/9/2012 21:30	8.90	6.90	11.00	11.10	0.00
11/9/2012 21:45	8.50	6.80	9.10	8.30	0.20
11/9/2012 22:00	11.60	7.00	7.30	8.00	4.30
11/9/2012 22:15	7.80	7.40	9.60	7.40	0.40
11/9/2012 22:30	9.90	11.40	8.50	6.80	4.60
11/9/2012 22:45	8.00	6.50	8.80	10.30	0.00
11/9/2012 23:00	8.10	6.50	7.50	10.80	0.60
11/9/2012 23:15	10.60	9.80	8.70	6.50	4.10
11/9/2012 23:30	8.40	6.30	11.80	12.00	0.00
11/9/2012 23:45	7.90	6.40	7.00	9.40	0.90
11/10/2012 0:00	7.40	8.80	8.30	6.30	2.50
11/10/2012 0:15	8.10	6.00	10.60	7.90	0.20
11/10/2012 0:30	8.40	6.20	10.60	10.70	0.00
11/10/2012 0:45	7.30	10.80	8.00	6.50	4.30
11/10/2012 1:00	7.30	16.20	8.10	6.10	10.10
11/10/2012 1:15	8.00	6.30	8.00	10.00	0.00
11/10/2012 1:30	7.70	5.90	7.30	7.00	0.70
11/10/2012 1:45	8.30	6.30	8.20	8.90	0.10
11/10/2012 2:00	9.30	8.40	8.30	6.00	3.30
11/10/2012 2:15	7.30	7.70	8.00	6.10	1.60
11/10/2012 2:30	7.30	7.80	8.20	6.50	1.30
11/10/2012 2:45	8.60	6.50	9.10	11.10	0.00
11/10/2012 3:00	9.70	7.00	9.80	9.50	0.20
11/10/2012 3:15	7.00	6.80	7.60	5.80	1.20
11/10/2012 3:30	7.60	5.50	10.00	13.70	0.00
11/10/2012 3:45	8.10	6.10	7.30	7.60	0.80
11/10/2012 4:00	8.80	6.40	8.00	9.20	0.80
11/10/2012 4:15	8.50	6.20	9.40	11.00	0.00
11/10/2012 4:30	8.20	5.90	7.40	8.00	0.80
11/10/2012 4:45	8.80	7.40	7.90	5.50	3.30
11/10/2012 5:00	7.10	7.30	7.60	5.60	1.70
11/10/2012 5:15	7.30	10.50	7.50	5.80	4.70
11/10/2012 5:30	7.50	5.70	8.90	8.70	0.00
11/10/2012 5:45	7.50	8.70	8.00	5.70	3.00
11/10/2012 6:00	7.50	5.60	7.30	8.20	0.20
11/10/2012 6:15	7.90	9.00	7.80	5.60	3.40
11/10/2012 6:30	7.70	5.80	7.30	7.60	0.40
11/10/2012 6:45	8.00	5.50	7.70	10.80	0.30
11/10/2012 7:00	8.20	5.40	9.10	18.80	0.00
11/10/2012 7:15	8.00	5.50	8.90	14.00	0.00
11/10/2012 7:30	7.70	9.00	7.70	5.50	3.50
11/10/2012 7:45	8.00	14.20	7.80	5.60	8.60
11/10/2012 8:00	7.50	5.50	8.10	10.80	0.00
11/10/2012 8:15	8.00	5.70	8.40	9.70	0.00
11/10/2012 8:30	8.40	5.70	8.50	9.90	0.00
11/10/2012 8:45	8.10	9.60	8.50	5.70	3.90
11/10/2012 9:00	8.10	5.40	8.50	9.70	0.00
11/10/2012 9:15	8.10	5.40	8.50	9.80	0.00
11/10/2012 9:30	8.10	9.20	7.60	5.30	3.90
11/10/2012 9:45	7.60	5.90	8.00	9.40	0.00
11/10/2012 10:00	8.20	9.30	8.10	5.80	3.50
11/10/2012 10:15	9.80	8.90	8.90	5.30	4.50
11/10/2012 10:30	7.50	5.70	8.60	10.30	0.00
11/10/2012 10:45	8.10	6.30	8.00	9.80	0.10
11/10/2012 11:00	7.80	5.70	8.40	8.50	0.00
11/10/2012 11:15	8.50	6.00	9.00	8.20	0.30
11/10/2012 11:30	8.30	9.00	8.20	5.60	3.40
11/10/2012 11:45	8.10	5.40	8.00	8.20	0.10
11/10/2012 12:00	8.50	8.50	10.00	8.80	0.00
11/10/2012 12:15	10.40	7.70	9.30	9.30	1.10
11/10/2012 12:30	11.90	11.50	15.40	13.60	0.00
11/10/2012 12:45	11.10	11.60	16.70	15.40	0.00
11/10/2012 13:00	9.80	9.80	13.60	11.90	0.00
11/10/2012 13:15	9.30	7.80	7.90	9.80	1.40
11/10/2012 13:30	8.90	8.10	12.70	8.70	0.20
11/10/2012 13:45	8.80	8.60	11.30	8.90	0.00
11/10/2012 14:00	8.80	8.80	10.80	6.80	2.00
11/10/2012 14:15	8.50	6.60	8.00	8.70	0.50
11/10/2012 14:30	9.80	9.10	12.20	7.00	2.80
11/10/2012 14:45	9.10	6.70	8.70	9.10	0.40
11/10/2012 15:00	10.00	8.70	9.30	6.50	3.50
11/10/2012 15:15	8.20	6.50	8.80	8.60	0.00
11/10/2012 15:30	8.40	6.40	10.60	9.50	0.00
11/10/2012 15:45	14.70	10.30	10.10	8.40	6.30
11/10/2012 16:00	8.80	6.90	11.90	10.30	0.00
11/10/2012 16:15	9.60	7.20	10.50	9.70	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/10/2012 16:30	8.50	6.70	10.60	8.90	0.00
11/10/2012 16:45	8.40	6.60	10.10	8.40	0.00
11/10/2012 17:00	10.30	10.60	10.20	8.10	2.50
11/10/2012 17:15	10.00	9.80	9.60	8.00	2.00
11/10/2012 17:30	8.20	6.20	9.40	9.20	0.00
11/10/2012 17:45	8.50	6.20	9.10	8.50	0.00
11/10/2012 18:00	8.60	7.20	9.00	9.00	0.00
11/10/2012 18:15	9.50	9.10	14.00	12.90	0.00
11/10/2012 18:30	9.20	8.00	9.00	8.70	0.50
11/10/2012 18:45	9.50	9.40	11.60	10.40	0.00
11/10/2012 19:00	10.60	9.30	10.50	9.00	1.60
11/10/2012 19:15	9.60	8.30	10.20	8.20	1.40
11/10/2012 19:30	8.70	6.60	8.60	8.40	0.30
11/10/2012 19:45	9.20	10.20	9.40	9.20	1.00
11/10/2012 20:00	14.30	15.60	9.90	11.10	5.70
11/10/2012 20:15	10.60	10.50	12.50	12.70	0.00
11/10/2012 20:30	9.70	9.50	12.10	12.40	0.00
11/10/2012 20:45	9.70	8.70	11.30	9.80	0.00
11/10/2012 21:00	8.90	8.30	8.50	11.90	0.40
11/10/2012 21:15	17.80	19.00	10.80	16.00	8.20
11/10/2012 21:30	14.60	15.20	21.20	22.90	0.00
11/10/2012 21:45	12.80	11.40	15.50	15.00	0.00
11/10/2012 22:00	11.20	9.80	12.40	11.50	0.00
11/10/2012 22:15	11.20	9.40	9.60	9.80	1.60
11/10/2012 22:30	12.20	11.70	12.70	12.40	0.00
11/10/2012 22:45	11.40	10.30	11.80	10.10	1.30
11/10/2012 23:00	10.00	9.40	10.60	9.50	0.50
11/10/2012 23:15	10.10	9.20	10.60	9.40	0.70
11/10/2012 23:30	9.90	9.10	10.10	8.70	1.20
11/10/2012 23:45	9.70	9.30	9.80	8.40	1.30
11/11/2012 0:00	9.70	9.10	9.20	8.20	1.50
11/11/2012 0:15	9.10	8.20	9.60	8.90	0.20
11/11/2012 0:30	9.20	8.80	9.20	8.10	1.10
11/11/2012 0:45	8.90	7.60	9.10	8.60	0.30
11/11/2012 1:00	9.00	8.80	9.20	8.40	0.60
11/11/2012 1:15	8.80	9.40	9.60	9.40	0.00
11/11/2012 1:30	9.60	8.60	10.40	8.90	0.70
11/11/2012 1:45	9.50	8.80	10.40	10.00	0.00
11/11/2012 2:00	10.50	9.30	9.40	9.10	1.40
11/11/2012 2:15	9.40	9.30	10.30	10.10	0.00
11/11/2012 2:30	9.80	7.70	8.90	9.10	0.90
11/11/2012 2:45	9.10	8.60	9.10	8.70	0.40
11/11/2012 3:00	8.90	8.70	9.10	8.00	0.90
11/11/2012 3:15	8.60	8.80	8.30	8.00	0.80
11/11/2012 3:30	9.10	9.90	8.60	9.80	1.30
11/11/2012 3:45	10.30	9.60	9.00	8.90	1.40
11/11/2012 4:00	9.50	7.70	8.80	8.60	0.90
11/11/2012 4:15	8.60	8.70	8.90	8.00	0.70
11/11/2012 4:30	9.10	8.00	8.70	8.90	0.40
11/11/2012 4:45	9.10	8.80	9.20	7.80	1.30
11/11/2012 5:00	8.30	6.90	8.60	8.20	0.10
11/11/2012 5:15	8.10	6.10	8.70	8.10	0.00
11/11/2012 5:30	10.00	8.00	8.90	8.70	1.30
11/11/2012 5:45	9.10	8.50	9.00	7.10	2.00
11/11/2012 6:00	8.60	8.30	8.60	6.90	1.70
11/11/2012 6:15	8.00	6.40	8.40	10.00	0.00
11/11/2012 6:30	8.40	6.70	8.50	8.30	0.10
11/11/2012 6:45	8.40	6.30	9.10	8.80	0.00
11/11/2012 7:00	8.80	9.10	8.10	6.30	2.80
11/11/2012 7:15	7.50	5.80	8.50	8.70	0.00
11/11/2012 7:30	9.30	8.70	8.60	6.60	2.70
11/11/2012 7:45	8.60	8.80	8.30	6.80	2.00
11/11/2012 8:00	7.30	5.70	9.00	9.00	0.00
11/11/2012 8:15	7.40	6.10	9.20	10.10	0.00
11/11/2012 8:30	8.80	9.10	7.80	6.50	2.60
11/11/2012 8:45	7.20	5.90	8.60	9.80	0.00
11/11/2012 9:00	8.40	9.40	7.60	5.70	3.70
11/11/2012 9:15	7.00	5.40	8.60	9.80	0.00
11/11/2012 9:30	7.40	6.20	9.10	10.20	0.00
11/11/2012 9:45	8.80	9.90	7.70	5.90	4.00
11/11/2012 10:00	8.00	6.80	8.50	9.50	0.00
11/11/2012 10:15	8.80	8.80	8.20	6.70	2.10
11/11/2012 10:30	7.20	7.20	8.10	9.60	0.00
11/11/2012 10:45	7.40	6.30	8.10	10.90	0.00
11/11/2012 11:00	8.80	8.60	8.00	6.20	2.60
11/11/2012 11:15	8.40	9.90	7.30	5.80	4.10
11/11/2012 11:30	7.90	14.10	7.00	5.80	8.30
11/11/2012 11:45	6.90	5.90	7.80	41.00	0.00
11/11/2012 12:00	7.40	5.80	8.10	12.10	0.00
11/11/2012 12:15	8.30	10.00	7.60	6.90	3.10
11/11/2012 12:30	7.00	6.80	7.70	20.30	0.00
11/11/2012 12:45	6.90	5.80	8.10	14.90	0.00
11/11/2012 13:00	7.00	5.80	7.80	15.70	0.00
11/11/2012 13:15	6.80	5.70	7.70	25.50	0.00
11/11/2012 13:30	7.40	5.90	8.00	10.30	0.00
11/11/2012 13:45	7.50	6.20	8.10	10.00	0.00
11/11/2012 14:00	7.20	6.80	8.20	12.00	0.00
11/11/2012 14:15	8.00	10.90	7.00	5.60	5.30
11/11/2012 14:30	6.90	5.90	7.90	20.60	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/11/2012 14:45	7.70	16.70	6.80	5.70	11.00
11/11/2012 15:00	7.00	7.00	7.70	24.90	0.00
11/11/2012 15:15	7.00	5.90	7.80	22.60	0.00
11/11/2012 15:30	8.10	10.20	8.50	7.20	3.00
11/11/2012 15:45	8.10	12.10	8.30	7.00	5.10
11/11/2012 16:00	7.10	6.30	7.80	29.30	0.00
11/11/2012 16:15	7.40	31.50	6.70	6.50	25.00
11/11/2012 16:30	6.80	7.20	7.40	25.10	0.00
11/11/2012 16:45	8.70	7.80	8.30	20.80	0.40
11/11/2012 17:00	8.20	10.30	9.20	7.00	3.30
11/11/2012 17:15	8.00	5.90	8.40	15.10	0.00
11/11/2012 17:30	8.60	11.20	8.70	7.00	4.20
11/11/2012 17:45	7.20	6.60	7.80	11.60	0.00
11/11/2012 18:00	8.30	24.70	7.40	6.40	18.30
11/11/2012 18:15	7.60	9.60	7.10	7.70	2.50
11/11/2012 18:30	8.10	8.60	9.90	7.40	1.20
11/11/2012 18:45	8.20	9.70	9.40	7.30	2.40
11/11/2012 19:00	8.60	7.00	8.10	8.30	0.50
11/11/2012 19:15	9.00	7.10	7.60	8.10	1.40
11/11/2012 19:30	7.60	8.40	8.70	6.70	1.70
11/11/2012 19:45	7.40	8.80	8.90	6.80	2.00
11/11/2012 20:00	8.00	8.00	8.90	6.20	1.80
11/11/2012 20:15	8.30	6.30	7.40	8.00	0.90
11/11/2012 20:30	8.00	8.40	8.30	6.70	1.70
11/11/2012 20:45	7.80	8.50	8.70	6.70	1.80
11/11/2012 21:00	8.40	7.20	7.90	9.40	0.50
11/11/2012 21:15	9.50	8.00	8.20	9.20	1.30
11/11/2012 21:30	8.60	8.20	9.40	7.60	1.00
11/11/2012 21:45	7.60	9.30	7.80	6.20	3.10
11/11/2012 22:00	7.60	9.00	7.40	5.50	3.50
11/11/2012 22:15	8.50	6.50	8.40	8.90	0.10
11/11/2012 22:30	8.10	8.60	8.70	6.80	1.80
11/11/2012 22:45	8.70	8.10	8.60	6.80	1.90
11/11/2012 23:00	7.60	7.90	7.60	5.50	2.40
11/11/2012 23:15	7.30	5.30	7.40	9.00	0.00
11/11/2012 23:30	8.70	8.70	8.70	7.20	1.50
11/11/2012 23:45	8.40	6.90	8.30	8.50	0.10
11/12/2012 0:00	9.00	9.00	8.20	7.00	2.00
11/12/2012 0:15	8.10	9.20	8.90	7.80	1.40
11/12/2012 0:30	10.50	9.00	8.50	9.00	2.00
11/12/2012 0:45	9.80	9.80	10.90	9.20	0.60
11/12/2012 1:00	8.70	8.70	8.50	7.50	1.20
11/12/2012 1:15	8.00	5.70	8.40	9.60	0.00
11/12/2012 1:30	8.70	8.80	9.10	7.50	1.30
11/12/2012 1:45	8.70	9.40	9.00	8.10	1.30
11/12/2012 2:00	8.40	7.20	9.20	8.80	0.00
11/12/2012 2:15	8.80	9.00	8.40	6.90	2.10
11/12/2012 2:30	8.20	6.50	8.00	8.50	0.20
11/12/2012 2:45	8.40	6.60	9.10	9.30	0.00
11/12/2012 3:00	8.90	8.30	8.30	6.70	2.20
11/12/2012 3:15	8.70	8.50	7.70	5.50	3.20
11/12/2012 3:30	7.10	5.40	8.10	9.10	0.00
11/12/2012 3:45	8.50	9.40	7.50	6.60	2.80
11/12/2012 4:00	8.70	9.00	8.30	6.40	2.60
11/12/2012 4:15	6.80	5.70	8.00	8.10	0.00
11/12/2012 4:30	6.80	7.80	7.70	10.20	0.10
11/12/2012 4:45	9.70	8.10	8.60	9.20	1.10
11/12/2012 5:00	9.10	9.70	10.10	8.60	1.10
11/12/2012 5:15	8.90	12.80	8.70	8.70	4.10
11/12/2012 5:30	8.40	8.70	8.80	9.90	0.00
11/12/2012 5:45	10.60	11.60	11.60	14.50	0.00
11/12/2012 6:00	11.80	12.90	10.40	11.50	2.50
11/12/2012 6:15	10.50	10.50	9.90	8.90	1.60
11/12/2012 6:30	9.00	8.40	9.60	10.80	0.00
11/12/2012 6:45	9.40	11.40	8.60	7.10	4.30
11/12/2012 7:00	9.10	11.60	9.20	8.40	3.20
11/12/2012 7:15	9.00	8.90	9.30	13.90	0.00
11/12/2012 7:30	10.00	10.30	9.60	8.40	1.90
11/12/2012 7:45	9.20	11.10	9.50	8.10	3.00
11/12/2012 8:00	8.40	7.70	10.40	14.80	0.00
11/12/2012 8:15	12.10	10.90	11.70	12.90	0.40
11/12/2012 8:30	10.60	9.60	10.00	10.90	0.60
11/12/2012 8:45	9.00	7.80	10.10	11.80	0.00
11/12/2012 9:00	10.50	9.70	10.50	13.00	0.00
11/12/2012 9:15	10.80	9.40	10.10	12.40	0.70
11/12/2012 9:30	9.30	7.30	10.30	14.10	0.00
11/12/2012 9:45	10.90	8.90	10.50	13.10	0.40
11/12/2012 10:00	10.80	9.10	10.80	12.30	0.00
11/12/2012 10:15	10.70	12.00	9.80	8.60	3.40
11/12/2012 10:30	8.40	8.40	11.00	15.00	0.00
11/12/2012 10:45	13.00	11.70	12.70	16.20	0.30
11/12/2012 11:00	13.50	24.50	12.50	14.30	12.00
11/12/2012 11:15	12.70	10.20	18.90	26.60	0.00
11/12/2012 11:30	13.80	13.70	14.60	12.30	1.50
11/12/2012 11:45	13.50	11.80	15.20	18.40	0.00
11/12/2012 12:00	13.20	11.80	14.60	16.30	0.00
11/12/2012 12:15	13.40	21.40	11.90	10.60	10.80
11/12/2012 12:30	15.00	16.60	9.80	12.90	6.80
11/12/2012 12:45	13.70	12.00	13.40	13.60	0.30



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/12/2012 13:00	10.30	8.00	13.20	19.80	0.00
11/12/2012 13:15	9.10	7.40	12.20	19.50	0.00
11/12/2012 13:30	12.10	14.50	9.30	8.30	6.20
11/12/2012 13:45	12.50	14.20	7.50	6.20	8.00
11/12/2012 14:00	7.70	7.20	11.90	15.40	0.00
11/12/2012 14:15	10.20	8.60	11.20	14.30	0.00
11/12/2012 14:30	10.30	9.20	10.90	11.80	0.00
11/12/2012 14:45	10.60	12.20	9.80	8.50	3.70
11/12/2012 15:00	10.20	11.50	7.60	6.80	4.70
11/12/2012 15:15	10.40	12.00	10.10	10.70	1.90
11/12/2012 15:30	10.50	8.80	10.50	11.40	0.00
11/12/2012 15:45	10.10	8.70	10.50	11.30	0.00
11/12/2012 16:00	8.90	8.00	10.30	15.20	0.00
11/12/2012 16:15	8.60	8.00	10.30	15.40	0.00
11/12/2012 16:30	9.70	11.40	9.80	8.70	2.70
11/12/2012 16:45	9.70	10.60	9.20	8.30	2.30
11/12/2012 17:00	8.20	6.80	9.90	10.80	0.00
11/12/2012 17:15	9.80	10.90	7.70	6.80	0.00
11/12/2012 17:30	8.90	8.60	9.40	12.60	0.00
11/12/2012 17:45	9.30	9.50	9.60	10.50	0.00
11/12/2012 18:00	9.40	11.70	8.50	7.50	4.20
11/12/2012 18:15	9.20	12.40	8.30	9.10	4.10
11/12/2012 18:30	8.90	9.60	9.20	10.70	0.40
11/12/2012 18:45	8.80	9.10	8.70	9.10	0.40
11/12/2012 19:00	8.50	7.10	9.20	13.90	0.00
11/12/2012 19:15	8.40	7.60	8.90	12.30	0.00
11/12/2012 19:30	8.90	10.90	8.40	8.00	2.90
11/12/2012 19:45	8.90	12.70	8.70	11.80	4.00
11/12/2012 20:00	8.80	9.30	8.60	7.20	2.10
11/12/2012 20:15	8.70	8.90	7.60	5.90	3.00
11/12/2012 20:30	7.60	10.90	8.70	9.70	2.20
11/12/2012 20:45	8.40	8.20	8.70	7.10	1.30
11/12/2012 21:00	8.00	6.70	8.20	8.70	0.00
11/12/2012 21:15	7.30	5.90	8.60	9.40	0.00
11/12/2012 21:30	8.60	9.40	7.00	5.70	3.70
11/12/2012 21:45	7.40	6.00	8.00	9.10	0.00
11/12/2012 22:00	8.00	9.10	8.10	6.70	2.40
11/12/2012 22:15	7.50	6.10	8.30	8.60	0.00
11/12/2012 22:30	7.30	5.90	8.10	9.10	0.00
11/12/2012 22:45	8.10	9.20	7.30	5.90	3.30
11/12/2012 23:00	7.90	8.60	6.90	5.90	2.70
11/12/2012 23:15	7.70	6.30	8.00	8.30	0.00
11/12/2012 23:30	8.00	6.70	8.00	8.20	0.00
11/12/2012 23:45	8.10	8.10	7.90	6.40	1.70
11/13/2012 0:00	7.30	5.80	7.80	9.10	0.00
11/13/2012 0:15	8.20	7.40	7.90	8.90	0.30
11/13/2012 0:30	8.20	9.80	8.70	7.20	2.60
11/13/2012 0:45	8.40	8.60	7.90	6.40	2.20
11/13/2012 1:00	7.20	5.50	7.80	8.00	0.00
11/13/2012 1:15	7.30	5.50	8.00	8.50	0.00
11/13/2012 1:30	7.80	7.80	7.40	5.70	2.10
11/13/2012 1:45	7.80	8.40	7.10	5.90	0.00
11/13/2012 2:00	7.70	8.20	7.20	5.70	2.50
11/13/2012 2:15	7.50	9.50	6.70	5.50	4.00
11/13/2012 2:30	6.80	5.10	7.40	8.80	0.00
11/13/2012 2:45	6.40	5.20	7.30	7.90	0.00
11/13/2012 3:00	7.70	8.40	7.10	5.60	2.80
11/13/2012 3:15	7.60	8.50	7.10	5.40	3.10
11/13/2012 3:30	6.80	5.50	7.20	7.90	0.00
11/13/2012 3:45	6.30	5.30	7.30	7.80	0.00
11/13/2012 4:00	6.30	5.50	7.50	8.10	0.00
11/13/2012 4:15	7.60	11.00	6.80	5.70	5.30
11/13/2012 4:30	7.20	8.60	6.50	5.40	3.20
11/13/2012 4:45	7.10	8.00	6.40	5.30	2.70
11/13/2012 5:00	6.60	4.90	7.20	7.30	0.00
11/13/2012 5:15	7.30	9.40	6.70	5.40	4.00
11/13/2012 5:30	7.30	8.80	6.40	5.30	3.50
11/13/2012 5:45	6.20	5.60	7.00	8.10	0.00
11/13/2012 6:00	6.10	4.90	6.80	8.60	0.00
11/13/2012 6:15	6.50	4.80	6.80	10.70	0.00
11/13/2012 6:30	6.60	9.10	6.30	4.70	4.40
11/13/2012 6:45	6.30	4.80	6.70	8.30	0.00
11/13/2012 7:00	7.20	9.60	6.50	4.90	4.70
11/13/2012 7:15	7.00	10.20	6.30	4.80	5.40
11/13/2012 7:30	6.30	4.80	7.10	11.20	0.00
11/13/2012 7:45	7.10	8.30	6.20	4.50	3.80
11/13/2012 8:00	7.20	12.20	6.50	5.30	6.90
11/13/2012 8:15	6.20	4.90	7.30	9.40	0.00
11/13/2012 8:30	5.90	4.80	7.00	8.80	0.00
11/13/2012 8:45	7.30	8.30	6.20	4.80	3.50
11/13/2012 9:00	7.70	9.90	6.30	4.60	5.30
11/13/2012 9:15	6.00	4.50	7.50	8.50	0.00
11/13/2012 9:30	7.40	8.50	6.40	5.10	3.40
11/13/2012 9:45	7.60	9.70	6.80	5.70	4.00
11/13/2012 10:00	7.60	10.20	6.00	5.40	4.80
11/13/2012 10:15	7.80	9.00	6.10	5.10	3.90
11/13/2012 10:30	6.70	4.90	7.50	8.90	0.00
11/13/2012 10:45	8.10	10.70	6.60	5.20	5.50
11/13/2012 11:00	6.20	5.00	7.70	8.70	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/13/2012 11:15	6.30	4.60	7.60	10.10	0.00
11/13/2012 11:30	7.10	8.40	6.70	4.90	3.50
11/13/2012 11:45	7.30	8.90	6.40	5.00	3.90
11/13/2012 12:00	6.70	6.70	6.10	4.80	1.90
11/13/2012 12:15	6.00	5.00	7.00	10.60	0.00
11/13/2012 12:30	6.40	4.70	7.30	12.30	0.00
11/13/2012 12:45	7.50	6.90	6.00	4.60	2.90
11/13/2012 13:00	6.10	4.80	7.80	6.90	0.00
11/13/2012 13:15	6.50	4.70	7.20	7.00	0.00
11/13/2012 13:30	6.10	4.60	7.40	6.70	0.00
11/13/2012 13:45	8.30	7.10	6.10	4.40	3.90
11/13/2012 14:00	6.30	4.80	7.20	7.50	0.00
11/13/2012 14:15	44.20	53.10	6.10	4.70	48.40
11/13/2012 14:30	6.00	4.80	44.20	54.50	0.00
11/13/2012 14:45	6.40	4.80	24.80	23.80	0.00
11/13/2012 15:00	6.10	4.50	21.70	19.60	0.00
11/13/2012 15:15	6.00	4.50	15.50	16.10	0.00
11/13/2012 15:30	6.10	4.30	17.30	17.60	0.00
11/13/2012 15:45	6.00	4.10	16.50	22.20	0.00
11/13/2012 16:00	5.90	5.40	11.10	15.30	0.00
11/13/2012 16:15	13.90	18.80	6.10	4.40	14.40
11/13/2012 16:30	13.50	14.80	5.90	4.40	10.40
11/13/2012 16:45	11.10	12.90	6.00	5.30	7.60
11/13/2012 17:00	6.00	4.30	13.50	13.20	0.00
11/13/2012 17:15	13.10	16.00	6.10	4.60	11.40
11/13/2012 17:30	6.20	4.80	12.70	13.60	0.00
11/13/2012 17:45	6.40	4.70	11.40	12.30	0.00
11/13/2012 18:00	6.90	4.70	10.80	12.30	0.00
11/13/2012 18:15	9.40	11.80	6.40	4.70	7.10
11/13/2012 18:30	11.10	9.90	6.20	4.60	6.50
11/13/2012 18:45	6.30	5.00	10.60	13.40	0.00
11/13/2012 19:00	6.40	5.00	8.70	11.00	0.00
11/13/2012 19:15	9.90	11.00	7.30	5.50	5.50
11/13/2012 19:30	6.80	5.50	11.20	13.50	0.00
11/13/2012 19:45	10.20	11.10	6.50	5.60	5.50
11/13/2012 20:00	6.40	5.60	10.70	12.60	0.00
11/13/2012 20:15	7.20	5.30	9.40	11.60	0.00
11/13/2012 20:30	7.60	6.20	10.60	11.50	0.00
11/13/2012 20:45	7.60	6.30	9.10	10.00	0.00
11/13/2012 21:00	10.10	10.90	8.50	6.20	4.70
11/13/2012 21:15	7.30	5.60	11.20	11.50	0.00
11/13/2012 21:30	8.80	6.50	10.70	10.60	0.00
11/13/2012 21:45	11.00	11.10	8.60	6.70	4.40
11/13/2012 22:00	8.10	6.10	10.40	11.30	0.00
11/13/2012 22:15	9.30	10.70	13.50	11.40	0.00
11/13/2012 22:30	10.20	10.80	7.60	5.80	5.00
11/13/2012 22:45	6.90	5.40	9.90	10.70	0.00
11/13/2012 23:00	9.80	6.60	9.10	8.80	1.00
11/13/2012 23:15	9.10	9.20	9.90	8.00	1.20
11/13/2012 23:30	9.90	7.20	9.60	9.90	0.30
11/13/2012 23:45	7.50	5.50	9.10	10.10	0.00
11/14/2012 0:00	7.70	5.90	9.20	9.60	0.00
11/14/2012 0:15	8.20	8.50	8.40	6.30	2.20
11/14/2012 0:30	8.10	5.80	9.00	9.70	0.00
11/14/2012 0:45	7.80	5.60	9.40	9.50	0.00
11/14/2012 1:00	8.00	8.80	6.80	5.20	3.60
11/14/2012 1:15	7.80	5.40	8.90	9.20	0.00
11/14/2012 1:30	8.60	8.40	7.50	5.80	2.80
11/14/2012 1:45	8.20	5.90	8.00	8.50	0.20
11/14/2012 2:00	7.80	8.00	7.70	5.50	2.50
11/14/2012 2:15	7.30	5.50	8.60	9.20	0.00
11/14/2012 2:30	7.50	5.50	8.60	9.00	0.00
11/14/2012 2:45	7.20	5.40	7.70	7.80	0.00
11/14/2012 3:00	6.90	5.30	8.10	8.00	0.00
11/14/2012 3:15	6.80	5.40	8.20	8.30	0.00
11/14/2012 3:30	7.00	4.90	7.40	7.70	0.00
11/14/2012 3:45	7.20	5.40	7.90	7.90	0.00
11/14/2012 4:00	7.80	7.80	7.30	5.00	2.80
11/14/2012 4:15	7.50	5.30	8.90	8.10	0.00
11/14/2012 4:30	7.40	5.50	7.60	8.00	0.00
11/14/2012 4:45	6.90	4.90	8.10	7.80	0.00
11/14/2012 5:00	7.00	5.10	7.50	7.70	0.00
11/14/2012 5:15	6.70	5.10	8.80	7.50	0.00
11/14/2012 5:30	7.20	4.90	7.60	7.80	0.00
11/14/2012 5:45	7.00	4.80	7.90	7.70	0.00
11/14/2012 6:00	7.50	5.20	7.70	7.70	0.00
11/14/2012 6:15	8.30	6.10	7.60	7.40	0.90
11/14/2012 6:30	7.50	7.50	6.80	5.10	2.40
11/14/2012 6:45	6.70	5.00	7.50	7.30	0.00
11/14/2012 7:00	7.80	7.60	6.70	5.00	2.80
11/14/2012 7:15	6.90	4.60	7.70	7.50	0.00
11/14/2012 7:30	7.30	5.20	7.70	7.40	0.00
11/14/2012 7:45	6.30	4.30	8.70	10.00	0.00
11/14/2012 8:15	6.90	12.30	6.70	4.90	7.40
11/14/2012 8:30	9.70	10.40	6.40	5.00	5.40
11/14/2012 8:45	6.70	4.70	9.30	10.80	0.00
11/14/2012 9:00	9.10	10.50	6.60	4.90	0.00
11/14/2012 9:15	6.60	4.80	7.50	9.00	0.00
11/14/2012 9:30	7.30	8.20	6.70	4.90	3.30



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/14/2012 9:45	9.80	10.80	6.90	4.70	6.10
11/14/2012 10:00	6.70	4.60	7.90	11.10	0.00
11/14/2012 10:15	6.30	4.50	11.10	11.00	0.00
11/14/2012 10:30	6.40	4.70	10.70	11.50	0.00
11/14/2012 10:45	6.60	4.80	7.90	10.80	0.00
11/14/2012 11:00	7.10	11.10	6.40	4.90	6.20
11/14/2012 11:15	6.30	4.50	11.10	11.10	0.00
11/14/2012 11:30	6.60	4.50	10.30	11.10	0.00
11/14/2012 11:45	6.90	4.60	7.40	10.80	0.00
11/14/2012 12:00	8.50	11.00	7.30	4.60	6.40
11/14/2012 12:15	6.60	4.40	11.00	10.60	0.00
11/14/2012 12:30	6.50	4.40	10.80	10.30	0.00
11/14/2012 12:45	6.60	4.40	9.60	9.90	0.00
11/14/2012 13:00	10.70	10.20	6.70	4.30	6.40
11/14/2012 13:15	6.80	4.50	9.90	10.00	0.00
11/14/2012 13:30	6.70	4.30	9.60	9.50	0.00
11/14/2012 13:45	6.80	4.40	10.50	9.60	0.00
11/14/2012 14:00	6.80	4.40	9.10	9.30	0.00
11/14/2012 14:15	7.30	9.50	6.70	4.30	5.20
11/14/2012 14:30	9.10	9.40	7.40	4.30	5.10
11/14/2012 14:45	6.70	5.00	9.40	9.80	0.00
11/14/2012 15:00	7.10	5.00	8.50	8.40	0.00
11/14/2012 15:15	7.10	5.10	8.90	9.80	0.00
11/14/2012 15:30	8.50	8.70	7.00	4.70	4.00
11/14/2012 15:45	6.60	4.70	9.00	9.20	0.00
11/14/2012 16:00	9.90	11.30	6.80	4.70	6.60
11/14/2012 16:15	7.10	4.60	17.50	15.50	0.00
11/14/2012 16:30	10.00	10.60	7.50	4.90	5.70
11/14/2012 16:45	11.60	11.50	6.80	5.10	6.50
11/14/2012 17:00	10.90	10.90	7.30	5.10	5.80
11/14/2012 17:15	6.90	4.80	10.50	9.80	0.00
11/14/2012 17:30	7.20	5.40	10.50	10.80	0.00
11/14/2012 17:45	7.10	5.00	10.20	10.20	0.00
11/14/2012 18:00	7.30	5.00	8.00	9.50	0.00
11/14/2012 18:15	7.60	8.40	6.80	4.90	3.50
11/14/2012 18:30	7.10	5.20	10.30	10.20	0.00
11/14/2012 18:45	6.90	5.40	9.70	9.70	0.00
11/14/2012 19:00	8.00	7.90	7.70	5.70	2.30
11/14/2012 19:15	7.20	5.90	8.40	8.50	0.00
11/14/2012 19:30	6.40	5.00	8.30	8.20	0.00
11/14/2012 19:45	6.80	5.30	8.80	8.60	0.00
11/14/2012 20:00	7.50	8.00	7.20	6.00	2.00
11/14/2012 20:15	8.40	7.80	7.00	5.30	0.00
11/14/2012 20:30	8.00	7.80	7.00	5.20	2.80
11/14/2012 20:45	8.90	8.40	7.20	5.30	3.60
11/14/2012 21:00	7.80	5.30	8.30	7.80	0.00
11/14/2012 21:15	7.80	7.80	7.60	5.20	0.00
11/14/2012 21:30	7.10	5.20	7.10	7.40	0.00
11/14/2012 21:45	6.90	5.20	7.60	8.70	0.00
11/14/2012 22:00	8.30	7.90	7.70	5.30	3.00
11/14/2012 22:15	8.10	7.70	8.50	5.20	2.90
11/14/2012 22:30	7.10	5.30	8.80	8.10	0.00
11/14/2012 22:45	7.60	5.20	7.90	7.80	0.00
11/14/2012 23:00	9.70	6.10	7.90	8.00	1.80
11/14/2012 23:15	8.90	6.10	7.90	7.70	1.20
11/14/2012 23:30	8.00	8.00	7.90	6.10	1.90
11/14/2012 23:45	8.20	7.90	7.50	5.10	3.10
11/15/2012 0:00	7.70	5.20	8.40	7.70	0.00
11/15/2012 0:15	9.60	6.80	7.50	8.20	2.10
11/15/2012 0:30	9.50	7.20	7.60	7.40	2.10
11/15/2012 0:45	8.50	8.20	7.90	5.90	2.60
11/15/2012 1:00	7.70	5.30	7.90	8.10	0.00
11/15/2012 1:15	7.70	5.80	7.30	7.90	0.40
11/15/2012 1:30	7.60	8.00	7.60	5.60	0.00
11/15/2012 1:45	7.40	5.30	7.40	7.70	0.00
11/15/2012 2:00	7.10	7.40	7.90	6.00	1.40
11/15/2012 2:15	7.50	7.80	8.00	5.40	2.40
11/15/2012 2:30	8.30	5.40	7.60	8.30	0.70
11/15/2012 2:45	9.80	6.00	7.00	7.60	2.80
11/15/2012 3:00	7.80	5.40	7.70	8.10	0.10
11/15/2012 3:15	7.80	5.20	7.90	7.80	0.00
11/15/2012 3:30	7.80	5.00	7.60	7.60	0.20
11/15/2012 3:45	8.20	5.10	7.90	7.60	0.60
11/15/2012 4:00	9.10	5.40	7.00	7.60	2.10
11/15/2012 4:15	7.80	7.80	8.20	6.00	1.80
11/15/2012 4:30	7.30	5.50	8.50	8.00	0.00
11/15/2012 4:45	7.80	5.40	8.10	7.50	0.30
11/15/2012 5:00	7.60	5.60	7.50	7.40	0.20
11/15/2012 5:15	7.70	5.80	7.60	7.50	0.20
11/15/2012 5:30	7.00	8.00	7.70	5.50	2.50
11/15/2012 5:45	8.10	5.40	7.30	7.50	0.80
11/15/2012 6:00	8.40	7.50	8.20	5.50	2.90
11/15/2012 6:15	6.90	5.40	8.00	7.20	0.00
11/15/2012 6:30	7.50	5.30	7.00	7.10	0.50
11/15/2012 6:45	7.40	5.10	7.20	7.10	0.30
11/15/2012 7:00	7.30	5.10	7.40	7.50	0.00
11/15/2012 7:15	7.10	5.60	6.80	7.10	0.30
11/15/2012 7:30	7.00	5.10	7.20	7.20	0.00
11/15/2012 7:45	7.30	7.30	6.80	5.20	2.10



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/15/2012 8:00	7.70	5.40	7.30	8.50	0.40
11/15/2012 8:15	8.50	6.40	7.20	8.00	1.30
11/15/2012 8:30	7.10	7.60	7.50	5.80	1.80
11/15/2012 8:45	7.30	5.10	8.10	6.90	0.40
11/15/2012 9:00	6.90	4.90	7.00	6.70	0.20
11/15/2012 9:15	7.10	5.10	7.10	6.60	0.50
11/15/2012 9:30	7.10	5.20	7.20	7.10	0.00
11/15/2012 9:45	7.30	7.00	7.30	5.20	2.10
11/15/2012 10:00	7.10	5.00	7.50	7.00	0.10
11/15/2012 10:15	7.10	6.90	7.10	5.10	2.00
11/15/2012 10:30	7.00	5.00	6.90	6.40	0.60
11/15/2012 10:45	7.20	4.90	7.10	7.50	0.10
11/15/2012 11:00	6.70	8.50	7.90	5.40	3.10
11/15/2012 11:15	7.40	5.20	7.30	6.90	0.50
11/15/2012 11:30	6.70	5.10	7.10	6.50	0.20
11/15/2012 11:45	7.10	5.40	7.10	7.70	0.00
11/15/2012 12:00	7.80	5.60	7.70	7.20	0.60
11/15/2012 12:15	7.40	6.80	6.80	5.10	2.30
11/15/2012 12:30	7.00	5.30	7.70	6.90	0.10
11/15/2012 12:45	7.50	5.70	7.20	7.80	0.30
11/15/2012 13:00	7.50	5.60	7.30	8.20	0.20
11/15/2012 13:15	7.00	4.80	7.50	7.40	0.00
11/15/2012 13:30	6.90	4.70	7.20	6.60	0.30
11/15/2012 13:45	6.60	8.20	7.20	4.90	3.30
11/15/2012 14:00	7.00	5.20	9.30	7.20	0.00
11/15/2012 14:15	7.50	5.20	7.00	6.60	0.90
11/15/2012 14:30	7.10	7.50	7.20	5.40	2.10
11/15/2012 14:45	7.10	5.00	7.70	6.80	0.30
11/15/2012 15:00	6.90	5.10	8.00	6.50	0.40
11/15/2012 15:15	6.90	5.10	7.10	6.90	0.00
11/15/2012 15:30	7.30	4.90	6.90	7.20	0.40
11/15/2012 15:45	7.40	6.80	7.10	5.30	2.10
11/15/2012 16:00	6.80	4.90	8.20	7.00	0.00
11/15/2012 16:15	7.00	5.20	7.30	7.50	0.00
11/15/2012 16:30	7.40	6.80	7.10	5.20	0.00
11/15/2012 16:45	7.10	5.80	7.50	10.80	0.00
11/15/2012 17:00	7.30	5.40	7.40	13.70	0.00
11/15/2012 17:15	11.50	17.20	7.20	5.30	11.90
11/15/2012 17:30	19.40	23.60	7.20	4.90	18.70
11/15/2012 17:45	7.10	5.10	14.80	28.10	0.00
11/15/2012 18:00	14.90	20.10	7.50	5.30	14.80
11/15/2012 18:15	7.30	5.30	11.80	18.20	0.00
11/15/2012 18:30	7.60	5.70	15.30	24.60	0.00
11/15/2012 18:45	14.60	19.10	7.10	5.60	13.50
11/15/2012 19:00	14.30	18.40	6.80	5.30	13.10
11/15/2012 19:15	9.30	5.60	14.80	13.40	0.00
11/15/2012 19:30	12.80	13.50	15.70	13.90	0.00
11/15/2012 19:45	15.70	13.30	6.90	13.10	8.80
11/15/2012 20:00	14.70	13.00	14.00	13.00	1.70
11/15/2012 20:15	14.10	17.40	14.80	12.50	4.90
11/15/2012 20:30	13.10	10.60	12.80	15.00	0.30
11/15/2012 20:45	10.50	18.20	12.00	10.40	7.80
11/15/2012 21:00	13.00	11.60	9.90	16.70	3.10
11/15/2012 21:15	10.00	22.80	13.00	11.50	11.30
11/15/2012 21:30	33.90	37.70	11.90	10.20	27.50
11/15/2012 21:45	27.50	38.90	11.10	9.60	29.30
11/15/2012 22:00	11.40	9.60	19.80	30.00	0.00
11/15/2012 22:15	11.50	9.50	13.30	35.10	0.00
11/15/2012 22:30	28.20	29.30	11.10	9.40	19.90
11/15/2012 22:45	10.30	8.30	30.90	24.20	0.00
11/15/2012 23:00	15.40	25.00	10.60	9.10	15.90
11/15/2012 23:15	24.00	40.80	10.40	8.90	31.90
11/15/2012 23:30	10.50	9.10	19.20	40.20	0.00
11/15/2012 23:45	36.40	32.60	10.40	8.90	27.50
11/16/2012 0:00	10.60	9.10	26.70	31.70	0.00
11/16/2012 0:15	24.80	41.50	9.80	8.40	33.10
11/16/2012 0:30	26.70	36.90	10.30	9.00	27.90
11/16/2012 0:45	22.00	42.30	10.30	9.60	32.70
11/16/2012 1:00	28.90	28.20	10.50	9.10	19.80
11/16/2012 1:15	23.40	28.90	10.50	8.90	20.00
11/16/2012 1:30	9.80	8.00	34.90	34.10	0.00
11/16/2012 1:45	10.60	9.00	29.30	32.70	0.00
11/16/2012 2:00	23.60	40.60	10.80	9.10	31.50
11/16/2012 2:15	10.80	9.50	44.90	56.40	0.00
11/16/2012 2:30	33.00	38.00	10.80	9.00	29.00
11/16/2012 2:45	11.60	9.80	31.40	48.50	0.00
11/16/2012 3:00	34.70	50.40	11.90	10.00	40.40
11/16/2012 3:15	26.70	45.60	12.40	9.60	36.00
11/16/2012 3:30	12.00	10.00	32.40	33.10	0.00
11/16/2012 3:45	28.60	36.50	12.50	10.10	26.40
11/16/2012 4:00	13.20	11.60	27.50	27.10	0.00
11/16/2012 4:15	23.90	32.10	13.60	12.10	20.00
11/16/2012 4:30	23.60	23.80	13.30	11.70	12.10
11/16/2012 4:45	11.80	10.10	27.10	29.90	0.00
11/16/2012 5:00	9.50	8.20	31.70	40.70	0.00
11/16/2012 5:15	13.60	11.70	22.30	36.10	0.00
11/16/2012 5:30	23.40	45.10	13.60	11.10	34.00
11/16/2012 5:45	12.80	10.60	28.50	40.20	0.00
11/16/2012 6:00	11.90	9.90	27.50	38.30	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/16/2012 6:15	15.40	13.70	25.10	35.00	0.00
11/16/2012 6:30	25.90	31.80	16.60	15.10	16.70
11/16/2012 6:45	29.90	29.20	16.10	14.00	15.90
11/16/2012 7:00	15.10	12.90	24.80	20.40	0.00
11/16/2012 7:15	23.10	23.40	15.20	14.10	0.00
11/16/2012 7:30	16.70	15.00	23.10	26.50	0.00
11/16/2012 7:45	21.20	21.80	16.10	15.00	6.80
11/16/2012 8:00	23.60	16.90	16.30	13.90	9.70
11/16/2012 8:15	15.50	21.70	12.70	10.50	11.20
11/16/2012 8:30	18.60	19.20	13.50	12.80	6.40
11/16/2012 8:45	16.00	14.60	19.20	13.00	3.00
11/16/2012 9:00	16.40	14.10	17.50	28.40	0.00
11/16/2012 9:15	16.90	23.80	17.00	14.80	9.00
11/16/2012 9:30	13.70	12.50	23.10	25.60	0.00
11/16/2012 9:45	16.30	14.30	16.70	21.60	0.00
11/16/2012 10:00	16.30	31.90	17.40	14.80	17.10
11/16/2012 10:15	10.20	17.60	17.00	15.00	2.60
11/16/2012 10:30	31.70	33.30	16.90	15.40	17.90
11/16/2012 10:45	15.80	13.70	24.10	27.90	0.00
11/16/2012 11:00	15.20	12.60	22.90	29.30	0.00
11/16/2012 11:15	23.70	28.70	20.80	18.50	10.20
11/16/2012 11:30	18.00	15.50	23.10	33.30	0.00
11/16/2012 11:45	20.80	18.50	36.70	40.50	0.00
11/16/2012 12:00	29.90	34.10	21.00	19.40	14.70
11/16/2012 12:15	24.60	29.10	16.20	15.20	13.90
11/16/2012 12:30	14.10	13.20	21.80	28.20	0.00
11/16/2012 12:45	23.40	28.10	17.60	16.40	11.70
11/16/2012 13:00	16.60	15.50	27.10	31.10	0.00
11/16/2012 13:15	12.60	11.30	23.30	27.10	0.00
11/16/2012 13:30	14.60	24.70	18.60	16.60	8.10
11/16/2012 13:45	19.10	17.00	25.60	25.10	0.00
11/16/2012 14:00	19.60	16.80	24.40	23.60	0.00
11/16/2012 14:15	23.10	19.30	14.90	23.30	8.20
11/16/2012 14:30	22.20	19.70	20.70	26.40	1.50
11/16/2012 14:45	20.70	17.50	24.20	23.80	0.00
11/16/2012 15:00	18.90	16.50	24.70	22.60	0.00
11/16/2012 15:15	18.00	16.00	22.70	21.60	0.00
11/16/2012 15:30	19.90	18.00	15.10	20.90	4.80
11/16/2012 15:45	20.20	17.90	20.40	23.00	0.00
11/16/2012 16:00	22.70	21.00	18.20	15.60	7.10
11/16/2012 16:15	16.80	15.20	19.20	21.50	0.00
11/16/2012 16:30	17.50	15.60	18.00	20.80	0.00
11/16/2012 16:45	12.90	19.10	18.50	16.70	0.00
11/16/2012 17:00	18.10	15.70	12.60	20.60	5.50
11/16/2012 17:15	17.20	15.00	44.70	54.10	0.00
11/16/2012 17:30	16.60	14.70	36.10	33.20	0.00
11/16/2012 17:45	14.70	12.50	23.90	25.20	0.00
11/16/2012 18:00	15.70	13.80	21.80	19.10	0.00
11/16/2012 18:15	28.30	22.30	20.30	16.00	12.30
11/16/2012 18:30	36.90	37.90	26.00	23.50	14.40
11/16/2012 18:45	19.60	17.90	23.90	19.50	0.10
11/16/2012 19:00	19.50	16.30	19.50	20.60	0.00
11/16/2012 19:15	21.70	20.70	22.80	19.50	2.20
11/16/2012 19:30	19.20	21.20	21.20	19.10	2.10
11/16/2012 19:45	17.50	20.90	20.70	18.30	2.60
11/16/2012 20:00	19.00	24.10	14.00	12.20	11.90
11/16/2012 20:15	16.10	14.30	19.30	48.00	0.00
11/16/2012 20:30	27.00	32.10	19.80	17.60	14.50
11/16/2012 20:45	19.50	17.30	25.20	48.70	0.00
11/16/2012 21:00	16.20	14.80	32.20	35.00	0.00
11/16/2012 21:15	25.40	43.70	19.50	17.10	26.60
11/16/2012 21:30	28.50	50.10	18.90	16.00	34.10
11/16/2012 21:45	25.50	48.40	18.40	15.60	32.80
11/16/2012 22:00	17.50	15.70	33.00	48.70	0.00
11/16/2012 22:15	24.40	46.80	17.10	14.70	0.00
11/16/2012 22:30	35.20	46.50	17.20	14.80	31.70
11/16/2012 22:45	15.80	13.40	37.10	43.10	0.00
11/16/2012 23:00	16.50	14.20	36.80	57.40	0.00
11/16/2012 23:15	17.00	14.70	30.50	34.60	0.00
11/16/2012 23:30	33.60	43.20	16.60	14.40	28.80
11/16/2012 23:45	14.60	12.60	35.70	65.60	0.00
11/17/2012 0:00	15.30	12.90	36.50	54.20	0.00
11/17/2012 0:15	16.60	14.60	18.10	51.50	0.00
11/17/2012 0:30	31.40	47.80	15.90	13.60	0.00
11/17/2012 0:45	16.00	13.50	31.30	39.30	0.00
11/17/2012 1:00	14.60	12.20	29.10	36.20	0.00
11/17/2012 1:15	14.00	11.60	33.30	38.90	0.00
11/17/2012 1:30	30.70	33.30	16.10	14.50	18.80
11/17/2012 1:45	24.80	28.90	16.50	13.90	15.00
11/17/2012 2:00	16.40	14.00	30.60	35.10	0.00
11/17/2012 2:15	31.50	34.30	14.50	11.80	22.50
11/17/2012 2:30	14.50	11.90	30.60	29.40	0.00
11/17/2012 2:45	16.70	14.50	17.60	26.60	0.00
11/17/2012 3:00	17.70	14.20	24.00	24.10	0.00
11/17/2012 3:15	16.50	13.90	25.90	26.80	0.00
11/17/2012 3:30	19.90	27.40	14.50	11.50	15.90
11/17/2012 3:45	39.50	42.60	14.90	11.90	30.70
11/17/2012 4:00	17.40	14.60	31.70	35.40	0.00
11/17/2012 4:15	19.90	15.80	28.20	31.40	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/17/2012 4:30	19.10	15.60	26.60	27.30	0.00
11/17/2012 4:45	15.90	11.90	27.60	32.60	0.00
11/17/2012 5:00	24.50	31.40	20.10	16.60	14.80
11/17/2012 5:15	78.50	73.30	25.90	34.40	52.60
11/17/2012 5:30	19.10	37.00	43.80	41.80	0.00
11/17/2012 5:45	28.70	23.30	31.70	34.20	0.00
11/17/2012 6:00	20.90	21.20	26.60	32.50	0.00
11/17/2012 6:15	31.20	27.10	19.50	31.70	11.70
11/17/2012 6:30	30.10	25.20	27.50	37.90	2.60
11/17/2012 6:45	28.60	24.70	29.10	35.90	0.00
11/17/2012 7:00	27.80	21.80	29.10	36.80	0.00
11/17/2012 7:15	26.00	21.90	26.40	34.30	0.00
11/17/2012 7:30	26.90	20.70	25.50	29.90	1.40
11/17/2012 7:45	26.60	21.90	23.90	31.70	2.70
11/17/2012 8:00	24.50	20.70	26.80	45.60	0.00
11/17/2012 8:15	24.60	21.20	35.60	46.90	0.00
11/17/2012 8:30	26.60	22.60	31.80	44.90	0.00
11/17/2012 8:45	26.40	36.70	27.30	23.10	0.00
11/17/2012 9:00	26.50	23.40	24.30	43.40	2.20
11/17/2012 9:15	25.30	22.20	33.10	45.50	0.00
11/17/2012 9:30	24.90	21.90	42.50	46.70	0.00
11/17/2012 9:45	25.00	21.60	35.90	41.30	0.00
11/17/2012 10:00	24.30	41.60	25.10	20.80	20.80
11/17/2012 10:15	22.70	20.00	35.10	43.80	0.00
11/17/2012 10:30	24.20	44.80	23.40	20.30	24.50
11/17/2012 10:45	24.10	20.20	37.00	47.80	0.00
11/17/2012 11:00	37.70	47.20	24.90	21.50	0.00
11/17/2012 11:15	25.00	20.90	30.00	41.80	0.00
11/17/2012 11:30	23.60	20.50	25.50	34.40	0.00
11/17/2012 11:45	24.40	21.70	19.60	34.30	4.80
11/17/2012 12:00	37.60	33.40	32.30	33.70	5.30
11/17/2012 12:15	41.10	38.90	31.60	31.00	10.10
11/17/2012 12:30	31.10	27.70	31.50	31.70	0.00
11/17/2012 12:45	26.40	30.50	30.10	26.90	3.60
11/17/2012 13:00	26.00	24.50	27.00	27.90	0.00
11/17/2012 13:15	28.40	29.10	26.50	23.60	5.50
11/17/2012 13:30	25.90	22.30	25.90	29.60	0.00
11/17/2012 13:45	46.00	35.30	23.90	28.70	22.10
11/17/2012 14:00	32.30	29.60	34.00	34.00	0.00
11/17/2012 14:15	29.40	25.70	28.30	30.80	1.10
11/17/2012 14:30	25.90	28.40	31.70	24.90	3.50
11/17/2012 14:45	23.20	28.10	30.40	26.00	2.10
11/17/2012 15:00	24.00	21.30	28.00	29.50	0.00
11/17/2012 15:15	25.90	22.20	20.20	26.80	5.70
11/17/2012 15:30	26.90	23.10	17.40	25.30	9.50
11/17/2012 15:45	26.10	28.20	23.30	19.80	8.40
11/17/2012 16:00	24.10	21.00	27.60	33.60	0.00
11/17/2012 16:15	35.00	27.90	12.60	29.20	22.40
11/17/2012 16:30	27.70	24.30	27.00	28.90	0.70
11/17/2012 16:45	27.50	29.40	25.80	23.10	6.30
11/17/2012 17:00	21.50	30.70	28.40	25.30	5.40
11/17/2012 17:15	29.00	29.90	28.20	23.30	6.60
11/17/2012 17:30	26.00	22.30	28.60	30.90	0.00
11/17/2012 17:45	16.70	32.50	27.70	23.00	9.50
11/17/2012 18:00	25.60	31.90	27.80	23.10	8.80
11/17/2012 18:15	29.60	29.40	26.80	22.20	7.40
11/17/2012 18:30	29.90	35.10	25.40	21.80	13.30
11/17/2012 18:45	24.10	22.10	25.60	28.70	0.00
11/17/2012 19:00	21.20	28.60	32.00	27.80	0.80
11/17/2012 19:15	29.70	24.40	29.20	35.10	0.50
11/17/2012 19:30	40.20	43.20	22.50	20.00	23.20
11/17/2012 19:45	29.00	34.90	30.60	26.10	8.80
11/17/2012 20:00	29.80	25.60	27.20	39.60	2.60
11/17/2012 20:15	22.90	34.00	32.80	28.20	5.80
11/17/2012 20:30	31.60	25.90	31.30	37.30	0.30
11/17/2012 20:45	25.60	21.60	34.10	37.40	0.00
11/17/2012 21:00	24.50	32.90	30.60	25.20	7.70
11/17/2012 21:15	28.40	24.20	26.80	34.90	1.60
11/17/2012 21:30	28.40	24.70	23.60	35.90	4.80
11/17/2012 21:45	24.50	20.80	27.40	36.20	0.00
11/17/2012 22:00	26.20	22.40	22.30	37.60	3.90
11/17/2012 22:15	28.90	24.10	18.10	35.70	10.80
11/17/2012 22:30	22.60	50.30	27.50	23.40	26.90
11/17/2012 22:45	27.00	22.70	34.20	51.20	0.00
11/17/2012 23:00	26.60	21.00	23.70	56.90	2.90
11/17/2012 23:15	26.70	22.30	15.10	65.70	11.60
11/17/2012 23:30	26.60	21.40	28.30	48.80	0.00
11/17/2012 23:45	28.10	22.30	47.10	67.30	0.00
11/18/2012 0:00	30.10	24.80	38.30	67.60	0.00
11/18/2012 0:15	54.70	57.00	36.00	31.10	25.90
11/18/2012 0:30	39.70	62.20	34.80	29.50	32.70
11/18/2012 0:45	34.10	29.00	30.70	45.70	3.40
11/18/2012 1:00	35.80	29.50	32.90	45.90	2.90
11/18/2012 1:15	35.50	45.80	31.30	27.00	18.80
11/18/2012 1:30	28.80	24.20	70.30	75.00	0.00
11/18/2012 1:45	68.60	68.10	29.10	24.20	0.00
11/18/2012 2:00	27.90	23.50	48.00	54.50	0.00
11/18/2012 2:15	27.20	21.90	40.10	56.40	0.00
11/18/2012 2:30	26.00	21.20	30.40	44.90	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/18/2012 2:45	25.50	21.30	50.20	60.30	0.00
11/18/2012 3:15	52.20	58.80	27.50	22.90	35.90
11/18/2012 3:30	27.20	23.10	52.10	55.10	0.00
11/18/2012 3:45	27.30	23.30	30.60	47.90	0.00
11/18/2012 4:00	27.90	43.60	28.80	24.40	0.00
11/18/2012 4:15	26.50	22.50	58.90	61.20	0.00
11/18/2012 4:30	46.70	52.70	26.60	21.50	31.20
11/18/2012 4:45	25.40	21.50	39.60	51.40	0.00
11/18/2012 5:00	29.20	23.70	25.10	53.30	4.10
11/18/2012 5:15	31.60	48.70	30.40	25.00	23.70
11/18/2012 5:30	29.40	24.30	40.00	45.40	0.00
11/18/2012 5:45	28.10	23.50	42.40	69.30	0.00
11/18/2012 6:00	27.30	22.30	46.20	58.50	0.00
11/18/2012 6:15	37.40	51.50	30.20	24.60	26.90
11/18/2012 6:30	45.40	51.40	27.60	22.30	29.10
11/18/2012 6:45	27.00	21.70	36.40	45.40	0.00
11/18/2012 7:00	29.90	23.70	35.60	44.90	0.00
11/18/2012 7:15	32.30	39.60	29.20	23.40	16.20
11/18/2012 7:30	27.30	24.10	36.10	41.20	0.00
11/18/2012 7:45	30.40	36.80	31.90	26.40	10.40
11/18/2012 8:00	25.40	42.10	33.00	27.30	14.80
11/18/2012 8:15	37.40	30.70	49.70	63.60	0.00
11/18/2012 8:30	33.90	27.80	29.70	52.90	4.20
11/18/2012 8:45	38.30	40.80	34.30	28.10	12.70
11/18/2012 9:00	33.30	27.60	26.70	39.90	6.60
11/18/2012 9:15	32.10	27.80	24.40	37.90	7.70
11/18/2012 9:30	38.40	44.30	32.50	27.20	17.10
11/18/2012 9:45	24.70	36.50	30.80	25.30	11.20
11/18/2012 10:00	35.70	38.20	31.90	26.30	11.90
11/18/2012 10:15	37.50	39.70	28.20	23.40	16.30
11/18/2012 10:30	22.00	35.90	31.20	26.20	0.00
11/18/2012 10:45	32.10	26.60	22.50	37.50	9.60
11/18/2012 11:00	28.90	22.30	35.50	41.10	0.00
11/18/2012 11:15	22.30	17.30	30.50	38.50	0.00
11/18/2012 11:30	35.40	27.20	20.60	32.90	14.80
11/18/2012 11:45	32.60	38.10	32.80	27.10	11.00
11/18/2012 12:00	30.90	25.80	31.60	42.00	0.00
11/18/2012 12:15	29.00	24.50	36.50	45.40	0.00
11/18/2012 12:30	23.80	41.80	33.30	28.60	13.20
11/18/2012 12:45	31.40	25.10	31.10	40.10	0.30
11/18/2012 13:00	32.00	27.00	31.20	41.90	0.80
11/18/2012 13:15	36.70	30.40	18.90	41.20	17.80
11/18/2012 13:30	34.50	39.10	35.70	30.00	9.10
11/18/2012 13:45	27.70	23.30	31.50	35.20	0.00
11/18/2012 14:00	36.60	31.00	26.70	34.70	9.90
11/18/2012 14:15	36.10	31.00	11.20	35.30	24.90
11/18/2012 14:30	25.10	32.50	35.80	30.10	2.40
11/18/2012 14:45	29.90	24.40	26.10	34.60	3.80
11/18/2012 15:00	24.00	36.10	44.00	34.90	1.20
11/18/2012 15:15	19.40	47.00	49.20	37.40	9.60
11/18/2012 15:30	40.20	52.50	37.00	30.40	0.00
11/18/2012 15:45	35.90	28.50	27.70	46.60	8.20
11/18/2012 16:00	31.70	27.80	27.30	39.00	4.40
11/18/2012 16:15	37.20	39.10	36.00	29.90	0.00
11/18/2012 16:30	28.50	23.20	37.50	36.70	0.00
11/18/2012 16:45	39.40	31.90	26.70	36.60	12.70
11/18/2012 17:00	31.10	26.90	22.00	28.60	9.10
11/18/2012 17:15	24.80	20.20	46.70	54.60	0.00
11/18/2012 17:30	14.40	13.10	40.20	39.80	0.00
11/18/2012 17:45	16.10	14.50	34.20	35.20	0.00
11/18/2012 18:00	33.90	28.90	26.50	33.80	7.40
11/18/2012 18:15	34.80	27.60	31.50	33.70	3.30
11/18/2012 18:30	32.90	36.20	16.50	12.10	24.10
11/18/2012 18:45	16.50	13.30	29.40	32.80	0.00
11/18/2012 19:00	29.10	23.90	16.40	34.70	12.70
11/18/2012 19:15	28.70	20.70	27.50	34.40	1.20
11/18/2012 19:30	33.30	21.80	27.10	37.50	6.20
11/18/2012 19:45	18.60	35.00	36.40	29.50	5.50
11/18/2012 20:00	38.10	29.00	22.70	34.00	15.40
11/18/2012 20:15	51.90	19.80	26.30	34.00	25.60
11/18/2012 20:30	28.70	33.60	22.60	17.50	16.10
11/18/2012 20:45	22.10	33.70	29.30	25.80	0.00
11/18/2012 21:00	40.60	34.90	22.90	32.60	17.70
11/18/2012 21:15	27.90	33.10	30.60	26.10	7.00
11/18/2012 21:30	23.20	20.20	23.80	32.10	0.00
11/18/2012 21:45	29.80	27.00	28.80	46.40	1.00
11/18/2012 22:00	31.20	28.10	21.10	49.30	10.10
11/18/2012 22:15	16.40	41.80	36.80	29.30	12.50
11/18/2012 22:30	34.30	34.90	27.70	44.30	7.20
11/18/2012 22:45	37.50	29.60	24.40	43.50	13.10
11/18/2012 23:00	21.60	41.30	28.90	23.50	17.80
11/18/2012 23:15	24.50	21.40	25.30	49.20	0.00
11/18/2012 23:30	18.70	44.50	31.60	28.30	16.20
11/18/2012 23:45	33.40	24.60	32.30	45.90	1.10
11/19/2012 0:00	36.80	29.50	24.80	37.40	12.00
11/19/2012 0:15	23.00	34.00	29.20	28.80	5.20
11/19/2012 0:30	23.80	20.90	27.30	40.00	0.00
11/19/2012 0:45	22.70	39.70	27.80	23.20	16.50
11/19/2012 1:00	28.30	22.60	28.00	39.00	0.30



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/19/2012 1:15	38.30	25.00	20.90	41.10	17.40
11/19/2012 1:30	20.60	42.60	35.70	33.20	9.40
11/19/2012 1:45	32.40	27.50	27.00	35.30	5.40
11/19/2012 2:00	34.40	23.70	24.70	39.30	9.70
11/19/2012 2:15	27.80	25.70	26.10	40.80	1.70
11/19/2012 2:30	33.20	29.10	21.50	43.70	11.70
11/19/2012 2:45	38.10	27.60	30.70	40.90	7.40
11/19/2012 3:00	21.60	34.80	33.10	27.60	7.20
11/19/2012 3:15	29.00	44.80	32.30	28.50	16.30
11/19/2012 3:30	38.10	31.30	32.90	40.40	5.20
11/19/2012 3:45	29.50	41.50	26.70	21.90	19.60
11/19/2012 4:00	34.30	29.20	32.10	56.60	2.20
11/19/2012 4:15	22.20	43.30	88.40	74.80	0.00
11/19/2012 4:30	25.50	36.40	61.30	48.70	0.00
11/19/2012 4:45	38.90	38.90	33.40	39.00	5.50
11/19/2012 5:00	40.80	34.00	29.00	32.70	11.80
11/19/2012 5:15	39.50	32.80	29.30	41.20	10.20
11/19/2012 5:30	37.50	32.10	36.70	40.60	0.80
11/19/2012 5:45	23.70	44.00	40.70	34.60	9.40
11/19/2012 6:00	40.80	38.80	28.20	40.80	12.60
11/19/2012 6:15	39.80	33.50	24.40	31.50	15.40
11/19/2012 6:30	39.00	33.00	26.00	34.40	13.00
11/19/2012 6:45	34.60	26.70	35.70	34.60	0.00
11/19/2012 7:00	30.30	24.20	29.30	32.80	1.00
11/19/2012 7:15	22.80	19.70	26.40	33.70	0.00
11/19/2012 7:30	36.70	30.20	19.20	32.10	17.50
11/19/2012 7:45	20.90	35.60	37.00	31.10	4.50
11/19/2012 8:00	25.50	20.00	32.20	32.90	0.00
11/19/2012 8:15	25.70	20.40	29.30	35.50	0.00
11/19/2012 8:30	28.60	23.10	25.50	36.40	3.10
11/19/2012 8:45	23.80	35.40	31.20	26.90	8.50
11/19/2012 9:00	30.30	33.50	34.80	29.70	3.80
11/19/2012 9:15	28.80	25.50	24.60	32.80	4.20
11/19/2012 9:30	27.70	21.70	27.00	33.20	0.70
11/19/2012 9:45	25.70	31.10	24.70	21.10	10.00
11/19/2012 10:00	20.50	31.70	32.50	25.40	6.30
11/19/2012 10:15	35.70	29.60	17.10	29.30	18.60
11/19/2012 10:30	31.50	27.30	37.60	41.30	0.00
11/19/2012 10:45	21.20	17.40	45.90	43.50	0.00
11/19/2012 11:00	28.00	21.70	76.70	73.50	0.00
11/19/2012 11:15	51.10	64.10	28.20	25.70	38.40
11/19/2012 11:30	27.60	27.80	45.10	64.50	0.00
11/19/2012 11:45	28.70	25.10	36.60	52.50	0.00
11/19/2012 12:00	27.80	41.70	31.80	27.10	14.60
11/19/2012 12:15	32.90	38.50	32.30	26.70	11.80
11/19/2012 12:30	27.90	22.40	31.70	37.70	0.00
11/19/2012 12:45	28.20	25.20	29.40	37.20	0.00
11/19/2012 13:00	30.60	25.90	27.30	36.60	3.30
11/19/2012 13:15	27.50	35.60	31.90	29.10	6.50
11/19/2012 13:30	26.00	35.90	26.10	23.30	0.00
11/19/2012 13:45	28.60	23.90	25.60	32.10	3.00
11/19/2012 14:00	31.00	26.10	28.10	36.40	2.90
11/19/2012 14:15	24.00	19.90	32.80	35.70	0.00
11/19/2012 14:30	25.40	36.30	33.70	28.60	7.70
11/19/2012 14:45	28.80	24.50	29.90	35.50	0.00
11/19/2012 15:00	21.70	19.30	30.70	35.00	0.00
11/19/2012 15:15	25.30	21.30	32.00	35.10	0.00
11/19/2012 15:30	30.70	26.30	29.00	36.60	1.70
11/19/2012 15:45	32.10	26.60	46.60	69.30	0.00
11/19/2012 16:00	27.70	22.20	58.20	61.80	0.00
11/19/2012 16:15	29.10	24.60	40.00	44.50	0.00
11/19/2012 16:30	27.90	24.10	32.10	37.20	0.00
11/19/2012 16:45	26.00	22.00	47.70	75.30	0.00
11/19/2012 17:00	25.90	21.90	37.00	46.20	0.00
11/19/2012 17:15	26.10	21.40	51.80	72.10	0.00
11/19/2012 17:30	29.40	33.80	27.00	22.50	11.30
11/19/2012 17:45	23.40	19.50	35.50	44.40	0.00
11/19/2012 18:00	25.50	20.70	32.50	38.20	0.00
11/19/2012 18:15	25.90	21.20	23.30	36.40	2.60
11/19/2012 18:30	28.00	21.70	29.90	47.80	0.00
11/19/2012 18:45	24.70	20.00	28.60	44.70	0.00
11/19/2012 19:00	26.30	22.10	30.40	41.20	0.00
11/19/2012 19:15	26.50	22.90	25.50	38.20	1.00
11/19/2012 19:30	22.70	37.70	29.80	24.00	13.70
11/19/2012 19:45	35.60	37.90	25.00	20.20	17.70
11/19/2012 20:00	23.60	22.30	39.40	45.10	0.00
11/19/2012 20:15	23.20	18.90	35.20	36.40	0.00
11/19/2012 20:30	26.70	22.50	21.40	34.20	5.30
11/19/2012 20:45	17.70	33.40	30.20	25.00	8.40
11/19/2012 21:00	28.90	40.00	25.70	21.70	18.30
11/19/2012 21:15	21.20	18.40	39.00	43.50	0.00
11/19/2012 21:30	23.90	19.70	28.80	29.20	0.00
11/19/2012 21:45	26.60	22.40	21.80	31.30	4.80
11/19/2012 22:00	24.90	21.20	36.10	40.60	0.00
11/19/2012 22:15	24.10	20.10	34.80	45.20	0.00
11/19/2012 22:30	21.90	18.00	37.60	51.40	0.00
11/19/2012 22:45	22.60	18.40	37.80	46.80	0.00
11/19/2012 23:00	22.60	18.60	23.00	44.10	0.00
11/19/2012 23:15	22.10	18.30	57.10	66.50	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/19/2012 23:30	23.90	19.50	38.70	49.10	0.00
11/19/2012 23:45	23.70	19.80	30.10	38.90	0.00
11/20/2012 0:00	20.80	17.30	39.50	43.70	0.00
11/20/2012 0:15	35.00	42.30	18.80	15.50	26.80
11/20/2012 0:30	21.80	18.00	33.10	43.40	0.00
11/20/2012 0:45	28.00	25.30	29.30	42.10	0.00
11/20/2012 1:00	33.00	27.40	31.60	39.20	1.40
11/20/2012 1:15	33.10	37.50	21.50	16.60	20.90
11/20/2012 1:30	34.30	39.30	21.40	17.30	22.00
11/20/2012 1:45	29.90	26.30	26.30	35.40	3.60
11/20/2012 2:00	31.80	25.80	29.50	40.40	2.30
11/20/2012 2:15	31.70	24.90	34.90	42.10	0.00
11/20/2012 2:30	22.60	17.20	37.90	44.20	0.00
11/20/2012 2:45	29.10	24.30	20.90	37.30	8.20
11/20/2012 3:00	19.00	37.60	29.10	25.10	12.50
11/20/2012 3:15	19.50	16.40	35.80	36.80	0.00
11/20/2012 3:30	17.80	14.20	32.80	35.90	0.00
11/20/2012 3:45	22.50	18.20	12.40	35.00	10.10
11/20/2012 4:00	26.20	22.70	24.60	34.50	1.60
11/20/2012 4:15	19.40	15.50	35.10	50.00	0.00
11/20/2012 4:30	21.10	17.00	34.90	33.80	0.00
11/20/2012 4:45	21.30	20.10	16.20	34.50	5.10
11/20/2012 5:00	20.30	41.60	23.70	19.00	22.60
11/20/2012 5:15	19.10	14.80	31.20	33.70	0.00
11/20/2012 5:30	15.50	11.70	30.20	31.90	0.00
11/20/2012 5:45	14.60	32.20	27.20	22.00	10.20
11/20/2012 6:00	22.60	31.30	30.70	25.60	5.70
11/20/2012 6:15	27.80	23.00	32.10	32.10	0.00
11/20/2012 6:30	25.40	21.10	26.10	32.00	0.00
11/20/2012 6:45	21.70	16.60	26.70	29.50	0.00
11/20/2012 7:00	21.30	17.70	24.90	29.70	0.00
11/20/2012 7:15	21.40	31.90	25.70	20.70	11.20
11/20/2012 7:30	23.90	28.60	24.90	20.90	7.70
11/20/2012 7:45	24.00	19.60	23.80	28.70	0.20
11/20/2012 8:00	22.30	18.00	25.10	28.00	0.00
11/20/2012 8:15	22.60	18.80	18.60	26.70	4.00
11/20/2012 8:30	18.70	27.10	33.80	29.70	0.00
11/20/2012 8:45	18.80	14.90	17.00	25.30	1.80
11/20/2012 9:00	16.40	10.00	23.60	25.60	0.00
11/20/2012 9:15	17.00	27.20	23.20	19.20	8.00
11/20/2012 9:30	24.70	19.10	24.10	23.60	1.10
11/20/2012 9:45	22.90	18.00	22.20	23.00	0.70
11/20/2012 10:00	24.40	17.30	20.20	24.70	4.20
11/20/2012 10:15	24.30	19.90	21.70	23.80	2.60
11/20/2012 10:30	19.80	23.60	23.40	16.80	0.00
11/20/2012 10:45	19.70	15.70	25.10	27.00	0.00
11/20/2012 11:00	14.20	24.70	29.10	19.10	5.60
11/20/2012 11:15	21.80	16.80	24.10	24.80	0.00
11/20/2012 11:30	18.80	15.00	24.30	24.30	0.00
11/20/2012 11:45	21.10	24.50	20.10	15.50	9.00
11/20/2012 12:00	23.20	16.60	25.70	24.10	0.00
11/20/2012 12:15	25.10	22.20	21.80	24.60	3.30
11/20/2012 12:30	25.60	21.00	20.00	25.10	5.60
11/20/2012 12:45	20.40	17.40	23.00	24.10	0.00
11/20/2012 13:00	19.10	13.90	19.30	24.80	0.00
11/20/2012 13:15	21.60	17.00	18.30	24.40	3.30
11/20/2012 13:30	25.10	19.60	16.20	23.40	8.90
11/20/2012 13:45	21.90	15.30	24.80	23.50	0.00
11/20/2012 14:00	19.10	14.20	17.00	23.70	2.10
11/20/2012 14:15	20.30	13.50	18.40	21.60	1.90
11/20/2012 14:30	42.40	33.30	18.10	22.80	24.30
11/20/2012 14:45	30.90	21.60	18.90	20.80	12.00
11/20/2012 15:00	18.80	22.20	27.70	18.20	4.00
11/20/2012 15:15	20.00	23.50	30.10	23.00	0.50
11/20/2012 15:30	35.90	30.30	21.80	23.30	14.10
11/20/2012 15:45	63.80	56.50	19.00	19.60	44.80
11/20/2012 16:00	36.50	30.60	21.70	22.20	14.80
11/20/2012 16:15	26.30	29.40	21.30	29.80	8.10
11/20/2012 16:30	29.00	29.00	27.50	28.70	1.50
11/20/2012 16:45	48.00	41.80	22.40	25.30	25.60
11/20/2012 17:00	36.00	29.30	25.90	28.20	10.10
11/20/2012 17:15	25.80	29.70	37.90	31.40	0.00
11/20/2012 17:30	24.00	22.50	23.70	26.80	0.30
11/20/2012 17:45	32.60	25.60	23.50	26.90	9.10
11/20/2012 18:00	55.10	47.80	21.10	23.80	34.00
11/20/2012 18:15	53.40	44.60	23.90	31.50	29.50
11/20/2012 18:30	45.30	36.50	24.70	31.30	20.60
11/20/2012 18:45	22.20	13.70	24.80	38.00	0.00
11/20/2012 19:00	31.20	28.20	21.50	36.60	9.70
11/20/2012 19:15	30.40	39.20	29.10	23.50	0.00
11/20/2012 19:30	39.20	27.50	25.70	41.10	13.50
11/20/2012 19:45	74.70	66.30	22.10	36.60	52.60
11/20/2012 20:00	32.70	35.80	62.20	49.90	0.00
11/20/2012 20:15	22.10	16.50	29.30	34.80	0.00
11/20/2012 20:30	23.40	16.40	30.70	41.40	0.00
11/20/2012 20:45	42.60	34.80	26.40	37.90	16.20
11/20/2012 21:00	23.40	35.80	44.60	37.90	0.00
11/20/2012 21:15	35.00	26.60	31.30	36.50	3.70
11/20/2012 21:30	31.00	22.40	22.40	39.40	8.60



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/20/2012 21:45	21.20	31.80	55.10	41.00	0.00
11/20/2012 22:00	34.70	35.80	43.10	31.30	4.50
11/20/2012 22:15	30.50	48.40	37.20	27.30	21.10
11/20/2012 22:30	70.90	54.00	26.30	48.00	44.60
11/20/2012 22:45	36.90	47.10	45.60	44.90	2.20
11/20/2012 23:00	31.10	24.40	30.40	47.60	0.70
11/20/2012 23:15	27.30	49.00	83.20	72.50	0.00
11/20/2012 23:30	56.70	49.60	42.90	51.10	13.80
11/20/2012 23:45	46.50	35.50	40.60	56.00	5.90
11/21/2012 0:00	39.30	25.10	36.30	51.80	3.00
11/21/2012 0:15	86.00	71.60	22.60	48.70	63.40
11/21/2012 0:30	32.60	41.60	77.50	57.90	0.00
11/21/2012 0:45	48.60	63.00	27.30	35.30	35.70
11/21/2012 1:00	107.10	92.40	29.60	31.50	77.50
11/21/2012 1:15	23.20	38.30	63.30	59.40	0.00
11/21/2012 1:30	65.80	52.10	25.90	41.20	39.90
11/21/2012 1:45	29.00	36.40	58.00	68.50	0.00
11/21/2012 2:00	28.00	33.50	35.40	30.60	2.90
11/21/2012 2:15	52.30	41.80	27.30	36.40	25.00
11/21/2012 2:30	69.10	59.60	25.60	34.90	43.50
11/21/2012 2:45	69.20	60.20	29.00	34.80	40.20
11/21/2012 3:00	28.80	30.70	87.60	94.10	0.00
11/21/2012 3:15	92.90	86.30	32.30	39.10	60.60
11/21/2012 3:30	55.30	45.40	22.90	34.40	32.40
11/21/2012 3:45	57.50	48.70	25.80	37.50	31.70
11/21/2012 4:00	51.50	52.30	30.40	37.80	21.90
11/21/2012 4:15	44.20	33.70	30.10	40.70	14.10
11/21/2012 4:30	63.10	50.00	26.80	32.50	36.30
11/21/2012 4:45	24.70	27.40	122.40	108.50	0.00
11/21/2012 5:00	26.40	33.00	49.90	40.50	0.00
11/21/2012 5:15	28.00	33.90	39.60	35.10	0.00
11/21/2012 5:30	57.10	45.10	30.10	43.40	27.00
11/21/2012 5:45	58.50	41.00	27.60	29.60	30.90
11/21/2012 6:00	39.60	39.80	30.30	36.90	9.50
11/21/2012 6:15	44.40	36.80	28.50	37.80	15.90
11/21/2012 6:30	21.60	36.80	40.50	35.30	1.50
11/21/2012 6:45	41.10	28.40	24.80	35.70	16.30
11/21/2012 7:00	39.70	23.00	27.90	39.60	11.80
11/21/2012 7:15	23.30	29.00	60.00	43.30	0.00
11/21/2012 7:30	21.60	38.40	74.20	63.50	0.00
11/21/2012 7:45	26.90	31.40	64.10	48.00	0.00
11/21/2012 8:00	64.50	47.00	28.90	33.80	35.60
11/21/2012 8:15	80.50	52.40	23.10	26.90	57.40
11/21/2012 8:30	22.20	34.20	73.20	57.60	0.00
11/21/2012 8:45	29.20	34.80	62.10	39.60	0.00
11/21/2012 9:00	29.60	43.40	32.90	33.60	10.50
11/21/2012 9:15	57.20	29.40	42.40	44.10	14.80
11/21/2012 9:30	61.70	32.50	22.30	34.20	39.40
11/21/2012 9:45	25.40	39.60	67.60	38.60	1.00
11/21/2012 10:00	63.60	43.80	29.60	40.00	34.00
11/21/2012 10:15	26.90	41.90	54.80	33.10	8.80
11/21/2012 10:30	24.00	35.10	69.00	46.80	0.00
11/21/2012 10:45	87.30	55.40	31.50	43.00	55.80
11/21/2012 11:00	64.70	37.20	33.50	41.90	31.20
11/21/2012 11:15	69.00	38.00	28.20	34.80	40.80
11/21/2012 11:30	87.50	49.90	32.00	37.50	55.50
11/21/2012 11:45	25.70	42.80	163.10	101.80	0.00
11/21/2012 12:00	27.10	37.50	131.40	70.00	0.00
11/21/2012 12:15	171.10	104.80	28.50	41.80	142.60
11/21/2012 12:30	113.10	68.30	28.00	36.10	85.10
11/21/2012 12:45	31.20	36.60	80.70	45.40	0.00
11/21/2012 13:00	86.70	43.00	30.40	37.70	56.30
11/21/2012 13:15	26.20	40.90	132.70	92.40	0.00
11/21/2012 13:30	110.20	68.10	29.30	34.20	80.90
11/21/2012 13:45	59.90	52.10	28.20	34.30	31.70
11/21/2012 14:00	47.80	35.70	31.10	41.20	16.70
11/21/2012 14:15	76.90	67.10	25.80	42.50	51.10
11/21/2012 14:30	30.10	48.90	56.00	47.30	1.60
11/21/2012 14:45	42.30	41.40	30.30	38.70	12.00
11/21/2012 15:00	44.70	35.90	28.10	48.80	16.60
11/21/2012 15:15	58.10	47.60	27.00	55.20	31.10
11/21/2012 15:30	25.00	55.50	65.20	56.70	0.00
11/21/2012 15:45	22.90	47.30	125.30	100.70	0.00
11/21/2012 16:00	25.60	37.60	44.70	37.10	0.50
11/21/2012 16:15	29.40	25.10	28.70	44.40	0.70
11/21/2012 16:30	23.80	46.00	48.70	43.60	2.40
11/21/2012 16:45	61.50	52.50	26.50	38.30	35.00
11/21/2012 17:00	57.10	47.90	25.30	40.60	31.80
11/21/2012 17:15	36.20	41.30	42.80	35.30	0.00
11/21/2012 17:30	27.30	22.60	37.20	41.00	0.00
11/21/2012 17:45	40.30	33.80	32.90	46.10	7.40
11/21/2012 18:00	51.80	43.20	43.80	44.20	8.00
11/21/2012 18:15	57.50	48.50	24.60	40.50	32.90
11/21/2012 18:30	21.70	32.80	55.60	46.90	0.00
11/21/2012 18:45	36.80	40.70	32.70	24.90	15.80
11/21/2012 19:00	31.40	39.50	23.60	18.30	21.20
11/21/2012 19:15	34.40	45.10	58.50	53.10	0.00
11/21/2012 19:30	46.40	41.60	27.10	31.10	19.30
11/21/2012 19:45	34.40	32.40	49.50	48.90	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/21/2012 20:00	46.10	41.30	36.30	42.20	9.80
11/21/2012 20:15	53.10	50.00	32.30	34.90	20.80
11/21/2012 20:30	41.00	32.40	33.90	40.70	7.10
11/21/2012 20:45	36.90	38.40	41.00	31.30	7.10
11/21/2012 21:00	35.70	43.80	36.90	36.90	6.90
11/21/2012 21:15	29.00	52.40	45.20	39.10	13.30
11/21/2012 21:30	48.10	41.20	30.60	42.80	17.50
11/21/2012 21:45	26.90	24.50	47.50	47.50	0.00
11/21/2012 22:00	26.70	23.30	47.20	50.40	0.00
11/21/2012 22:15	35.20	30.90	34.50	46.30	0.70
11/21/2012 22:30	30.80	38.90	45.10	58.20	0.00
11/21/2012 22:45	28.00	41.10	45.20	63.90	0.00
11/21/2012 23:00	38.00	52.20	37.20	50.80	15.00
11/21/2012 23:15	33.10	57.70	34.80	47.50	22.90
11/21/2012 23:30	26.70	50.90	36.10	55.20	14.80
11/21/2012 23:45	27.00	38.20	43.50	64.50	0.00
11/22/2012 0:00	34.70	60.70	36.90	43.70	23.80
11/22/2012 0:15	28.10	58.90	33.90	47.10	25.00
11/22/2012 0:30	39.70	63.00	30.90	52.50	32.10
11/22/2012 0:45	27.70	39.20	42.40	60.30	0.00
11/22/2012 1:00	43.00	57.90	40.10	46.50	17.80
11/22/2012 1:15	37.40	54.20	37.30	43.50	16.90
11/22/2012 1:30	41.20	63.60	36.90	41.50	26.70
11/22/2012 1:45	40.60	60.20	32.60	37.30	27.60
11/22/2012 2:00	29.50	58.30	44.90	59.20	13.40
11/22/2012 2:15	30.20	44.20	45.90	59.70	0.00
11/22/2012 2:30	27.80	49.60	40.90	67.50	8.70
11/22/2012 2:45	35.80	52.40	33.50	60.10	18.90
11/22/2012 3:00	31.00	47.50	37.40	52.20	10.10
11/22/2012 3:15	33.30	45.10	30.90	51.00	14.20
11/22/2012 3:30	34.20	57.60	27.00	47.30	30.60
11/22/2012 3:45	38.10	63.10	22.20	52.80	40.90
11/22/2012 4:00	44.70	65.40	21.30	52.10	44.10
11/22/2012 4:15	37.00	55.90	34.10	62.00	21.80
11/22/2012 4:30	35.30	60.50	24.90	57.30	35.60
11/22/2012 4:45	34.10	83.60	33.30	51.50	50.30
11/22/2012 5:00	24.90	52.40	34.50	79.50	17.90
11/22/2012 5:15	23.90	49.20	39.20	87.70	10.00
11/22/2012 5:30	37.50	70.30	32.20	47.80	38.10
11/22/2012 5:45	30.20	49.40	37.80	74.50	11.60
11/22/2012 6:00	45.40	77.50	30.30	63.80	47.20
11/22/2012 6:15	41.50	83.90	22.10	41.40	61.80
11/22/2012 6:30	33.80	44.80	37.70	87.90	7.10
11/22/2012 6:45	24.50	225.70	27.20	34.80	198.50
11/22/2012 7:00	22.80	60.30	30.90	45.90	29.40
11/22/2012 7:15	30.70	37.80	40.30	101.50	0.00
11/22/2012 7:30	26.00	35.20	45.60	88.60	0.00
11/22/2012 7:45	38.70	101.00	28.30	40.90	72.70
11/22/2012 8:00	27.00	55.40	28.40	99.60	27.00
11/22/2012 8:15	34.40	101.30	30.70	47.50	70.60
11/22/2012 8:30	66.50	64.10	24.40	30.90	42.10
11/22/2012 8:45	26.20	39.80	58.80	52.80	0.00
11/22/2012 9:00	32.50	44.20	69.00	62.00	0.00
11/22/2012 9:15	55.00	51.00	30.40	40.00	24.60
11/22/2012 9:30	51.90	47.10	26.00	33.90	25.90
11/22/2012 9:45	31.50	60.10	50.10	45.20	14.90
11/22/2012 10:00	39.60	36.30	32.70	41.90	6.90
11/22/2012 10:15	39.40	34.20	26.30	50.50	13.10
11/22/2012 10:30	43.20	38.40	23.10	32.70	20.10
11/22/2012 10:45	24.80	52.80	46.40	41.00	11.80
11/22/2012 11:00	32.70	78.90	46.20	41.70	37.20
11/22/2012 11:15	35.50	68.80	42.90	38.60	30.20
11/22/2012 11:30	41.80	37.50	32.30	91.90	9.50
11/22/2012 11:45	31.20	70.90	43.80	40.00	30.90
11/22/2012 12:00	39.80	37.20	60.50	104.30	0.00
11/22/2012 12:15	59.50	111.20	35.60	32.40	78.80
11/22/2012 12:30	40.80	37.00	41.70	82.40	0.00
11/22/2012 12:45	57.70	117.90	40.00	36.60	81.30
11/22/2012 13:00	60.90	121.50	31.40	29.00	92.50
11/22/2012 13:15	63.30	122.60	32.40	28.80	93.80
11/22/2012 13:30	37.70	33.80	31.90	80.10	5.80
11/22/2012 13:45	31.10	71.70	40.50	35.50	36.20
11/22/2012 14:00	51.70	77.20	37.40	33.70	43.50
11/22/2012 14:15	33.60	30.90	61.00	85.30	0.00
11/22/2012 14:30	37.80	34.40	62.70	76.30	0.00
11/22/2012 14:45	38.90	34.40	63.40	77.10	0.00
11/22/2012 15:00	38.70	33.70	78.10	110.00	0.00
11/22/2012 15:15	33.50	30.80	74.00	101.20	0.00
11/22/2012 15:30	38.60	35.20	66.90	93.10	0.00
11/22/2012 15:45	68.00	89.40	39.50	35.40	54.00
11/22/2012 16:00	74.10	96.10	36.00	32.50	63.60
11/22/2012 16:15	34.40	31.60	74.60	87.20	0.00
11/22/2012 16:30	36.10	32.70	89.20	100.50	0.00
11/22/2012 16:45	41.30	36.60	71.10	92.60	0.00
11/22/2012 17:00	42.60	38.70	54.00	83.30	0.00
11/22/2012 17:15	81.70	95.50	42.70	38.30	57.20
11/22/2012 17:30	70.20	73.60	31.40	28.80	44.80
11/22/2012 17:45	33.50	30.50	67.00	67.50	0.00
11/22/2012 18:00	63.80	67.90	40.70	35.20	32.70



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/22/2012 18:15	49.70	62.60	42.60	37.90	24.70
11/22/2012 18:30	50.70	57.20	31.10	28.00	29.20
11/22/2012 18:45	27.90	26.10	47.50	58.10	0.00
11/22/2012 19:00	41.80	36.80	40.40	62.90	1.40
11/22/2012 19:15	33.20	54.30	42.90	39.20	15.10
11/22/2012 19:30	63.10	81.00	48.40	43.80	37.20
11/22/2012 19:45	41.20	38.80	59.80	67.40	0.00
11/22/2012 20:00	43.40	57.60	42.90	38.70	18.90
11/22/2012 20:15	48.60	55.00	45.00	39.90	15.10
11/22/2012 20:30	49.90	60.00	42.40	37.60	22.40
11/22/2012 20:45	37.70	34.50	58.70	78.50	0.00
11/22/2012 21:00	48.00	67.10	43.30	40.10	27.00
11/22/2012 21:15	40.90	61.40	39.80	36.90	24.50
11/22/2012 21:30	40.70	36.60	48.20	59.50	0.00
11/22/2012 21:45	55.30	58.80	38.80	34.00	24.80
11/22/2012 22:00	41.20	37.40	50.00	52.30	0.00
11/22/2012 22:15	34.10	44.90	40.50	37.20	7.70
11/22/2012 22:30	36.70	34.10	44.90	48.20	0.00
11/22/2012 22:45	34.30	31.50	46.20	63.50	0.00
11/22/2012 23:00	35.00	30.70	43.40	56.10	0.00
11/22/2012 23:15	41.20	52.30	37.60	35.10	17.20
11/22/2012 23:30	31.80	46.50	38.60	35.40	11.10
11/22/2012 23:45	37.70	33.80	52.90	70.70	0.00
11/23/2012 0:00	55.80	62.20	38.30	35.10	27.10
11/23/2012 0:15	39.00	35.60	39.30	55.60	0.00
11/23/2012 0:30	27.80	49.10	39.10	35.90	13.20
11/23/2012 0:45	52.50	54.70	39.50	35.80	18.90
11/23/2012 1:00	54.30	50.50	37.50	33.90	20.40
11/23/2012 1:15	48.40	50.50	39.60	35.80	14.70
11/23/2012 1:30	47.30	49.90	39.40	35.40	14.50
11/23/2012 1:45	58.50	61.50	38.90	35.70	25.80
11/23/2012 2:00	49.60	56.70	37.60	33.60	23.10
11/23/2012 2:15	54.70	57.40	39.30	35.20	22.20
11/23/2012 2:30	44.20	58.50	42.90	37.40	21.10
11/23/2012 2:45	48.00	46.60	49.50	50.00	0.00
11/23/2012 3:15	48.80	46.00	61.60	58.60	0.00
11/23/2012 3:30	65.80	59.40	44.60	48.20	21.20
11/23/2012 3:45	44.10	53.30	56.30	52.70	0.60
11/23/2012 4:00	42.60	41.60	52.70	48.30	0.00
11/23/2012 4:15	45.60	40.70	47.80	44.00	1.60
11/23/2012 4:30	49.30	44.70	55.60	51.60	0.00
11/23/2012 4:45	43.20	42.10	46.60	43.20	0.00
11/23/2012 5:00	45.20	42.10	45.10	41.20	4.00
11/23/2012 5:15	53.50	49.40	41.40	41.40	12.10
11/23/2012 5:30	42.60	53.30	52.10	47.30	6.00
11/23/2012 5:45	41.10	39.00	44.10	40.10	1.00
11/23/2012 6:00	39.10	39.10	44.10	40.60	0.00
11/23/2012 6:15	38.10	40.60	46.70	42.50	0.00
11/23/2012 6:30	40.30	38.90	49.60	45.60	0.00
11/23/2012 6:45	49.40	45.30	44.70	33.30	16.10
11/23/2012 7:00	41.20	34.70	49.60	45.10	0.00
11/23/2012 7:15	40.00	36.10	48.90	45.00	0.00
11/23/2012 7:30	40.30	32.90	78.50	74.80	0.00
11/23/2012 7:45	33.90	31.60	60.60	55.80	0.00
11/23/2012 8:00	36.90	36.20	65.90	59.10	0.00
11/23/2012 8:15	46.80	42.60	59.80	56.50	0.00
11/23/2012 8:30	36.10	31.30	76.90	67.90	0.00
11/23/2012 8:45	32.40	29.70	72.80	68.00	0.00
11/23/2012 9:00	65.90	60.40	39.70	36.90	29.00
11/23/2012 9:15	60.20	53.30	41.70	37.90	22.30
11/23/2012 9:30	42.60	36.70	85.30	75.70	0.00
11/23/2012 9:45	33.60	31.50	144.40	131.70	0.00
11/23/2012 10:00	30.70	33.70	83.70	78.80	0.00
11/23/2012 10:15	40.80	37.30	71.60	65.60	0.00
11/23/2012 10:30	44.40	37.40	83.20	77.70	0.00
11/23/2012 10:45	43.80	36.30	58.60	54.60	0.00
11/23/2012 11:00	42.80	37.80	63.40	59.00	0.00
11/23/2012 11:15	84.90	76.10	44.30	34.70	50.20
11/23/2012 11:30	68.70	63.00	41.60	34.60	34.10
11/23/2012 11:45	42.60	35.40	65.60	60.30	0.00
11/23/2012 12:00	59.70	54.20	43.40	35.70	24.00
11/23/2012 12:15	57.50	52.50	40.90	32.60	24.90
11/23/2012 12:30	36.00	32.80	57.20	52.10	0.00
11/23/2012 12:45	158.60	175.70	41.60	36.20	139.50
11/23/2012 13:00	112.70	103.00	41.70	37.70	75.00
11/23/2012 13:15	82.60	77.60	35.30	35.40	47.30
11/23/2012 13:30	80.00	72.60	38.00	36.50	43.50
11/23/2012 13:45	79.90	71.50	37.30	34.30	45.60
11/23/2012 14:00	77.70	70.00	39.80	33.70	44.00
11/23/2012 14:15	67.90	62.00	37.90	32.20	35.70
11/23/2012 14:30	69.20	63.00	40.30	35.50	33.70
11/23/2012 14:45	44.10	37.40	69.40	62.70	0.00
11/23/2012 15:00	65.80	59.90	43.10	38.00	27.80
11/23/2012 15:15	51.00	34.70	62.40	56.50	0.00
11/23/2012 15:30	44.90	34.80	62.00	55.10	0.00
11/23/2012 15:45	43.50	34.80	61.10	55.40	0.00
11/23/2012 16:00	58.70	52.90	48.30	36.00	22.70
11/23/2012 16:15	44.00	34.00	58.60	52.60	0.00
11/23/2012 16:30	44.80	36.00	57.70	52.30	0.00



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11/23/2012 16:45	40.90	33.60	57.70	51.70	0.00
11/23/2012 17:00	55.60	50.50	40.10	33.10	22.50
11/23/2012 17:15	53.70	48.50	43.60	39.50	14.20
11/23/2012 17:30	53.40	47.70	40.20	35.30	18.10
11/23/2012 17:45	53.80	48.50	39.20	33.30	20.50
11/23/2012 18:00	53.90	48.70	41.70	32.50	21.40
11/23/2012 18:15	52.70	47.90	39.80	31.70	21.00
11/23/2012 18:30	52.50	46.50	42.90	49.60	9.60
11/23/2012 18:45	42.80	32.80	51.90	45.70	0.00
11/23/2012 19:00	52.20	46.20	35.10	56.70	17.10
11/23/2012 19:15	52.10	47.50	35.10	32.30	19.80
11/23/2012 19:30	51.70	46.20	42.30	32.00	19.70
11/23/2012 19:45	52.90	48.20	37.50	32.90	20.00
11/23/2012 20:00	65.70	60.60	36.60	30.40	35.30
11/23/2012 20:15	61.00	54.50	44.40	45.90	16.60
11/23/2012 20:30	54.70	50.20	40.60	38.40	16.30
11/23/2012 20:45	52.50	47.60	40.10	37.40	15.10
11/23/2012 21:00	38.70	48.90	77.50	72.50	0.00
11/23/2012 21:15	42.60	47.50	95.90	85.90	0.00
11/23/2012 21:30	92.30	83.90	46.60	47.60	45.70
11/23/2012 21:45	90.00	82.00	48.90	45.40	44.60
11/23/2012 22:00	85.10	77.40	44.30	40.30	44.80
11/23/2012 22:15	84.80	76.00	47.50	42.00	42.80
11/23/2012 22:30	96.30	89.20	48.20	39.40	56.90
11/23/2012 22:45	136.50	133.90	35.70	42.70	100.80
11/23/2012 23:00	49.00	40.70	104.40	96.20	0.00
11/23/2012 23:15	144.90	130.60	51.50	35.60	109.30
11/23/2012 23:30	79.10	71.30	48.40	35.80	43.30
11/23/2012 23:45	35.70	39.40	66.20	62.30	0.00
11/24/2012 0:00	31.60	36.60	56.40	51.00	0.00
11/24/2012 0:15	48.70	45.20	58.90	32.80	15.90
11/24/2012 0:30	53.00	48.00	50.50	31.10	21.90
11/24/2012 0:45	39.60	32.10	54.00	48.70	39.60
11/24/2012 1:00	45.40	44.10	40.50	30.90	14.50
11/24/2012 1:15	57.80	51.20	32.70	28.80	29.00
11/24/2012 1:30	127.10	120.20	35.60	31.10	96.00
11/24/2012 1:45	144.80	134.00	35.60	30.70	114.10
11/24/2012 2:00	126.20	125.90	-100000.00	-100000.00	126.20
11/24/2012 2:15	97.20	91.20	32.80	31.80	65.40
11/24/2012 2:30	95.00	89.20	28.50	27.40	67.60
11/24/2012 2:45	106.80	100.90	29.30	27.70	79.10
11/24/2012 3:00	126.80	118.70	30.60	29.60	97.20
11/24/2012 3:15	29.30	28.90	105.40	98.60	0.00
11/24/2012 3:30	27.50	26.50	107.50	94.00	0.00
11/24/2012 3:45	86.50	67.50	29.40	27.90	58.60
11/24/2012 4:00	31.80	30.20	100.90	47.40	0.00
11/24/2012 4:15	30.20	29.90	185.50	107.50	0.00
11/24/2012 4:30	99.60	92.80	27.80	26.90	72.70
11/24/2012 4:45	28.10	27.30	88.70	78.60	0.00
11/24/2012 5:00	29.30	27.70	75.00	73.10	0.00
11/24/2012 5:15	64.90	54.10	30.60	30.00	34.90
11/24/2012 5:30	29.40	30.80	101.30	82.80	0.00
11/24/2012 5:45	27.20	27.90	48.30	39.70	0.00
11/24/2012 6:00	30.70	28.90	58.50	51.60	0.00
11/24/2012 6:15	62.90	58.50	31.10	31.50	31.80
11/24/2012 6:30	77.00	65.10	31.50	31.40	45.60
11/24/2012 6:45	31.60	31.20	51.20	46.50	0.00
11/24/2012 7:00	33.20	32.50	50.40	42.60	0.00
11/24/2012 7:15	33.00	31.70	159.90	104.90	0.00
11/24/2012 7:30	152.20	83.10	30.20	29.70	122.50
11/24/2012 7:45	29.40	29.10	159.30	76.10	0.00
11/24/2012 8:00	75.90	56.40	32.00	30.60	45.30
11/24/2012 8:15	89.70	49.40	33.30	32.80	56.90
11/24/2012 8:45	85.50	53.50	27.70	30.70	57.80
11/24/2012 9:00	32.40	33.70	83.60	50.80	0.00
11/24/2012 9:15	66.00	46.50	32.00	32.90	34.00
11/24/2012 9:30	32.40	35.10	70.10	52.30	0.00
11/24/2012 9:45	68.70	52.70	28.20	31.50	40.50
11/24/2012 10:00	63.80	39.10	29.80	38.70	34.00
11/24/2012 10:15	58.10	36.30	33.30	36.50	24.80
11/24/2012 10:30	33.10	50.60	58.00	34.80	15.80
11/24/2012 10:45	33.70	34.90	57.40	36.90	0.00
11/24/2012 11:00	38.50	50.60	47.90	31.00	19.60
11/24/2012 11:15	52.20	31.10	31.10	41.50	21.10
11/24/2012 11:30	53.40	33.80	38.60	44.00	14.80
11/24/2012 11:45	34.60	44.00	51.00	39.10	4.90
11/24/2012 12:00	31.70	42.30	46.20	34.70	7.60
11/24/2012 12:15	39.50	34.20	32.50	37.10	7.00
11/24/2012 12:30	32.60	49.20	53.40	45.30	3.90
11/24/2012 12:45	48.60	40.60	34.80	47.40	13.80
11/24/2012 13:00	43.30	35.00	40.10	56.80	3.20
11/24/2012 13:15	35.60	56.30	36.90	33.40	22.90
11/24/2012 13:30	42.10	57.70	48.70	39.00	18.70
11/24/2012 13:45	38.50	33.40	39.30	55.40	0.00
11/24/2012 14:00	42.30	58.90	34.90	32.90	26.00
11/24/2012 14:15	40.10	32.30	36.30	57.50	3.80
11/24/2012 14:30	35.20	57.10	46.10	41.40	15.70
11/24/2012 14:45	34.30	32.70	30.00	44.10	4.30
11/24/2012 15:00	36.50	52.50	150.70	130.70	0.00



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11/24/2012 15:15	108.50	86.80	33.80	42.90	74.70
11/24/2012 15:30	72.40	42.80	36.00	45.00	36.40
11/24/2012 15:45	39.90	49.30	90.40	57.20	0.00
11/24/2012 16:00	71.20	34.50	39.00	45.60	32.20
11/24/2012 16:15	78.00	35.50	41.80	48.20	36.20
11/24/2012 16:30	78.70	49.90	42.90	104.90	35.80
11/24/2012 16:45	80.10	85.20	47.10	27.10	58.10
11/24/2012 17:00	58.40	73.80	47.30	39.00	34.80
11/24/2012 17:15	68.90	77.30	67.60	27.50	49.80
11/24/2012 17:30	65.00	67.70	54.10	20.60	47.10
11/24/2012 17:45	56.00	60.30	66.20	41.20	19.10
11/24/2012 18:00	69.60	38.30	51.70	50.20	19.40
11/24/2012 18:15	61.40	29.90	48.30	47.10	14.30
11/24/2012 18:30	46.70	49.30	39.30	48.40	10.00
11/24/2012 18:45	57.20	53.50	41.80	50.30	15.40
11/24/2012 19:00	-0.30	57.10	43.90	62.00	13.20
11/24/2012 19:15	146.30	52.80	47.60	51.30	98.70
11/24/2012 19:30	70.00	58.70	53.00	52.40	17.60
11/24/2012 19:45	62.00	65.20	50.60	47.60	17.60
11/24/2012 20:00	77.90	52.60	45.90	41.90	36.00
11/24/2012 20:15	104.10	62.80	41.50	39.10	65.00
11/24/2012 20:30	43.00	41.50	117.30	67.80	0.00
11/24/2012 20:45	48.20	58.50	65.30	37.90	20.60
11/24/2012 21:00	51.60	39.90	55.00	63.90	0.00
11/24/2012 21:15	47.00	37.10	55.60	52.00	0.00
11/24/2012 21:30	49.70	40.90	44.80	43.60	6.10
11/24/2012 21:45	66.60	48.60	36.40	37.00	30.20
11/24/2012 22:00	42.50	37.90	43.40	43.00	0.00
11/24/2012 22:15	45.80	44.80	62.40	38.80	7.00
11/24/2012 22:30	44.70	39.90	70.20	65.80	0.00
11/24/2012 22:45	67.80	198.80	45.30	42.60	156.20
11/24/2012 23:00	54.90	251.10	57.10	56.50	194.60
11/24/2012 23:15	30.80	119.50	70.90	66.10	53.40
11/24/2012 23:30	67.50	2.30	63.30	62.50	5.00
11/24/2012 23:45	52.30	48.20	78.20	34.60	17.70
11/25/2012 0:00	89.80	29.70	55.90	56.30	33.90
11/25/2012 0:15	84.30	27.30	60.20	63.80	24.10
11/25/2012 0:30	-0.20	32.60	55.60	53.50	0.00
11/25/2012 0:45	47.50	43.80	121.90	35.70	11.80
11/25/2012 1:00	140.10	33.90	44.60	42.50	97.60
11/25/2012 1:15	41.00	41.00	84.50	32.60	8.40
11/25/2012 1:30	84.60	29.80	45.60	42.30	42.30
11/25/2012 1:45	46.30	43.90	72.60	31.50	14.80
11/25/2012 2:00	66.70	31.70	44.40	40.90	25.80
11/25/2012 2:15	41.30	41.90	78.90	46.70	0.00
11/25/2012 2:30	71.10	55.80	41.20	37.90	33.20
11/25/2012 2:45	60.20	46.70	57.20	56.80	3.40
11/25/2012 3:00	61.50	52.50	70.10	54.40	7.10
11/25/2012 3:15	56.70	54.50	69.40	61.60	0.00
11/25/2012 3:30	60.30	55.20	46.10	41.20	19.10
11/25/2012 3:45	115.80	79.60	52.70	53.10	63.10
11/25/2012 4:00	41.20	50.50	99.20	87.30	0.00
11/25/2012 4:15	66.70	62.70	48.80	50.00	17.90
11/25/2012 4:30	45.90	44.00	54.00	59.80	0.00
11/25/2012 4:45	55.90	51.40	40.50	39.80	16.10
11/25/2012 5:00	27.00	32.40	44.30	40.30	0.00
11/25/2012 5:15	40.50	35.30	54.00	69.60	0.00
11/25/2012 5:30	57.80	62.60	36.10	30.10	32.50
11/25/2012 5:45	53.90	55.50	60.80	50.50	5.00
11/25/2012 6:00	41.50	41.40	54.40	55.90	0.00
11/25/2012 6:15	82.90	56.80	46.10	48.90	36.80
11/25/2012 6:30	51.30	51.30	99.50	97.20	0.00
11/25/2012 6:45	51.80	49.90	97.50	77.20	0.00
11/25/2012 7:00	75.80	56.50	48.90	49.30	26.90
11/25/2012 7:15	41.70	38.00	46.20	37.60	4.10
11/25/2012 7:30	50.90	49.50	40.80	40.30	10.60
11/25/2012 7:45	37.60	39.20	48.30	42.20	0.00
11/25/2012 8:00	36.10	33.10	36.80	38.00	0.00
11/25/2012 8:15	42.00	39.90	38.00	34.40	7.60
11/25/2012 8:30	41.40	37.20	34.90	34.70	6.70
11/25/2012 8:45	31.90	29.40	41.70	38.60	0.00
11/25/2012 9:00	31.90	32.10	43.70	40.80	0.00
11/25/2012 9:15	33.90	32.70	37.10	31.80	2.10
11/25/2012 9:30	129.20	117.40	36.10	29.90	99.30
11/25/2012 9:45	27.50	29.60	110.00	83.80	0.00
11/25/2012 10:00	32.90	35.20	91.90	88.10	0.00
11/25/2012 10:15	37.20	34.60	59.10	57.90	0.00
11/25/2012 10:30	50.80	50.70	33.70	31.40	19.40
11/25/2012 10:45	34.90	31.50	63.90	61.20	0.00
11/25/2012 11:00	35.00	29.40	48.60	47.70	0.00
11/25/2012 11:15	50.80	49.90	30.80	34.00	20.00
11/25/2012 11:30	30.50	37.20	46.20	46.80	0.00
11/25/2012 11:45	30.80	42.70	48.70	47.30	0.00
11/25/2012 12:00	40.30	37.50	33.30	35.80	7.00
11/25/2012 12:15	53.40	46.90	33.20	35.40	20.20
11/25/2012 12:30	49.30	46.30	29.40	32.90	19.90
11/25/2012 12:45	32.10	36.10	105.50	66.60	0.00
11/25/2012 13:00	31.60	35.40	178.90	44.30	0.00
11/25/2012 13:15	83.40	74.20	31.00	34.40	52.40



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11/25/2012 13:30	56.50	45.90	30.30	29.30	27.20
11/25/2012 13:45	31.50	28.10	37.30	29.60	1.90
11/25/2012 14:00	28.80	28.40	58.10	44.80	0.00
11/25/2012 14:15	28.30	27.30	60.60	52.90	0.00
11/25/2012 14:30	31.60	29.40	35.60	34.40	0.00
11/25/2012 14:45	107.30	53.70	29.20	27.20	80.10
11/25/2012 15:00	26.10	25.90	74.20	52.40	0.00
11/25/2012 15:15	33.40	29.00	62.60	52.60	0.00
11/25/2012 15:30	37.20	35.90	41.30	32.70	4.50
11/25/2012 15:45	83.60	74.40	34.60	33.40	50.20
11/25/2012 16:00	64.00	72.90	31.90	28.50	44.40
11/25/2012 16:15	45.30	44.40	30.80	31.20	14.50
11/25/2012 16:30	34.40	33.20	45.30	42.70	0.00
11/25/2012 16:45	51.10	60.20	38.60	31.50	28.70
11/25/2012 17:00	51.00	50.90	42.30	24.80	26.20
11/25/2012 17:15	71.90	62.10	38.20	31.10	40.80
11/25/2012 17:30	39.70	29.60	70.10	59.90	0.00
11/25/2012 17:45	75.60	63.90	32.00	30.20	45.40
11/25/2012 18:00	24.10	27.10	85.40	68.30	0.00
11/25/2012 18:15	52.30	49.60	32.20	31.80	20.50
11/25/2012 18:30	38.60	33.60	29.50	31.90	9.10
11/25/2012 18:45	31.60	26.50	54.40	129.10	0.00
11/25/2012 19:00	28.30	26.00	46.20	50.70	0.00
11/25/2012 19:15	45.80	43.90	32.80	28.80	17.00
11/25/2012 19:30	42.80	39.70	31.90	27.60	15.20
11/25/2012 19:45	41.80	41.40	52.80	27.70	14.10
11/25/2012 20:00	23.80	25.80	41.70	40.00	0.00
11/25/2012 20:15	39.50	37.90	30.40	29.20	10.30
11/25/2012 20:30	42.90	34.80	42.40	48.30	0.50
11/25/2012 20:45	37.60	30.30	42.60	37.10	0.50
11/25/2012 21:00	38.10	35.50	30.60	24.90	13.20
11/25/2012 21:15	34.70	31.90	36.80	31.00	3.70
11/25/2012 21:30	30.30	29.20	33.40	30.00	0.30
11/25/2012 21:45	34.80	33.60	24.40	26.60	10.40
11/25/2012 22:00	43.60	33.80	36.50	33.90	9.70
11/25/2012 22:15	22.30	21.50	29.60	29.20	0.00
11/25/2012 22:30	22.70	22.00	45.00	34.60	0.00
11/25/2012 22:45	36.80	31.30	31.10	30.60	6.20
11/25/2012 23:00	40.10	36.80	34.10	31.00	9.10
11/25/2012 23:15	35.80	32.90	33.90	29.70	6.10
11/25/2012 23:30	23.00	20.10	25.40	29.70	0.00
11/25/2012 23:45	37.50	38.10	36.10	29.90	8.20
11/26/2012 0:00	37.50	34.90	24.10	27.50	13.40
11/26/2012 0:15	34.60	30.60	39.30	29.30	5.30
11/26/2012 0:30	19.30	18.60	23.70	25.60	0.00
11/26/2012 0:45	33.30	30.90	32.10	24.80	8.50
11/26/2012 1:00	34.10	31.20	24.40	23.90	10.20
11/26/2012 1:15	39.00	35.10	33.50	25.10	13.90
11/26/2012 1:30	24.50	22.60	29.50	29.40	0.00
11/26/2012 1:45	22.90	23.40	28.20	30.70	0.00
11/26/2012 2:00	32.40	30.10	26.40	24.40	8.00
11/26/2012 2:15	31.60	30.10	28.30	29.90	3.30
11/26/2012 2:30	30.40	28.00	32.30	28.10	2.30
11/26/2012 2:45	19.50	17.30	26.40	32.30	0.00
11/26/2012 3:00	33.80	28.70	32.40	29.70	4.10
11/26/2012 3:15	29.40	27.60	43.30	26.00	3.40
11/26/2012 3:30	29.70	26.70	38.00	27.00	2.70
11/26/2012 3:45	35.20	26.30	24.30	24.20	11.00
11/26/2012 4:00	28.50	26.30	31.50	25.70	2.80
11/26/2012 4:15	38.40	24.60	27.30	25.30	13.10
11/26/2012 4:30	24.50	24.40	40.10	24.90	0.00
11/26/2012 4:45	19.90	21.70	34.50	26.30	0.00
11/26/2012 5:00	28.30	27.90	24.90	22.60	5.70
11/26/2012 5:15	26.50	23.80	29.20	28.70	0.00
11/26/2012 5:30	25.00	23.20	27.70	26.80	0.00
11/26/2012 5:45	18.60	17.20	34.10	29.30	0.00
11/26/2012 6:00	29.60	26.40	37.00	27.40	2.20
11/26/2012 6:15	28.00	25.70	21.70	25.10	6.30
11/26/2012 6:30	30.80	28.00	31.60	24.50	6.30
11/26/2012 6:45	28.10	26.50	25.80	28.70	2.30
11/26/2012 7:00	37.80	24.90	29.00	26.70	11.10
11/26/2012 7:15	21.70	24.80	27.30	27.20	0.00
11/26/2012 7:30	23.50	22.10	26.30	30.60	0.00
11/26/2012 7:45	31.80	28.30	29.20	26.40	5.40
11/26/2012 8:00	28.40	24.50	27.00	23.70	4.70
11/26/2012 8:15	23.30	25.80	26.00	23.30	2.50
11/26/2012 8:30	19.00	18.10	26.90	25.10	0.00
11/26/2012 8:45	24.00	24.70	23.90	22.40	2.30
11/26/2012 9:00	23.10	21.70	28.70	25.90	0.00
11/26/2012 9:15	30.80	28.50	34.50	25.60	5.20
11/26/2012 9:30	21.70	18.90	40.20	24.70	0.00
11/26/2012 9:45	25.00	25.80	26.10	23.10	2.70
11/26/2012 10:00	29.80	24.20	47.70	49.20	0.00
11/26/2012 10:15	27.10	23.10	27.90	22.60	4.50
11/26/2012 10:30	29.50	24.60	32.80	23.90	5.60
11/26/2012 10:45	29.10	21.50	41.60	33.80	0.00
11/26/2012 11:00	26.60	22.70	59.50	48.30	0.00
11/26/2012 11:15	56.80	50.10	29.20	26.60	30.20
11/26/2012 11:30	50.70	44.40	25.90	25.00	25.70



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Real-Time Turbidity Data
10-15-12 to 12-18-12
(periods of dredging)

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
11/26/2012 11:45	28.60	22.40	39.50	38.10	0.00
11/26/2012 12:00	37.90	36.20	28.40	23.60	14.30
11/26/2012 12:15	28.90	21.30	27.60	27.00	1.90
11/26/2012 12:30	27.70	23.80	29.70	23.50	4.20
11/26/2012 12:45	25.90	20.70	24.30	23.40	2.50
11/26/2012 13:00	24.80	22.50	24.80	26.30	0.00
11/26/2012 13:15	24.80	25.20	25.20	22.50	2.70
11/26/2012 13:30	29.50	22.60	21.00	18.60	10.90
11/26/2012 13:45	24.90	21.60	24.40	21.30	3.60
11/26/2012 14:00	24.80	24.00	40.80	22.80	2.00
11/26/2012 14:15	22.90	20.80	29.40	23.20	0.00
11/26/2012 14:30	23.60	21.60	31.90	24.10	0.00
11/26/2012 14:45	29.30	23.70	23.40	21.70	7.60
11/26/2012 15:00	22.30	20.90	47.30	23.90	0.00
11/26/2012 15:15	17.80	16.50	40.40	23.60	0.00
11/26/2012 15:30	33.30	24.10	17.60	17.00	0.00
11/26/2012 15:45	30.40	24.40	18.30	17.80	12.60
11/26/2012 16:00	38.50	30.70	17.60	19.20	20.90
11/26/2012 16:15	21.40	20.60	41.30	25.50	0.00
11/26/2012 16:30	38.10	33.20	33.10	25.80	12.30
11/26/2012 16:45	27.40	27.40	27.80	22.70	4.70
11/26/2012 17:00	32.60	24.50	28.70	25.50	7.10
11/26/2012 17:15	22.00	20.20	29.00	25.50	0.00
11/26/2012 17:30	31.00	23.50	31.00	28.30	2.70
11/26/2012 17:45	26.30	26.60	25.00	24.60	2.00
11/26/2012 18:00	30.70	26.50	34.10	22.20	8.50
11/26/2012 18:15	31.00	22.00	32.00	25.30	5.70
11/26/2012 18:30	29.70	21.60	19.60	17.80	11.90
11/26/2012 18:45	14.60	12.90	26.80	27.00	0.00
11/26/2012 19:00	27.10	25.50	30.70	21.90	5.20
11/26/2012 19:15	27.80	24.10	24.40	21.00	6.80
11/26/2012 19:30	28.00	22.80	25.50	23.30	4.70
11/26/2012 19:45	20.10	17.10	26.50	24.60	0.00
11/26/2012 20:00	41.80	24.80	23.10	19.90	21.90
11/26/2012 20:15	41.20	26.50	20.10	19.30	21.90
11/26/2012 20:30	44.20	31.60	20.60	19.60	24.60
11/26/2012 20:45	18.60	18.20	40.90	28.40	0.00
11/26/2012 21:00	19.20	18.00	40.00	26.10	0.00
11/26/2012 21:15	19.10	18.20	45.40	24.50	0.00
11/26/2012 21:30	22.10	20.30	31.20	23.90	0.00
11/26/2012 21:45	32.70	23.50	27.00	20.00	12.70
11/26/2012 22:00	34.40	23.60	23.30	17.70	16.70
11/26/2012 22:15	50.90	26.40	20.10	19.60	31.30
11/26/2012 22:30	33.40	24.90	26.10	20.20	13.20
11/26/2012 22:45	23.60	22.00	23.90	23.30	0.30
11/26/2012 23:00	27.30	22.40	35.70	25.60	1.70
11/26/2012 23:15	26.70	21.00	26.70	26.70	0.00
11/26/2012 23:30	30.00	30.80	25.20	19.90	10.90
11/26/2012 23:45	25.30	24.80	23.80	18.90	6.40
11/27/2012 0:00	24.90	22.10	23.40	19.50	5.40
11/27/2012 0:15	21.40	20.80	24.40	18.70	2.70
11/27/2012 0:30	19.40	16.90	19.90	18.20	1.20
11/27/2012 0:45	19.00	17.20	18.30	19.30	0.70
11/27/2012 1:00	20.80	20.10	16.60	16.30	4.50
11/27/2012 1:15	17.50	18.10	26.10	19.50	0.00
11/27/2012 1:30	20.20	18.50	20.00	17.70	2.50
11/27/2012 1:45	22.50	27.70	19.10	16.50	11.20
11/27/2012 2:00	29.10	24.50	18.20	16.30	12.80
11/27/2012 2:15	20.50	19.90	20.90	19.90	0.60
11/27/2012 2:30	19.80	18.20	22.80	22.30	0.00
11/27/2012 2:45	24.20	19.40	19.70	16.90	7.30
11/27/2012 3:00	31.70	20.40	14.40	14.40	17.30
11/27/2012 3:15	24.00	22.70	20.30	17.30	6.70
11/27/2012 3:30	26.30	22.00	20.00	19.20	7.10
11/27/2012 3:45	21.50	19.00	21.40	20.00	1.50
11/27/2012 4:00	22.30	19.90	18.90	17.30	5.00
11/27/2012 4:15	21.40	20.20	17.90	16.00	5.40
11/27/2012 4:30	38.30	21.60	15.90	14.70	23.60
11/27/2012 4:45	23.80	22.40	17.00	15.60	8.20
11/27/2012 5:00	22.60	20.80	49.30	37.90	0.00
11/27/2012 5:15	40.60	21.30	17.10	14.50	26.10
11/27/2012 5:30	13.30	13.20	30.60	25.10	0.00
11/27/2012 5:45	13.60	12.40	32.20	24.90	0.00
11/27/2012 6:00	29.30	26.50	26.50	22.30	7.00
11/27/2012 6:15	30.40	24.00	25.80	24.60	5.80
11/27/2012 6:30	15.90	14.50	45.10	23.40	0.00
11/27/2012 6:45	26.60	20.70	19.90	18.20	8.40
11/27/2012 7:00	26.80	21.00	19.40	19.10	7.70
11/27/2012 7:15	27.00	20.70	19.10	19.40	7.90
11/27/2012 7:30	18.20	15.10	27.40	21.50	0.00
11/27/2012 7:45	17.10	16.00	32.40	21.20	0.00
11/27/2012 8:00	30.20	20.90	23.20	21.10	9.10
11/27/2012 8:15	20.50	19.70	24.60	23.00	0.00
11/27/2012 8:30	19.20	18.30	21.60	20.80	0.00
11/27/2012 8:45	97.20	95.30	38.80	21.80	75.40
11/27/2012 9:00	24.20	22.00	34.10	20.20	4.00
11/27/2012 9:15	30.20	20.50	-100000.00	-100000.00	100030.20
11/27/2012 9:30	-100000.00	-100000.00	27.30	20.10	0.00
11/27/2012 9:45	-100000.00	-100000.00	21.90	20.60	0.00



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10-15-12 to 12-18-12
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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/1/2012 3:00	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 3:15	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 3:30	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 3:45	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 4:00	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 4:15	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 4:30	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 4:45	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 5:00	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 5:15	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 5:30	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 5:45	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 6:00	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 6:15	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 6:30	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 6:45	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 7:00	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 7:15	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 7:30	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 7:45	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 8:00	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 8:15	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 8:30	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 8:45	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 9:00	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 9:15	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 9:30	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 9:45	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 10:00	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 10:15	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 10:30	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 10:45	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 11:00	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 11:15	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 11:30	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 11:45	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 12:00	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 12:15	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 12:30	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 12:45	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 13:00	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 13:15	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 13:30	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 13:45	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 14:00	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 14:15	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 14:30	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 14:45	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 15:00	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 15:15	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 15:30	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 15:45	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 16:00	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 16:15	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 16:30	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 16:45	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 17:00	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 17:15	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 17:30	-100000.00	-100000.00	-100000.00	-100000.00	0.00
12/1/2012 17:45	-49997.00	-49999.80	-100000.00	-100000.00	-49997.00
12/1/2012 18:00	5.20	6.60	6.10	0.50	0.00
12/1/2012 18:15	6.10	0.50	5.20	6.60	0.90
12/1/2012 18:30	6.00	0.50	5.20	6.60	0.80
12/1/2012 18:45	6.00	0.50	5.20	6.50	0.80
12/1/2012 19:00	6.10	0.50	-100000.00	-100000.00	100006.10
12/1/2012 19:15	12.50	13.60	-100000.00	-100000.00	100013.60
12/1/2012 19:30	12.10	12.30	5.20	6.60	7.10
12/1/2012 19:45	12.10	14.10	11.80	16.10	2.30
12/1/2012 20:00	12.80	14.20	12.20	17.30	2.00
12/1/2012 20:15	12.40	14.60	11.90	15.40	2.70
12/1/2012 20:30	12.80	14.80	11.50	15.20	3.30
12/1/2012 20:45	13.40	14.40	11.20	17.10	3.20
12/1/2012 21:00	12.50	14.30	11.90	21.10	2.40
12/1/2012 21:15	13.00	14.40	12.70	20.80	1.70
12/1/2012 21:30	13.20	14.20	13.50	16.00	0.70
12/1/2012 21:45	13.00	13.00	16.70	18.90	0.00
12/1/2012 22:00	12.90	13.10	16.00	19.90	0.00
12/1/2012 22:15	12.60	15.40	12.80	17.50	2.60
12/1/2012 22:30	10.60	13.60	12.70	14.60	0.90
12/1/2012 22:45	10.50	13.50	12.30	13.60	1.20
12/1/2012 23:00	12.40	13.50	10.50	13.30	3.00
12/1/2012 23:15	12.40	12.80	12.40	14.80	0.40
12/1/2012 23:30	12.40	12.00	13.20	14.90	0.00
12/1/2012 23:45	12.00	11.40	13.00	14.30	0.00
12/2/2012 0:00	12.20	12.10	16.20	15.80	0.00
12/2/2012 0:15	12.20	10.90	14.30	14.60	0.00
12/2/2012 0:30	11.30	13.60	12.20	15.40	1.40
12/2/2012 0:45	12.20	25.30	10.60	13.10	14.70
12/2/2012 1:00	15.60	22.30	10.40	12.80	11.90



**US Army Corps
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**Indiana Harbor and Canal
Confined Disposal Facility**
*Real-Time Turbidity Data
10-15-12 to 12-18-12
(periods of dredging)*

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/2/2012 1:15	17.50	22.30	11.60	13.70	10.70
12/2/2012 1:30	17.70	20.40	14.10	15.80	6.30
12/2/2012 1:45	11.50	17.90	15.20	16.50	2.70
12/2/2012 2:00	11.40	15.80	15.80	18.40	0.00
12/2/2012 2:15	11.00	14.50	15.80	17.60	0.00
12/2/2012 2:30	23.80	27.30	14.30	45.90	13.00
12/2/2012 2:45	15.60	44.10	22.20	33.40	21.90
12/2/2012 3:15	13.10	30.10	11.90	13.70	18.20
12/2/2012 3:30	20.40	20.90	11.10	13.90	9.80
12/2/2012 3:45	22.70	24.30	23.50	36.40	0.80
12/2/2012 4:00	21.90	39.90	19.90	34.70	20.00
12/2/2012 4:15	22.60	37.30	13.30	18.10	24.00
12/2/2012 4:30	22.80	70.90	15.00	22.40	55.90
12/2/2012 4:45	22.50	65.60	19.10	25.90	46.50
12/2/2012 5:00	21.90	48.30	10.70	11.90	37.60
12/2/2012 5:15	18.60	68.20	13.10	12.40	55.80
12/2/2012 5:30	20.70	85.70	17.10	12.80	72.90
12/2/2012 5:45	28.40	71.80	18.50	13.20	58.60
12/2/2012 6:00	39.00	69.90	15.80	14.10	55.80
12/2/2012 6:15	33.10	62.30	15.70	14.90	47.40
12/2/2012 6:30	26.00	53.40	15.60	14.20	39.20
12/2/2012 6:45	22.80	50.30	14.80	12.40	37.90
12/2/2012 7:00	21.30	22.20	17.00	12.80	9.40
12/2/2012 7:15	16.60	31.80	11.70	12.40	20.10
12/2/2012 7:30	9.70	11.10	103.10	152.10	0.00
12/2/2012 7:45	81.80	135.80	19.10	11.90	123.90
12/2/2012 8:00	20.20	12.40	86.70	136.70	0.00
12/2/2012 8:15	47.50	67.80	75.00	104.90	0.00
12/2/2012 8:30	39.40	57.60	66.20	98.80	0.00
12/2/2012 8:45	49.00	80.50	62.20	88.80	18.30
12/2/2012 9:00	99.50	155.00	46.10	62.10	0.00
12/2/2012 9:15	43.60	53.90	46.90	57.60	7.00
12/2/2012 9:30	22.30	38.40	43.10	53.70	0.00
12/2/2012 9:45	43.20	78.40	26.00	45.20	52.40
12/2/2012 10:00	44.20	69.50	11.90	16.90	57.60
12/2/2012 10:15	12.70	14.90	44.70	59.50	0.00
12/2/2012 10:30	13.70	16.10	44.70	44.70	0.00
12/2/2012 10:45	44.50	42.70	13.20	14.30	31.30
12/2/2012 11:00	44.20	39.30	12.60	13.30	31.60
12/2/2012 11:15	42.20	39.40	13.80	14.50	28.40
12/2/2012 11:30	37.60	44.50	17.10	14.90	29.60
12/2/2012 11:45	40.70	106.80	14.10	14.90	92.70
12/2/2012 12:00	39.40	91.70	12.50	14.60	79.20
12/2/2012 12:15	11.80	14.60	38.10	73.10	0.00
12/2/2012 12:30	11.90	14.80	37.50	47.10	0.00
12/2/2012 12:45	12.60	14.00	32.50	67.80	0.00
12/2/2012 13:00	36.00	75.60	17.90	13.40	62.20
12/2/2012 13:15	34.60	43.00	18.80	14.10	28.90
12/2/2012 13:30	34.00	47.00	16.00	16.50	31.00
12/2/2012 13:45	35.10	51.20	25.70	40.20	25.50
12/2/2012 14:00	41.20	56.60	25.40	42.40	31.20
12/2/2012 14:15	30.10	34.70	21.10	27.20	13.60
12/2/2012 14:30	30.00	43.20	23.50	32.40	19.70
12/2/2012 14:45	30.80	42.60	16.70	20.00	25.90
12/2/2012 15:00	29.10	38.20	26.60	30.30	11.60
12/2/2012 15:15	33.10	36.90	24.00	53.40	12.90
12/2/2012 15:30	33.70	38.40	16.20	37.60	22.20
12/2/2012 15:45	35.00	37.80	15.10	26.30	22.70
12/2/2012 16:00	34.40	29.50	16.10	20.90	18.30
12/2/2012 16:15	33.10	28.20	18.80	22.00	14.30
12/2/2012 16:30	33.50	34.50	45.80	69.50	0.00
12/2/2012 16:45	28.60	32.50	30.80	62.50	1.70
12/2/2012 17:00	22.90	47.20	32.60	26.80	20.40
12/2/2012 17:15	32.00	25.20	24.00	48.00	8.00
12/2/2012 17:30	31.10	24.50	21.20	34.90	9.90
12/2/2012 17:45	28.30	28.40	18.90	34.60	9.50
12/2/2012 18:00	29.30	28.60	13.90	22.70	15.40
12/2/2012 18:15	30.60	25.60	14.10	18.70	16.50
12/2/2012 18:30	81.00	76.80	13.10	18.10	67.90
12/2/2012 18:45	50.40	36.30	12.40	16.00	38.00
12/2/2012 19:00	46.70	48.60	13.10	16.40	35.50
12/2/2012 19:15	41.30	47.50	17.60	19.00	29.90
12/2/2012 19:30	16.20	19.70	45.30	44.20	0.00
12/2/2012 19:45	16.40	21.80	42.50	33.00	0.00
12/2/2012 20:00	41.90	30.30	16.60	21.40	25.30
12/2/2012 20:15	35.70	32.20	18.00	22.10	17.70
12/2/2012 20:30	34.70	30.60	18.30	21.70	16.40
12/2/2012 20:45	19.20	20.90	38.00	28.60	0.00
12/2/2012 21:00	18.60	20.00	36.10	23.00	0.00
12/2/2012 21:15	31.20	23.10	16.70	19.60	14.50
12/2/2012 21:30	29.50	23.90	15.50	19.30	14.00
12/2/2012 21:45	30.90	23.50	19.90	19.50	11.40
12/2/2012 22:00	34.10	24.40	19.70	20.00	14.40
12/2/2012 22:15	34.10	23.20	19.80	19.50	14.60
12/2/2012 22:30	32.10	23.70	17.20	20.20	14.90
12/2/2012 22:45	33.90	22.70	15.90	19.60	18.00
12/2/2012 23:00	29.10	22.40	19.20	18.90	10.20
12/2/2012 23:15	30.10	34.80	21.40	18.90	15.90
12/2/2012 23:30	26.80	34.70	19.40	19.10	15.60



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Indiana Harbor and Canal
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Real-Time Turbidity Data
10-15-12 to 12-18-12
(periods of dredging)

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/2/2012 23:45	25.30	28.80	18.00	19.00	10.80
12/3/2012 0:00	26.70	28.60	16.60	17.40	12.00
12/3/2012 0:15	24.80	32.60	16.30	18.10	16.30
12/3/2012 0:30	23.50	27.40	16.10	16.40	11.30
12/3/2012 0:45	24.90	28.30	14.10	16.50	14.20
12/3/2012 1:00	22.10	30.10	14.10	16.90	16.00
12/3/2012 1:15	23.50	21.40	14.50	16.60	9.00
12/3/2012 1:30	21.80	21.90	14.10	16.90	7.80
12/3/2012 1:45	20.90	18.70	13.90	17.80	7.00
12/3/2012 2:00	15.80	19.80	13.80	17.50	6.00
12/3/2012 2:15	20.20	21.10	13.30	17.70	7.80
12/3/2012 2:30	20.70	26.30	12.50	17.50	13.80
12/3/2012 2:45	23.60	17.00	12.20	16.40	11.40
12/3/2012 3:00	17.70	16.70	12.30	16.90	5.40
12/3/2012 3:15	16.30	15.10	11.80	17.20	4.50
12/3/2012 3:30	18.50	15.40	12.70	16.50	5.80
12/3/2012 3:45	19.70	14.40	12.60	15.80	7.10
12/3/2012 4:00	18.90	12.70	12.60	16.60	6.30
12/3/2012 4:15	18.90	12.50	12.60	18.60	6.30
12/3/2012 4:30	13.60	22.50	20.10	12.80	0.00
12/3/2012 4:45	17.40	11.60	12.10	21.60	5.30
12/3/2012 5:00	17.50	11.90	11.90	16.90	5.60
12/3/2012 5:15	16.40	12.00	11.60	16.90	4.80
12/3/2012 5:30	17.60	12.60	12.10	16.10	5.50
12/3/2012 5:45	17.90	12.40	12.00	16.40	5.90
12/3/2012 6:00	17.90	12.20	12.10	16.20	5.80
12/3/2012 6:15	18.00	11.20	12.20	15.70	5.80
12/3/2012 6:30	14.30	11.60	11.80	16.10	2.50
12/3/2012 6:45	13.80	11.50	11.90	14.50	1.90
12/3/2012 7:00	12.70	10.80	12.00	14.60	0.70
12/3/2012 7:15	17.50	11.00	11.80	14.60	5.70
12/3/2012 7:30	17.60	11.50	10.60	14.60	7.00
12/3/2012 7:45	14.40	11.70	10.80	15.20	3.60
12/3/2012 8:00	9.30	13.90	13.80	11.10	2.80
12/3/2012 8:15	13.80	11.30	9.60	14.50	4.20
12/3/2012 8:30	21.10	16.90	15.60	11.60	9.50
12/3/2012 8:45	16.40	10.70	58.80	83.70	0.00
12/3/2012 9:00	69.80	116.50	14.90	11.90	104.60
12/3/2012 9:15	20.20	21.30	28.90	41.30	0.00
12/3/2012 9:30	34.60	55.40	17.80	26.00	37.60
12/3/2012 9:45	43.20	63.40	19.60	19.60	43.80
12/3/2012 10:00	30.40	41.90	25.70	32.40	16.20
12/3/2012 10:15	24.30	33.10	30.00	42.40	3.10
12/3/2012 10:30	26.90	32.20	29.20	38.10	3.00
12/3/2012 10:45	30.70	42.00	23.50	37.10	18.50
12/3/2012 11:00	38.10	45.70	27.30	42.00	18.40
12/3/2012 11:15	33.50	30.00	26.80	44.40	6.70
12/3/2012 11:30	25.60	29.20	26.00	44.80	3.20
12/3/2012 11:45	24.00	27.10	26.70	44.00	0.40
12/3/2012 12:00	21.10	26.10	28.00	45.10	0.00
12/3/2012 12:15	21.50	27.30	26.40	44.60	0.90
12/3/2012 12:30	27.10	41.20	27.10	27.00	14.20
12/3/2012 12:45	35.50	48.00	20.90	26.10	27.10
12/3/2012 13:00	20.30	25.50	36.90	57.50	0.00
12/3/2012 13:15	20.70	24.50	161.70	258.80	0.00
12/3/2012 13:30	67.30	100.50	22.60	24.80	77.90
12/3/2012 13:45	22.10	25.60	68.30	98.10	0.00
12/3/2012 14:00	19.40	25.00	68.90	92.00	0.00
12/3/2012 14:15	27.60	28.50	44.10	80.30	0.00
12/3/2012 14:30	23.80	192.90	30.40	49.40	162.50
12/3/2012 14:45	23.00	466.70	22.60	27.90	444.10
12/3/2012 15:00	22.20	251.50	21.70	26.90	229.80
12/3/2012 15:15	21.90	-5.00	25.80	32.50	0.00
12/3/2012 15:30	23.10	19.10	25.20	31.30	0.00
12/3/2012 15:45	21.20	19.10	24.90	30.00	0.00
12/3/2012 16:00	24.10	28.60	19.30	17.40	11.20
12/3/2012 16:15	25.50	15.50	23.20	28.40	2.30
12/3/2012 16:30	22.50	28.20	24.50	14.60	13.60
12/3/2012 16:45	26.80	20.10	21.40	26.50	5.40
12/3/2012 17:00	27.80	32.70	20.80	26.50	11.90
12/3/2012 17:15	34.80	44.50	20.90	26.20	23.60
12/3/2012 17:30	36.20	51.90	20.50	25.10	31.40
12/3/2012 17:45	36.90	40.80	20.10	24.10	20.70
12/3/2012 18:00	68.20	60.30	19.80	23.70	48.40
12/3/2012 18:15	62.10	41.80	19.50	23.80	42.60
12/3/2012 18:30	49.90	24.10	19.80	23.70	30.10
12/3/2012 18:45	47.20	36.00	20.20	24.70	27.00
12/3/2012 19:00	39.20	34.20	19.80	24.20	19.40
12/3/2012 19:15	35.90	13.30	19.70	24.20	16.20
12/3/2012 19:30	31.40	14.70	19.50	23.60	11.90
12/3/2012 19:45	25.00	15.60	18.60	22.80	6.40
12/3/2012 20:00	-100000.00	-100000.00	17.70	22.30	-100000.00
12/3/2012 20:15	14.90	14.30	17.40	21.40	0.00
12/3/2012 20:30	18.30	37.20	18.00	21.20	19.20
12/3/2012 20:45	16.90	53.10	18.20	21.80	34.90
12/3/2012 21:00	42.60	39.30	17.20	20.70	25.40
12/3/2012 21:15	19.40	17.10	16.80	20.70	2.60
12/3/2012 21:30	16.00	16.90	18.00	21.50	0.00
12/3/2012 21:45	15.60	16.00	17.70	20.50	0.00



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Confined Disposal Facility
Real-Time Turbidity Data
10-15-12 to 12-18-12
(periods of dredging)

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/3/2012 22:00	21.00	18.20	17.30	21.10	3.70
12/3/2012 22:15	24.00	14.30	17.20	20.50	6.80
12/3/2012 22:30	17.40	15.00	17.20	21.10	0.20
12/3/2012 22:45	17.10	16.70	23.00	27.70	0.00
12/3/2012 23:00	18.10	17.30	22.40	34.70	0.00
12/3/2012 23:15	20.20	18.20	26.10	35.70	0.00
12/3/2012 23:30	24.00	26.30	37.20	34.30	0.00
12/3/2012 23:45	26.20	30.80	29.50	39.40	1.30
12/4/2012 0:00	21.70	33.40	68.60	81.00	0.00
12/4/2012 0:15	20.70	24.80	49.00	56.20	0.00
12/4/2012 0:30	19.50	20.30	22.70	28.20	0.00
12/4/2012 0:45	21.00	27.30	28.00	26.20	1.10
12/4/2012 1:00	20.50	27.60	28.30	28.10	0.00
12/4/2012 1:15	28.40	30.30	19.70	25.90	10.60
12/4/2012 1:30	23.60	30.10	21.10	26.60	9.00
12/4/2012 1:45	23.40	28.90	20.30	26.60	8.60
12/4/2012 2:00	32.10	34.50	20.50	28.00	14.00
12/4/2012 2:15	31.40	34.10	20.20	26.20	13.90
12/4/2012 2:30	26.40	27.60	20.30	26.90	7.30
12/4/2012 2:45	25.60	34.30	20.50	27.80	13.80
12/4/2012 3:00	20.80	28.80	22.90	35.80	5.90
12/4/2012 3:15	29.20	36.90	19.80	29.00	17.10
12/4/2012 3:30	32.70	39.90	18.90	25.90	21.00
12/4/2012 3:45	29.00	30.80	18.70	26.50	12.10
12/4/2012 4:00	27.20	45.80	18.40	24.10	27.40
12/4/2012 4:15	20.90	31.80	18.00	23.60	13.80
12/4/2012 4:30	20.10	31.40	18.00	22.40	13.40
12/4/2012 4:45	19.70	26.20	17.60	21.80	8.60
12/4/2012 5:00	25.30	39.10	18.00	22.50	21.10
12/4/2012 5:15	17.70	22.70	32.60	43.70	0.00
12/4/2012 5:30	29.10	39.00	17.70	22.20	21.30
12/4/2012 5:45	17.20	22.30	26.10	46.90	0.00
12/4/2012 6:00	22.50	40.00	17.00	23.70	23.00
12/4/2012 6:15	22.40	41.20	17.40	24.70	23.80
12/4/2012 6:30	16.80	21.10	21.70	40.80	0.00
12/4/2012 6:45	21.80	56.50	16.70	20.40	39.80
12/4/2012 7:00	20.80	37.50	16.90	20.60	20.60
12/4/2012 7:15	16.10	21.70	19.90	25.70	1.80
12/4/2012 7:30	19.90	23.90	16.20	22.20	7.70
12/4/2012 7:45	16.00	20.00	19.90	23.60	0.10
12/4/2012 8:00	19.30	23.30	15.90	19.70	7.40
12/4/2012 8:15	20.20	23.50	15.80	20.90	7.70
12/4/2012 8:30	18.10	25.00	15.70	19.60	9.30
12/4/2012 8:45	17.90	20.10	15.50	19.60	4.60
12/4/2012 9:00	15.40	19.40	19.20	22.30	0.20
12/4/2012 9:15	15.40	20.00	21.80	26.40	0.00
12/4/2012 9:30	23.20	27.80	15.20	20.80	12.60
12/4/2012 9:45	22.60	26.80	15.10	18.10	11.70
12/4/2012 10:00	39.60	41.00	-100000.00	-100000.00	100041.00
12/4/2012 10:15	36.60	22.70	-100000.00	-100000.00	100036.60
12/4/2012 10:30	32.30	18.60	17.40	19.00	14.90
12/4/2012 10:45	28.40	20.70	16.90	19.40	11.50
12/4/2012 11:00	17.40	19.40	21.20	26.30	0.00
12/4/2012 11:15	18.30	18.80	22.40	25.40	0.00
12/4/2012 11:30	19.00	20.90	23.30	26.50	0.00
12/4/2012 11:45	26.30	26.20	17.70	19.40	8.60
12/4/2012 12:00	17.30	18.50	26.40	24.30	0.00
12/4/2012 12:15	16.90	20.50	17.10	20.10	3.40
12/4/2012 12:30	15.20	20.00	17.00	19.20	3.00
12/4/2012 12:45	16.50	15.60	15.70	19.40	0.80
12/4/2012 13:00	16.00	18.00	15.40	18.90	2.60
12/4/2012 13:15	15.70	16.60	15.40	18.50	1.20
12/4/2012 13:30	16.30	17.70	14.30	17.90	3.40
12/4/2012 13:45	17.20	19.30	14.20	20.80	5.10
12/4/2012 14:00	14.00	21.10	17.80	23.20	3.30
12/4/2012 14:15	14.10	18.90	18.50	21.30	0.40
12/4/2012 14:30	15.30	24.50	38.50	38.20	0.00
12/4/2012 14:45	22.10	24.20	18.40	32.10	5.80
12/4/2012 15:00	28.60	42.10	20.90	31.50	21.20
12/4/2012 15:15	17.80	35.30	38.20	50.70	0.00
12/4/2012 15:30	32.30	42.70	16.50	20.60	26.20
12/4/2012 15:45	36.20	46.10	15.60	21.10	30.50
12/4/2012 16:00	36.80	50.10	28.40	30.90	21.70
12/4/2012 16:15	34.80	35.40	25.00	43.10	10.40
12/4/2012 16:30	16.30	29.00	20.70	36.70	0.00
12/4/2012 16:45	20.30	42.10	16.70	21.80	25.40
12/4/2012 17:00	16.90	25.30	15.00	21.80	10.30
12/4/2012 17:15	15.00	22.60	20.20	28.80	2.40
12/4/2012 17:30	14.20	25.40	16.00	60.40	9.40
12/4/2012 17:45	13.50	23.70	43.00	101.00	0.00
12/4/2012 18:00	17.00	21.00	34.30	45.50	0.00
12/4/2012 18:15	25.00	23.20	41.60	86.60	0.00
12/4/2012 18:30	35.70	71.70	18.90	24.00	52.80
12/4/2012 18:45	62.10	83.50	16.40	30.40	67.10
12/4/2012 19:00	18.70	35.10	57.40	59.00	0.00
12/4/2012 19:15	49.40	49.00	21.80	27.90	27.60
12/4/2012 19:30	41.80	43.70	22.90	21.10	22.60
12/4/2012 19:45	19.00	24.10	40.40	39.20	0.00
12/4/2012 20:00	41.60	19.10	16.80	24.40	24.80



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**Indiana Harbor and Canal
Confined Disposal Facility**
Real-Time Turbidity Data
10-15-12 to 12-18-12
(periods of dredging)

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/4/2012 20:15	20.00	22.50	27.70	16.70	5.80
12/4/2012 20:30	28.30	20.40	19.90	22.50	8.40
12/4/2012 20:45	21.60	18.90	16.00	45.40	5.60
12/4/2012 21:00	21.50	27.20	23.70	27.50	3.50
12/4/2012 21:15	20.60	24.60	21.20	23.50	0.00
12/4/2012 21:30	20.90	47.60	19.20	21.20	28.40
12/4/2012 21:45	19.10	18.30	16.50	17.90	2.60
12/4/2012 22:00	16.80	28.60	19.20	17.90	10.70
12/4/2012 22:15	16.60	28.60	31.90	17.50	11.10
12/4/2012 22:30	37.80	113.50	16.00	33.90	97.50
12/4/2012 22:45	14.60	26.60	16.10	77.00	10.50
12/4/2012 23:00	17.70	31.20	18.40	68.40	12.80
12/4/2012 23:15	14.70	66.40	17.60	28.70	48.80
12/4/2012 23:30	13.60	55.60	17.70	34.00	37.90
12/4/2012 23:45	19.00	24.60	33.40	35.00	0.00
12/5/2012 0:00	28.40	32.90	24.10	26.60	8.80
12/5/2012 0:15	27.60	31.10	23.90	42.60	7.20
12/5/2012 0:30	25.60	31.30	26.20	36.40	5.10
12/5/2012 0:45	28.90	32.80	24.70	28.90	8.10
12/5/2012 1:00	24.00	27.00	27.40	27.50	0.00
12/5/2012 1:15	23.90	27.00	25.40	25.50	1.60
12/5/2012 1:30	24.70	26.20	25.20	26.90	1.00
12/5/2012 1:45	21.50	24.60	24.70	26.70	0.00
12/5/2012 2:00	22.00	23.00	23.30	23.70	0.00
12/5/2012 2:15	21.80	24.90	23.10	24.70	1.80
12/5/2012 2:30	20.40	23.70	22.70	23.70	1.00
12/5/2012 2:45	19.90	21.70	21.60	22.30	0.10
12/5/2012 3:00	21.80	23.80	20.90	22.60	2.90
12/5/2012 3:15	20.60	31.60	19.30	21.90	12.30
12/5/2012 3:30	22.50	24.70	17.40	20.20	7.30
12/5/2012 3:45	22.40	31.90	16.60	19.50	15.30
12/5/2012 4:00	23.90	32.50	19.00	20.20	13.50
12/5/2012 4:15	25.30	31.40	26.70	22.30	9.10
12/5/2012 4:30	22.80	22.80	41.60	43.60	0.00
12/5/2012 4:45	23.00	24.40	44.70	86.40	0.00
12/5/2012 5:00	23.20	26.10	30.90	62.00	0.00
12/5/2012 5:15	24.00	25.20	27.60	36.70	0.00
12/5/2012 5:30	24.00	25.40	27.10	42.60	0.00
12/5/2012 5:45	24.30	27.30	27.90	37.00	0.00
12/5/2012 6:00	25.50	25.90	25.90	31.60	0.00
12/5/2012 6:15	26.20	25.10	24.70	27.30	1.50
12/5/2012 6:30	24.70	25.40	23.40	24.50	2.00
12/5/2012 6:45	25.50	25.70	20.90	23.40	4.80
12/5/2012 7:00	25.70	25.80	20.70	22.20	5.10
12/5/2012 7:15	26.40	25.40	23.20	40.20	3.20
12/5/2012 7:30	22.90	45.30	24.60	24.30	21.00
12/5/2012 7:45	24.40	23.40	20.50	35.90	3.90
12/5/2012 8:00	24.10	23.20	22.90	54.70	1.20
12/5/2012 8:15	24.60	68.60	23.70	23.20	45.40
12/5/2012 8:30	22.80	27.30	28.70	50.30	0.00
12/5/2012 8:45	22.70	27.90	31.90	52.10	0.00
12/5/2012 9:00	31.50	51.50	23.00	30.70	28.50
12/5/2012 9:15	24.30	30.60	34.60	36.30	0.00
12/5/2012 9:30	36.40	36.70	26.00	32.10	10.70
12/5/2012 9:45	31.40	42.80	22.20	32.30	20.60
12/5/2012 10:00	25.70	36.50	27.40	33.20	9.10
12/5/2012 10:15	24.60	34.00	26.40	32.10	7.60
12/5/2012 10:30	27.60	29.70	33.70	29.50	0.20
12/5/2012 10:45	28.20	22.80	25.60	57.40	2.60
12/5/2012 11:00	23.00	50.10	27.10	29.10	23.00
12/5/2012 11:15	27.00	54.70	26.20	31.60	28.50
12/5/2012 11:30	26.80	29.90	29.00	63.80	0.90
12/5/2012 11:45	27.40	27.20	22.90	65.70	4.50
12/5/2012 12:00	20.80	44.70	26.90	25.40	19.30
12/5/2012 12:15	25.80	56.10	27.80	22.60	33.50
12/5/2012 12:30	27.80	58.50	28.30	21.80	36.70
12/5/2012 12:45	19.20	41.60	28.70	23.70	17.90
12/5/2012 13:00	27.10	28.20	19.10	38.00	9.10
12/5/2012 13:15	18.80	33.20	26.70	23.60	9.60
12/5/2012 13:30	24.50	22.90	19.10	28.80	5.40
12/5/2012 13:45	17.70	26.90	22.50	23.30	4.40
12/5/2012 14:00	22.80	26.50	28.00	103.00	0.00
12/5/2012 14:15	23.00	24.00	39.10	99.00	0.00
12/5/2012 14:30	77.80	83.40	22.10	23.00	61.30
12/5/2012 14:45	20.50	23.40	53.30	73.60	0.00
12/5/2012 15:00	21.20	23.40	46.60	56.60	0.00
12/5/2012 15:15	23.20	31.40	40.50	50.40	0.00
12/5/2012 15:30	23.70	35.50	36.30	41.30	0.00
12/5/2012 15:45	23.90	38.20	29.30	38.50	0.00
12/5/2012 16:00	26.50	42.40	21.20	31.10	21.20
12/5/2012 16:15	32.80	49.80	18.90	29.90	30.90
12/5/2012 16:30	16.80	28.80	38.20	44.20	0.00
12/5/2012 16:45	16.40	28.40	31.60	32.50	0.00
12/5/2012 17:00	19.50	26.80	33.50	52.00	0.00
12/5/2012 17:15	19.60	25.50	45.10	38.70	0.00
12/5/2012 17:30	24.00	25.00	35.70	42.10	0.00
12/5/2012 17:45	17.90	24.90	31.60	44.10	0.00
12/5/2012 18:00	20.20	23.60	39.00	44.80	0.00
12/5/2012 18:15	37.20	57.50	19.80	24.60	37.70



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/5/2012 18:30	18.20	23.70	35.10	52.20	0.00
12/5/2012 18:45	18.60	23.70	27.70	32.80	0.00
12/5/2012 19:00	27.20	39.70	19.90	23.60	19.80
12/5/2012 19:15	27.90	38.60	22.80	23.50	15.80
12/5/2012 19:30	21.90	23.50	29.00	38.90	0.00
12/5/2012 19:45	20.10	24.20	31.30	45.20	0.00
12/5/2012 20:00	27.70	48.10	20.10	26.00	28.00
12/5/2012 20:15	28.40	39.40	28.40	28.70	11.00
12/5/2012 20:30	27.40	39.30	24.10	24.10	15.20
12/5/2012 20:45	40.90	72.60	22.60	24.20	50.00
12/5/2012 21:00	30.00	72.90	20.90	24.90	52.00
12/5/2012 21:15	21.90	26.40	28.30	51.10	0.00
12/5/2012 21:30	26.20	49.30	19.90	28.60	29.40
12/5/2012 21:45	38.30	79.50	18.00	25.50	61.50
12/5/2012 22:00	41.30	60.00	19.30	24.20	40.70
12/5/2012 22:15	16.80	27.70	67.10	90.80	0.00
12/5/2012 22:30	14.80	26.90	63.70	65.10	0.00
12/5/2012 22:45	52.40	68.50	15.60	25.60	52.90
12/5/2012 23:00	15.70	26.80	66.00	104.50	0.00
12/5/2012 23:15	67.10	113.30	15.60	27.10	97.70
12/5/2012 23:30	15.90	26.20	60.40	66.60	0.00
12/5/2012 23:45	53.60	37.20	33.70	25.30	28.30
12/6/2012 0:00	33.20	54.00	41.50	26.30	27.70
12/6/2012 0:15	31.30	43.20	36.80	27.90	15.30
12/6/2012 0:30	39.50	52.70	34.60	43.00	18.10
12/6/2012 0:45	36.00	28.00	28.10	44.70	7.90
12/6/2012 1:00	28.00	36.10	25.90	37.90	10.20
12/6/2012 1:15	29.40	36.10	25.40	31.50	10.70
12/6/2012 1:30	29.80	31.80	24.40	35.50	7.40
12/6/2012 1:45	23.90	33.90	32.10	36.30	1.80
12/6/2012 2:00	30.70	34.20	23.60	30.40	10.60
12/6/2012 2:15	31.00	25.80	22.80	31.90	8.20
12/6/2012 2:30	20.60	32.90	30.30	30.50	2.60
12/6/2012 2:45	37.90	41.60	19.10	32.10	22.50
12/6/2012 3:00	31.80	61.80	18.80	32.50	43.00
12/6/2012 3:15	26.00	83.70	18.70	27.90	65.00
12/6/2012 3:30	34.10	76.20	17.80	28.50	58.40
12/6/2012 3:45	34.10	30.60	17.90	27.70	16.20
12/6/2012 4:00	28.40	41.20	17.90	25.10	23.30
12/6/2012 4:15	31.60	65.30	17.90	27.60	47.40
12/6/2012 4:30	31.60	67.70	17.90	25.60	49.80
12/6/2012 4:45	18.40	24.20	21.10	37.70	3.10
12/6/2012 5:00	23.30	22.00	20.70	24.70	2.60
12/6/2012 5:15	23.10	26.90	21.40	45.10	5.50
12/6/2012 5:30	22.10	33.00	20.30	38.90	12.70
12/6/2012 5:45	22.70	40.20	25.10	36.10	15.10
12/6/2012 6:00	21.60	42.10	20.50	34.50	21.60
12/6/2012 6:15	20.50	37.80	21.70	27.10	16.10
12/6/2012 6:30	23.20	40.40	23.20	28.20	17.20
12/6/2012 6:45	21.20	46.10	25.10	29.80	21.00
12/6/2012 7:00	24.50	29.30	22.50	27.30	6.80
12/6/2012 7:15	21.30	32.80	20.60	28.00	12.20
12/6/2012 7:30	20.80	24.30	20.50	27.00	3.80
12/6/2012 7:45	23.10	23.80	20.50	26.80	3.30
12/6/2012 8:00	23.20	25.40	20.60	24.90	4.80
12/6/2012 8:15	20.70	25.20	24.20	30.30	1.00
12/6/2012 8:30	27.00	22.50	20.60	25.20	6.40
12/6/2012 8:45	25.00	24.90	20.40	25.40	4.60
12/6/2012 9:00	23.80	37.60	20.30	24.90	17.30
12/6/2012 9:15	20.10	25.00	26.80	46.30	0.00
12/6/2012 9:30	20.40	26.40	28.90	82.90	0.00
12/6/2012 9:45	20.00	25.90	34.20	91.60	0.00
12/6/2012 10:00	19.60	24.40	38.00	69.40	0.00
12/6/2012 10:15	18.20	23.40	54.10	32.80	0.00
12/6/2012 10:30	18.70	22.40	27.50	31.30	0.00
12/6/2012 10:45	17.50	19.80	32.90	39.60	0.00
12/6/2012 11:00	16.80	19.30	28.50	46.90	0.00
12/6/2012 11:15	32.00	49.80	16.30	19.10	33.50
12/6/2012 11:30	16.60	18.80	30.00	47.90	0.00
12/6/2012 11:45	16.70	18.70	37.10	55.40	0.00
12/6/2012 12:00	30.40	45.70	16.80	18.30	28.90
12/6/2012 12:15	35.90	40.40	17.50	20.10	22.90
12/6/2012 12:30	38.00	48.70	18.60	20.50	30.10
12/6/2012 12:45	17.80	19.80	17.30	26.20	2.50
12/6/2012 13:00	19.90	23.90	16.90	18.50	7.00
12/6/2012 13:15	21.50	23.40	17.70	19.20	5.70
12/6/2012 13:30	20.40	23.20	17.00	19.70	6.20
12/6/2012 13:45	22.10	23.40	17.10	18.60	6.30
12/6/2012 14:00	24.10	23.40	18.60	18.70	5.50
12/6/2012 14:15	23.90	24.10	19.80	17.90	6.20
12/6/2012 14:30	19.60	22.50	25.40	22.90	0.00
12/6/2012 14:45	18.60	18.90	31.20	30.50	0.00
12/6/2012 15:00	17.90	24.20	29.50	30.80	0.00
12/6/2012 15:15	39.30	38.80	19.10	19.80	20.20
12/6/2012 15:30	32.70	33.80	16.00	20.10	17.80
12/6/2012 15:45	35.60	31.40	15.70	23.10	19.90
12/6/2012 16:00	27.90	29.60	16.10	23.40	13.50
12/6/2012 16:15	26.40	30.90	16.40	19.00	14.50
12/6/2012 16:30	17.40	18.00	27.90	32.90	0.00



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10-15-12 to 12-18-12
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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/6/2012 16:45	25.60	32.50	17.70	18.00	14.80
12/6/2012 17:00	17.80	18.80	26.70	31.90	0.00
12/6/2012 17:15	26.50	31.20	17.30	19.20	13.90
12/6/2012 17:30	21.60	19.80	28.30	38.10	0.00
12/6/2012 17:45	17.90	24.70	35.20	33.20	0.00
12/6/2012 18:00	31.50	31.90	17.40	21.70	14.50
12/6/2012 18:15	31.70	44.00	17.80	20.00	26.20
12/6/2012 18:30	91.00	135.70	18.50	21.20	117.20
12/6/2012 18:45	18.80	22.10	89.50	136.60	0.00
12/6/2012 19:00	42.40	55.60	19.10	22.30	36.50
12/6/2012 19:15	36.20	49.70	18.60	20.20	31.10
12/6/2012 19:30	35.70	53.70	20.10	19.60	34.10
12/6/2012 19:45	43.20	41.10	17.90	21.20	25.30
12/6/2012 20:00	35.30	36.40	18.30	19.00	18.10
12/6/2012 20:15	28.90	33.20	19.90	20.10	13.30
12/6/2012 20:30	35.10	32.40	21.00	21.30	14.10
12/6/2012 20:45	30.40	34.60	20.00	21.00	14.60
12/6/2012 21:00	37.50	48.90	19.00	19.80	29.90
12/6/2012 21:15	28.00	39.00	19.40	24.70	19.60
12/6/2012 21:30	23.50	25.20	25.20	34.00	0.00
12/6/2012 21:45	26.70	31.10	21.10	24.80	10.00
12/6/2012 22:00	27.60	31.30	24.10	24.20	7.20
12/6/2012 22:15	24.40	22.30	25.80	31.40	0.00
12/6/2012 22:30	26.50	29.40	22.90	22.70	6.70
12/6/2012 22:45	28.80	23.00	26.40	25.20	3.60
12/6/2012 23:00	25.00	26.30	24.50	22.90	3.40
12/6/2012 23:15	27.00	28.40	25.00	23.40	5.00
12/6/2012 23:30	25.60	29.50	23.80	23.00	6.50
12/6/2012 23:45	46.70	44.70	32.60	31.60	15.10
12/7/2012 0:00	31.80	34.10	41.10	49.00	0.00
12/7/2012 0:15	29.30	38.10	47.10	63.40	0.00
12/7/2012 0:30	32.60	49.20	42.20	49.60	7.00
12/7/2012 0:45	32.60	48.10	43.30	53.10	4.80
12/7/2012 1:00	28.50	40.60	36.50	51.60	4.10
12/7/2012 1:15	29.30	33.40	37.30	49.10	0.00
12/7/2012 1:30	28.60	46.40	25.70	31.40	0.00
12/7/2012 1:45	30.40	37.20	28.50	43.30	8.70
12/7/2012 2:00	26.80	39.20	27.80	41.40	11.40
12/7/2012 2:15	26.80	33.30	23.90	34.60	9.40
12/7/2012 2:30	27.10	34.50	23.10	34.00	11.40
12/7/2012 2:45	27.90	34.80	21.70	37.80	13.10
12/7/2012 3:00	27.90	48.90	21.10	33.50	27.80
12/7/2012 3:15	31.10	38.10	20.80	34.50	17.30
12/7/2012 3:30	27.50	38.20	22.90	45.40	15.30
12/7/2012 3:45	30.80	34.30	23.00	48.60	11.30
12/7/2012 4:00	23.60	43.20	31.80	65.60	11.40
12/7/2012 4:15	31.90	48.00	22.40	43.60	25.60
12/7/2012 4:30	26.40	42.20	22.30	40.50	19.90
12/7/2012 4:45	34.70	38.50	25.70	32.90	12.80
12/7/2012 5:00	37.30	41.60	30.60	34.60	11.00
12/7/2012 5:15	34.40	39.00	33.00	41.50	6.00
12/7/2012 5:30	26.40	35.30	29.50	36.40	5.80
12/7/2012 5:45	26.00	36.10	26.60	33.40	9.50
12/7/2012 6:00	32.50	39.00	24.20	35.90	14.80
12/7/2012 6:15	33.20	39.90	18.30	39.70	21.60
12/7/2012 6:30	34.40	40.60	19.30	29.30	21.30
12/7/2012 6:45	34.20	32.70	19.80	31.80	14.40
12/7/2012 7:00	29.40	23.80	19.90	32.90	9.50
12/7/2012 7:15	30.80	27.90	20.10	32.40	10.80
12/7/2012 7:30	19.20	33.40	31.60	31.60	0.00
12/7/2012 7:45	30.80	29.20	18.20	32.60	12.60
12/7/2012 8:00	23.20	21.70	19.10	30.40	4.10
12/7/2012 8:15	19.90	29.80	23.30	22.40	7.40
12/7/2012 8:30	21.90	21.80	19.70	29.20	2.20
12/7/2012 8:45	21.60	21.80	23.60	28.80	0.00
12/7/2012 9:00	21.90	28.30	20.90	20.90	7.40
12/7/2012 9:15	43.60	36.50	21.00	20.50	23.10
12/7/2012 9:30	22.60	21.90	30.70	82.90	0.00
12/7/2012 9:45	25.40	68.30	23.10	27.70	45.20
12/7/2012 10:00	33.80	35.40	18.30	50.50	17.10
12/7/2012 10:15	19.20	76.10	25.50	35.00	50.60
12/7/2012 10:30	17.90	61.50	28.70	32.30	32.80
12/7/2012 10:45	28.50	30.20	16.90	58.40	13.30
12/7/2012 11:00	26.20	30.50	16.40	54.80	14.10
12/7/2012 11:15	25.80	26.40	26.20	92.90	0.20
12/7/2012 11:30	25.30	24.70	19.10	60.80	6.20
12/7/2012 11:45	46.90	51.40	17.40	60.80	34.00
12/7/2012 12:00	18.60	59.30	30.50	33.80	28.80
12/7/2012 12:15	29.70	32.80	19.30	53.40	13.50
12/7/2012 12:30	22.50	25.90	21.20	54.80	4.70
12/7/2012 12:45	22.80	26.10	22.60	34.10	3.50
12/7/2012 13:00	44.90	46.80	26.60	32.40	20.20
12/7/2012 13:15	60.90	42.10	25.00	40.90	35.90
12/7/2012 13:30	32.50	42.70	24.70	71.20	18.00
12/7/2012 13:45	25.00	44.80	24.30	57.00	20.50
12/7/2012 14:00	26.50	38.40	20.90	45.00	17.50
12/7/2012 14:15	27.90	34.20	41.50	50.50	0.00
12/7/2012 14:30	42.30	48.70	26.60	34.00	22.10
12/7/2012 14:45	25.80	30.50	21.50	22.80	9.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/7/2012 15:00	24.50	29.60	20.80	25.90	8.80
12/7/2012 15:15	23.50	29.70	19.90	24.60	9.80
12/7/2012 15:30	22.90	28.70	18.80	25.30	9.90
12/7/2012 15:45	21.90	29.60	18.50	30.40	11.10
12/7/2012 16:00	18.70	28.50	22.10	41.90	6.40
12/7/2012 16:15	18.50	28.20	21.40	67.10	6.80
12/7/2012 16:30	21.30	75.60	43.50	21.30	54.30
12/7/2012 16:45	20.90	28.70	47.60	32.90	0.00
12/7/2012 17:00	22.30	29.00	39.90	34.90	0.00
12/7/2012 17:15	45.60	58.10	23.80	39.80	34.30
12/7/2012 17:30	38.50	52.30	24.60	46.00	27.70
12/7/2012 17:45	31.40	70.70	28.50	45.00	42.20
12/7/2012 18:00	28.50	55.90	25.80	39.70	30.10
12/7/2012 18:15	24.50	59.00	34.30	27.20	31.80
12/7/2012 18:30	23.10	56.80	37.30	43.20	19.50
12/7/2012 18:45	21.20	43.20	34.70	48.90	8.50
12/7/2012 19:00	19.90	26.70	30.30	41.80	0.00
12/7/2012 19:15	26.40	31.20	17.50	30.10	13.70
12/7/2012 19:30	18.40	29.80	27.60	35.20	2.20
12/7/2012 19:45	29.70	37.70	23.40	27.70	14.30
12/7/2012 20:00	30.70	36.20	21.10	26.70	15.10
12/7/2012 20:15	22.60	32.80	23.20	27.80	9.60
12/7/2012 20:30	18.60	35.20	21.60	28.60	13.60
12/7/2012 20:45	15.00	57.00	22.60	31.70	34.40
12/7/2012 21:00	13.30	65.10	25.30	37.40	39.80
12/7/2012 21:15	14.30	36.60	23.50	31.00	13.10
12/7/2012 21:30	23.80	32.20	22.40	34.30	9.80
12/7/2012 21:45	35.80	31.90	29.30	33.10	6.50
12/7/2012 22:00	34.20	33.40	27.60	41.50	6.60
12/7/2012 22:15	26.80	38.10	34.10	32.80	5.30
12/7/2012 22:30	26.70	32.00	26.20	41.50	5.80
12/7/2012 22:45	28.00	41.40	22.60	30.50	18.80
12/7/2012 23:00	28.70	47.90	19.90	30.50	28.00
12/7/2012 23:15	18.60	30.50	39.00	103.20	0.00
12/7/2012 23:30	60.10	93.40	18.50	30.70	74.90
12/7/2012 23:45	67.70	102.30	19.10	31.70	83.20
12/8/2012 0:00	25.10	90.80	25.60	26.60	65.20
12/8/2012 0:15	21.60	24.40	55.30	91.00	0.00
12/8/2012 0:30	21.10	26.20	41.10	28.80	0.00
12/8/2012 0:45	39.30	33.30	16.70	27.20	22.60
12/8/2012 1:00	34.60	43.10	16.80	24.80	26.30
12/8/2012 1:15	37.50	45.10	17.10	22.30	28.00
12/8/2012 1:30	26.10	28.10	23.70	23.10	5.00
12/8/2012 1:45	28.70	25.00	22.60	20.20	8.50
12/8/2012 2:00	30.10	55.90	18.70	22.70	37.20
12/8/2012 2:15	25.90	46.50	18.30	26.90	28.20
12/8/2012 2:30	26.90	29.40	18.10	20.00	11.30
12/8/2012 2:45	17.40	19.40	28.30	43.50	0.00
12/8/2012 3:00	24.20	43.30	17.50	21.50	25.80
12/8/2012 3:15	26.50	31.10	17.50	26.50	13.60
12/8/2012 3:30	27.80	38.00	17.50	23.80	20.50
12/8/2012 3:45	29.30	55.50	18.20	18.20	37.30
12/8/2012 4:00	31.80	35.40	18.30	18.20	17.20
12/8/2012 4:15	31.80	73.60	18.40	17.70	55.90
12/8/2012 4:30	16.90	17.80	29.40	65.90	0.00
12/8/2012 4:45	41.90	54.50	16.30	15.10	39.40
12/8/2012 5:00	14.70	17.90	64.50	89.60	0.00
12/8/2012 5:15	14.70	14.40	65.90	94.10	0.00
12/8/2012 5:30	52.10	114.40	15.60	14.10	100.30
12/8/2012 5:45	37.60	71.30	18.40	16.60	54.70
12/8/2012 6:00	18.20	17.10	45.30	119.40	0.00
12/8/2012 6:15	46.20	125.70	18.30	17.30	108.40
12/8/2012 6:30	40.40	111.70	17.60	17.80	94.10
12/8/2012 6:45	27.10	49.00	18.40	19.80	30.60
12/8/2012 7:00	19.30	19.90	29.80	63.40	0.00
12/8/2012 7:15	26.80	70.40	19.30	20.90	51.10
12/8/2012 7:30	24.40	46.80	19.30	20.40	27.50
12/8/2012 7:45	19.30	19.60	38.80	59.60	0.00
12/8/2012 8:00	18.90	19.90	77.80	81.10	0.00
12/8/2012 8:15	18.70	19.00	58.40	83.50	0.00
12/8/2012 8:30	19.10	19.40	68.80	83.20	0.00
12/8/2012 8:45	42.70	74.10	18.60	19.20	55.50
12/8/2012 9:00	18.30	19.50	44.50	65.40	0.00
12/8/2012 9:15	18.60	19.70	42.40	60.60	0.00
12/8/2012 9:30	18.60	19.70	34.90	72.20	0.00
12/8/2012 9:45	37.00	58.80	18.40	19.60	40.40
12/8/2012 10:00	18.30	19.10	47.10	67.60	0.00
12/8/2012 10:15	50.70	98.80	18.20	18.80	80.60
12/8/2012 10:30	38.40	75.10	18.10	17.90	57.20
12/8/2012 10:45	35.50	94.80	17.70	17.70	77.10
12/8/2012 11:00	38.70	85.90	17.80	18.10	68.10
12/8/2012 11:15	17.30	18.00	51.70	99.10	0.00
12/8/2012 11:30	53.60	101.80	16.20	17.60	85.60
12/8/2012 11:45	62.40	88.50	15.40	17.60	73.10
12/8/2012 12:00	65.30	77.80	15.20	17.70	62.60
12/8/2012 12:15	65.80	72.00	15.20	17.40	56.80
12/8/2012 12:30	59.50	63.70	15.30	17.10	48.40
12/8/2012 12:45	53.70	58.50	15.40	17.90	43.10
12/8/2012 13:00	48.80	50.00	15.80	17.90	34.20



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/8/2012 13:15	16.80	17.90	49.60	47.30	0.00
12/8/2012 13:30	42.80	49.10	18.70	18.50	30.60
12/8/2012 13:45	41.90	48.20	19.40	17.20	31.00
12/8/2012 14:00	32.00	50.20	19.60	16.60	33.60
12/8/2012 14:15	19.80	17.50	32.80	48.60	0.00
12/8/2012 14:30	20.00	17.60	28.70	34.20	0.00
12/8/2012 14:45	25.90	30.30	20.20	18.30	12.00
12/8/2012 15:00	24.60	53.60	20.10	17.70	35.90
12/8/2012 15:15	18.90	18.00	26.20	29.00	0.00
12/8/2012 15:30	28.80	28.30	20.00	18.80	10.00
12/8/2012 15:45	30.70	26.70	21.30	21.70	9.40
12/8/2012 16:00	23.90	32.90	22.10	20.30	12.60
12/8/2012 16:15	21.80	23.70	27.70	31.20	0.00
12/8/2012 16:30	26.20	29.70	22.00	23.90	7.70
12/8/2012 16:45	22.00	23.10	26.00	30.20	0.00
12/8/2012 17:00	34.10	65.70	22.00	22.30	43.70
12/8/2012 17:15	22.60	22.10	31.10	67.30	0.00
12/8/2012 17:30	22.80	22.20	31.80	44.50	0.00
12/8/2012 17:45	22.60	22.60	46.60	53.00	0.00
12/8/2012 18:00	22.40	22.90	45.90	68.70	0.00
12/8/2012 18:15	22.50	21.80	40.90	57.70	0.00
12/8/2012 18:30	33.10	47.80	22.10	21.70	26.10
12/8/2012 18:45	39.60	44.80	22.00	20.90	23.90
12/8/2012 19:00	49.80	46.40	22.30	22.50	27.50
12/8/2012 19:15	49.10	35.70	22.30	23.20	26.80
12/8/2012 19:30	76.30	61.70	22.40	22.60	53.90
12/8/2012 19:45	59.90	46.50	24.10	22.70	37.20
12/8/2012 20:00	49.40	44.90	24.00	24.50	25.40
12/8/2012 20:15	22.70	22.70	41.20	37.00	0.00
12/8/2012 20:30	21.70	22.90	40.40	31.80	0.00
12/8/2012 20:45	21.30	23.10	35.70	61.20	0.00
12/8/2012 21:00	21.40	22.90	49.50	152.60	0.00
12/8/2012 21:15	47.10	105.30	21.40	22.40	83.90
12/8/2012 21:30	46.90	101.60	21.20	29.70	80.40
12/8/2012 21:45	20.90	29.40	41.40	110.00	0.00
12/8/2012 22:00	20.70	29.00	53.60	34.90	0.00
12/8/2012 22:15	50.80	34.70	20.40	27.20	30.40
12/8/2012 22:30	44.30	57.30	20.40	27.40	36.90
12/8/2012 22:45	40.20	36.90	20.20	26.20	20.00
12/8/2012 23:00	40.20	47.30	20.60	25.70	26.70
12/8/2012 23:15	41.00	51.90	20.60	25.70	31.30
12/8/2012 23:30	33.20	50.10	20.70	25.00	29.40
12/8/2012 23:45	30.30	68.00	20.30	25.00	47.70
12/9/2012 0:00	28.00	59.50	20.30	25.20	39.20
12/9/2012 0:15	45.10	84.20	20.80	25.00	63.40
12/9/2012 0:30	46.20	78.40	20.70	24.80	57.70
12/9/2012 0:45	50.40	59.00	20.80	24.80	38.20
12/9/2012 1:00	46.90	56.60	21.60	23.90	35.00
12/9/2012 1:15	59.70	63.90	21.40	24.80	42.50
12/9/2012 1:30	62.10	79.80	21.20	24.50	58.60
12/9/2012 1:45	65.60	52.00	27.20	23.80	41.80
12/9/2012 2:00	61.60	49.50	27.10	23.20	38.40
12/9/2012 2:15	22.30	24.00	63.00	43.00	0.00
12/9/2012 2:30	64.50	61.90	23.00	23.70	41.50
12/9/2012 2:45	23.90	23.50	71.40	33.50	0.00
12/9/2012 3:00	66.60	34.20	23.90	23.40	43.20
12/9/2012 3:15	88.00	76.70	22.80	23.80	65.20
12/9/2012 3:30	86.40	144.40	22.80	25.70	121.60
12/9/2012 3:45	28.20	27.30	87.10	87.00	0.00
12/9/2012 4:00	32.40	27.50	82.60	107.20	0.00
12/9/2012 4:15	88.40	95.60	30.70	25.80	69.80
12/9/2012 4:30	65.20	56.00	28.60	25.80	39.40
12/9/2012 4:45	57.80	48.00	28.50	25.80	32.00
12/9/2012 5:00	53.00	59.10	69.70	33.50	25.60
12/9/2012 5:15	55.50	58.00	60.60	28.80	29.20
12/9/2012 5:30	50.50	61.60	31.80	26.60	35.00
12/9/2012 5:45	47.40	67.10	31.60	30.00	37.10
12/9/2012 6:00	43.70	72.90	31.60	28.50	44.40
12/9/2012 6:15	41.30	88.20	31.00	27.10	61.10
12/9/2012 6:30	54.10	85.30	31.20	26.40	58.90
12/9/2012 6:45	57.70	80.80	29.70	26.00	54.80
12/9/2012 7:00	52.10	82.80	29.10	24.80	58.00
12/9/2012 7:15	60.50	80.00	27.80	25.40	54.60
12/9/2012 7:30	64.20	81.50	25.70	23.80	57.70
12/9/2012 7:45	26.30	23.10	66.80	80.40	0.00
12/9/2012 8:00	42.90	32.30	25.60	22.40	20.50
12/9/2012 8:15	36.50	27.00	23.10	22.50	14.00
12/9/2012 8:30	32.50	27.70	21.80	22.20	10.70
12/9/2012 8:45	20.70	22.60	37.00	44.20	0.00
12/9/2012 9:00	20.20	22.30	39.60	55.00	0.00
12/9/2012 9:15	60.30	62.10	21.00	21.80	41.10
12/9/2012 9:30	60.80	70.00	20.70	21.70	49.30
12/9/2012 9:45	20.30	21.50	41.00	65.10	0.00
12/9/2012 10:00	53.00	58.60	19.70	21.80	38.90
12/9/2012 10:15	19.60	21.50	82.40	82.30	0.00
12/9/2012 10:30	82.30	92.70	19.40	21.10	73.30
12/9/2012 10:45	64.70	87.10	19.20	20.70	67.90
12/9/2012 11:00	19.10	20.50	57.80	84.80	0.00
12/9/2012 11:15	65.90	75.60	19.10	20.30	56.50



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/9/2012 11:30	68.70	61.50	18.80	20.30	49.90
12/9/2012 11:45	60.50	61.80	18.60	20.00	43.20
12/9/2012 12:00	75.10	66.50	18.60	20.10	56.50
12/9/2012 12:15	18.50	20.30	79.20	99.70	0.00
12/9/2012 12:30	62.90	80.30	18.30	20.80	62.00
12/9/2012 12:45	18.70	20.80	45.20	78.10	0.00
12/9/2012 13:00	18.60	20.70	56.20	57.60	0.00
12/9/2012 13:15	18.70	21.70	60.30	69.20	0.00
12/9/2012 13:30	19.50	23.90	67.40	75.30	0.00
12/9/2012 13:45	88.30	77.30	20.40	23.30	67.90
12/9/2012 14:00	19.80	23.20	68.80	61.00	0.00
12/9/2012 14:15	19.90	25.00	66.70	59.60	0.00
12/9/2012 14:30	20.20	24.70	59.50	66.30	0.00
12/9/2012 14:45	20.50	24.90	54.90	70.10	0.00
12/9/2012 15:00	50.50	64.40	21.50	24.00	42.90
12/9/2012 15:15	21.70	22.70	49.10	64.20	0.00
12/9/2012 15:30	47.50	46.10	21.00	22.00	26.50
12/9/2012 15:45	41.00	37.60	20.50	22.90	20.50
12/9/2012 16:00	39.90	39.00	21.90	26.60	18.00
12/9/2012 16:15	39.40	36.50	21.90	34.80	17.50
12/9/2012 16:30	38.60	32.90	22.20	22.60	16.40
12/9/2012 16:45	39.10	35.10	25.80	22.60	16.50
12/9/2012 17:00	42.60	42.60	37.00	44.50	5.60
12/9/2012 17:15	42.00	34.10	37.50	49.60	4.50
12/9/2012 17:30	42.80	37.60	37.90	35.40	7.40
12/9/2012 17:45	41.90	31.50	36.10	25.40	16.50
12/9/2012 18:00	30.90	53.20	42.60	37.00	16.20
12/9/2012 18:15	40.80	32.80	34.00	79.20	6.80
12/9/2012 18:30	40.50	52.60	39.20	26.10	26.50
12/9/2012 18:45	35.00	48.20	38.10	34.50	13.70
12/9/2012 19:00	35.00	65.30	36.40	24.20	41.10
12/9/2012 19:15	38.90	65.00	37.90	24.10	40.90
12/9/2012 19:30	40.30	54.80	80.00	31.20	23.60
12/9/2012 19:45	36.30	38.20	67.10	39.90	0.00
12/9/2012 20:00	49.70	36.30	30.40	35.30	19.30
12/9/2012 20:15	69.80	47.80	67.80	147.70	2.00
12/9/2012 20:30	58.80	81.50	40.40	37.40	44.10
12/9/2012 20:45	26.00	37.30	43.70	32.10	5.20
12/9/2012 21:00	28.40	34.70	62.50	59.40	0.00
12/9/2012 21:15	42.80	37.20	67.20	85.70	0.00
12/9/2012 21:30	38.60	42.00	76.60	97.20	0.00
12/9/2012 21:45	37.20	40.20	51.80	83.60	0.00
12/9/2012 22:00	33.80	38.70	52.30	70.80	0.00
12/9/2012 22:15	41.50	42.40	51.20	68.90	0.00
12/9/2012 22:30	41.90	40.20	52.00	66.10	0.00
12/9/2012 22:45	35.90	40.90	54.70	67.30	0.00
12/9/2012 23:00	40.10	40.90	56.90	69.10	0.00
12/9/2012 23:15	38.50	45.90	54.10	67.90	0.00
12/9/2012 23:30	37.80	45.10	44.30	56.20	0.80
12/9/2012 23:45	37.50	43.50	42.40	43.60	1.10
12/10/2012 0:00	36.70	42.70	38.60	43.80	4.10
12/10/2012 0:15	34.80	42.40	35.80	40.30	6.60
12/10/2012 0:30	35.20	38.40	34.70	43.10	3.70
12/10/2012 0:45	41.00	45.70	34.80	37.50	10.90
12/10/2012 1:00	32.80	49.40	53.00	39.90	9.50
12/10/2012 1:15	37.00	40.90	40.60	42.40	0.30
12/10/2012 1:30	50.70	72.10	31.80	44.80	40.30
12/10/2012 1:45	108.90	134.80	36.50	44.30	98.30
12/10/2012 2:00	262.30	278.90	51.40	94.70	227.50
12/10/2012 2:15	181.90	244.80	79.90	90.30	164.90
12/10/2012 2:30	67.80	82.60	132.70	174.40	0.00
12/10/2012 2:45	77.80	74.50	134.40	152.20	0.00
12/10/2012 3:00	52.30	57.20	123.90	152.40	0.00
12/10/2012 3:15	46.60	53.40	108.90	152.40	0.00
12/10/2012 3:30	45.90	50.60	91.90	122.00	0.00
12/10/2012 3:45	45.60	46.70	79.10	95.90	0.00
12/10/2012 4:00	75.00	86.30	44.70	45.40	41.60
12/10/2012 4:15	58.10	76.20	43.90	44.80	32.30
12/10/2012 4:30	57.20	64.30	44.00	44.40	20.30
12/10/2012 4:45	43.70	45.20	54.70	58.10	0.00
12/10/2012 5:00	51.20	58.20	42.80	45.10	15.40
12/10/2012 5:15	49.20	53.70	42.60	44.70	11.10
12/10/2012 5:30	41.30	44.10	41.10	51.00	3.00
12/10/2012 5:45	39.60	48.90	41.30	42.40	7.60
12/10/2012 6:00	37.60	57.20	40.80	41.70	16.40
12/10/2012 6:15	37.70	41.60	40.00	40.70	1.60
12/10/2012 6:30	37.10	40.50	39.40	39.80	1.10
12/10/2012 6:45	35.60	40.20	38.70	39.50	1.50
12/10/2012 7:00	38.70	39.10	35.60	38.60	3.50
12/10/2012 7:15	36.30	39.20	38.90	38.80	0.40
12/10/2012 7:30	39.30	38.90	33.10	36.00	6.20
12/10/2012 7:45	33.00	34.70	38.80	39.20	0.00
12/10/2012 8:00	32.60	35.00	35.20	38.90	0.00
12/10/2012 8:15	34.40	37.10	26.80	35.80	10.30
12/10/2012 8:30	33.00	36.80	27.40	28.60	9.40
12/10/2012 8:45	35.40	38.00	28.00	28.80	10.00
12/10/2012 9:00	39.60	37.70	46.80	50.70	0.00
12/10/2012 9:15	30.10	32.80	36.10	47.20	0.00
12/10/2012 9:30	40.00	41.70	32.20	43.90	9.50



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10-15-12 to 12-18-12
(periods of dredging)

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/10/2012 9:45	31.30	35.10	41.70	44.20	0.00
12/10/2012 10:00	49.00	45.10	31.50	65.10	17.50
12/10/2012 10:15	54.30	74.70	52.00	68.10	22.70
12/10/2012 10:30	56.90	94.40	42.70	58.70	51.70
12/10/2012 10:45	49.40	66.70	40.40	45.20	26.30
12/10/2012 11:00	47.00	54.20	40.80	47.20	13.40
12/10/2012 11:15	41.40	50.70	47.20	58.50	3.50
12/10/2012 11:30	41.30	46.40	50.70	60.90	0.00
12/10/2012 11:45	48.30	55.70	43.70	35.90	19.80
12/10/2012 12:00	45.30	52.10	35.40	35.80	16.70
12/10/2012 12:15	64.70	76.80	56.90	70.70	19.90
12/10/2012 12:30	53.80	67.40	47.80	73.80	19.60
12/10/2012 12:45	43.60	52.40	60.80	74.70	0.00
12/10/2012 13:00	55.70	65.40	50.90	52.90	14.50
12/10/2012 13:15	57.30	76.80	38.10	49.50	38.70
12/10/2012 13:30	54.40	68.40	36.40	47.00	32.00
12/10/2012 13:45	43.20	43.90	49.60	56.30	0.00
12/10/2012 14:00	44.80	44.20	42.20	43.00	2.60
12/10/2012 14:15	43.90	40.40	40.50	42.90	3.40
12/10/2012 14:30	43.60	41.70	38.20	42.40	5.40
12/10/2012 14:45	38.10	39.80	36.30	39.70	3.50
12/10/2012 15:00	35.50	38.10	37.50	39.00	0.60
12/10/2012 15:15	36.70	38.70	35.10	37.30	3.60
12/10/2012 15:30	35.00	38.20	33.30	35.80	4.90
12/10/2012 15:45	33.60	35.80	35.00	38.60	0.80
12/10/2012 16:00	34.60	36.50	33.60	35.10	2.90
12/10/2012 16:15	33.80	36.30	32.90	34.50	3.40
12/10/2012 16:30	33.80	35.90	32.10	34.30	3.80
12/10/2012 16:45	32.40	32.90	33.00	35.50	0.00
12/10/2012 17:00	32.90	35.00	31.70	33.30	3.30
12/10/2012 17:15	32.10	33.00	32.90	35.00	0.10
12/10/2012 17:30	32.10	34.40	31.00	31.40	3.40
12/10/2012 17:45	32.00	33.90	38.30	38.30	0.00
12/10/2012 18:00	31.60	33.70	39.40	40.20	0.00
12/10/2012 18:15	31.50	33.30	32.20	36.10	1.10
12/10/2012 18:30	30.70	32.70	30.60	31.70	2.10
12/10/2012 18:45	31.30	32.30	32.70	33.90	0.00
12/10/2012 19:00	34.60	32.80	33.10	35.60	1.50
12/10/2012 19:15	35.60	35.50	33.60	34.60	2.00
12/10/2012 19:30	33.00	35.00	34.70	35.60	0.30
12/10/2012 19:45	31.30	32.80	33.60	35.40	0.00
12/10/2012 20:00	32.30	33.60	29.60	31.10	4.00
12/10/2012 20:15	30.10	32.70	29.60	31.30	3.10
12/10/2012 20:30	30.50	31.90	29.30	30.50	2.60
12/10/2012 20:45	30.20	31.00	30.10	31.70	0.90
12/10/2012 21:00	30.00	30.40	30.40	33.70	0.00
12/10/2012 21:15	29.80	29.80	29.90	32.60	0.00
12/10/2012 21:30	29.80	32.10	27.70	30.00	4.40
12/10/2012 21:45	29.50	31.40	28.00	29.50	3.40
12/10/2012 22:00	27.90	29.10	29.10	30.70	0.00
12/10/2012 22:15	27.30	28.50	28.00	30.10	0.50
12/10/2012 22:30	26.30	27.60	27.90	30.00	0.00
12/10/2012 22:45	28.50	29.60	25.40	28.10	4.20
12/10/2012 23:00	29.50	30.20	25.60	27.40	4.60
12/10/2012 23:15	28.70	30.50	25.50	27.20	5.00
12/10/2012 23:30	27.70	29.70	24.80	27.00	4.90
12/10/2012 23:45	28.30	29.10	24.10	26.90	5.00
12/11/2012 0:00	24.60	26.50	27.60	29.00	0.00
12/11/2012 0:15	23.50	26.00	26.90	28.90	0.00
12/11/2012 0:30	23.80	25.90	27.40	28.30	0.00
12/11/2012 0:45	24.00	25.90	27.90	28.20	0.00
12/11/2012 1:00	23.10	25.70	26.70	28.50	0.00
12/11/2012 1:15	23.60	25.60	27.00	28.50	0.00
12/11/2012 1:30	26.50	27.90	23.50	25.40	4.40
12/11/2012 1:45	25.60	26.60	23.20	25.50	3.40
12/11/2012 2:00	24.90	26.90	23.20	25.10	3.70
12/11/2012 2:15	23.10	25.30	25.30	26.80	0.00
12/11/2012 2:30	23.10	24.80	24.30	25.90	0.50
12/11/2012 2:45	24.70	49.10	23.00	24.80	26.10
12/11/2012 3:00	33.40	47.10	23.00	25.20	24.10
12/11/2012 3:15	32.10	38.70	23.00	24.50	15.70
12/11/2012 3:30	22.50	25.00	29.60	26.70	0.00
12/11/2012 3:45	27.10	27.30	21.00	24.90	6.30
12/11/2012 4:00	25.30	26.80	20.90	24.10	5.90
12/11/2012 4:15	21.10	22.30	24.50	26.20	0.00
12/11/2012 4:30	21.20	23.30	24.70	26.40	0.00
12/11/2012 4:45	25.80	26.90	20.80	23.30	6.10
12/11/2012 5:00	25.00	27.70	20.70	26.70	7.00
12/11/2012 5:15	25.10	26.40	20.10	25.90	6.30
12/11/2012 5:30	24.30	25.90	20.30	28.20	5.60
12/11/2012 5:45	25.40	32.80	19.80	27.30	13.00
12/11/2012 6:00	18.70	24.30	26.40	37.10	0.00
12/11/2012 6:15	28.50	41.90	18.60	28.40	23.30
12/11/2012 6:30	33.40	54.40	18.70	24.10	35.70
12/11/2012 6:45	35.30	39.30	18.30	20.60	21.00
12/11/2012 7:00	27.20	30.70	17.80	21.60	12.90
12/11/2012 7:15	-49984.90	-49981.70	17.40	26.00	0.00
12/11/2012 7:30	28.20	53.90	17.20	25.20	36.70
12/11/2012 7:45	33.30	55.70	17.20	27.00	38.50



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/11/2012 8:00	32.50	63.60	17.30	26.90	46.30
12/11/2012 8:15	39.80	57.60	17.30	28.30	40.30
12/11/2012 8:30	17.50	27.00	43.80	66.20	0.00
12/11/2012 8:45	39.40	63.10	17.10	23.50	46.00
12/11/2012 9:00	17.80	26.20	28.80	57.30	0.00
12/11/2012 9:15	31.90	48.30	17.30	24.60	31.00
12/11/2012 9:30	31.20	57.40	18.30	23.10	39.10
12/11/2012 9:45	63.20	61.70	17.80	22.00	45.40
12/11/2012 10:00	51.50	58.80	25.70	22.00	36.80
12/11/2012 10:15	48.30	57.90	30.70	23.40	34.50
12/11/2012 10:30	51.10	62.80	29.50	23.90	38.90
12/11/2012 10:45	56.30	71.10	28.70	24.90	46.20
12/11/2012 11:00	49.50	62.20	30.20	25.70	36.50
12/11/2012 11:15	54.10	65.00	27.50	27.40	37.60
12/11/2012 11:30	53.20	68.60	27.70	25.70	42.90
12/11/2012 11:45	43.90	65.10	27.20	25.00	40.10
12/11/2012 12:00	40.90	60.60	25.90	25.50	35.10
12/11/2012 12:15	43.70	61.60	25.10	25.10	36.50
12/11/2012 12:30	31.70	45.20	25.30	25.10	20.10
12/11/2012 12:45	32.40	36.40	25.90	25.70	10.70
12/11/2012 13:00	29.30	36.50	27.60	25.40	11.10
12/11/2012 13:15	28.90	32.00	27.40	25.90	6.10
12/11/2012 13:30	29.40	40.70	27.20	25.50	15.20
12/11/2012 13:45	30.30	41.40	26.40	26.50	15.00
12/11/2012 14:00	27.70	43.70	26.30	27.10	17.40
12/11/2012 14:15	26.40	33.90	25.80	26.70	8.10
12/11/2012 14:30	24.20	26.40	26.50	34.60	0.00
12/11/2012 14:45	28.30	34.90	24.40	26.30	10.50
12/11/2012 15:00	25.50	33.50	23.50	26.00	10.00
12/11/2012 15:15	26.60	33.00	22.80	31.30	10.20
12/11/2012 15:30	29.70	32.90	22.00	27.00	10.90
12/11/2012 15:45	21.80	25.40	29.70	32.70	0.00
12/11/2012 16:00	31.80	40.00	21.10	25.20	18.90
12/11/2012 16:15	27.60	35.60	21.90	24.20	13.70
12/11/2012 16:30	22.00	22.70	25.40	32.40	0.00
12/11/2012 16:45	21.40	22.20	26.70	35.40	0.00
12/11/2012 17:00	29.30	32.90	20.90	22.30	12.00
12/11/2012 17:15	29.00	32.90	19.80	22.30	13.10
12/11/2012 17:30	29.40	28.20	19.10	22.20	10.30
12/11/2012 17:45	26.10	33.00	19.30	23.40	13.70
12/11/2012 18:00	19.60	24.40	26.40	30.50	0.00
12/11/2012 18:15	26.80	29.50	29.70	41.50	0.00
12/11/2012 18:30	28.40	34.10	23.90	27.80	10.20
12/11/2012 18:45	24.30	26.30	29.90	34.90	0.00
12/11/2012 19:00	31.60	35.40	23.60	27.30	11.80
12/11/2012 19:15	29.50	25.90	37.00	28.00	1.50
12/11/2012 19:30	36.90	42.40	26.80	24.20	18.20
12/11/2012 19:45	23.50	23.90	28.50	35.30	0.00
12/11/2012 20:00	31.90	35.40	22.20	26.60	13.20
12/11/2012 20:15	31.90	34.60	21.10	24.60	13.50
12/11/2012 20:30	20.20	25.50	31.30	38.00	0.00
12/11/2012 20:45	33.70	39.20	19.30	25.30	19.90
12/11/2012 21:00	31.80	36.30	19.00	23.70	17.30
12/11/2012 21:15	23.30	28.10	19.80	26.70	8.30
12/11/2012 21:30	24.00	27.90	19.00	24.70	8.90
12/11/2012 21:45	28.50	36.00	52.20	71.00	0.00
12/11/2012 22:00	32.50	45.10	41.00	69.60	4.10
12/11/2012 22:15	32.30	41.40	23.90	50.50	17.50
12/11/2012 22:30	34.90	41.10	22.20	55.80	18.90
12/11/2012 22:45	40.70	46.60	23.20	56.60	23.40
12/11/2012 23:00	42.60	51.60	28.80	58.70	22.80
12/11/2012 23:15	40.60	51.50	27.70	90.00	23.80
12/11/2012 23:30	39.80	47.70	27.50	58.00	20.20
12/11/2012 23:45	24.50	44.50	23.10	93.40	21.40
12/12/2012 0:00	22.40	58.50	24.80	83.20	33.70
12/12/2012 0:15	32.60	58.40	34.50	80.00	23.90
12/12/2012 0:30	58.40	60.70	37.80	49.30	22.90
12/12/2012 0:45	40.40	48.00	44.70	72.60	3.30
12/12/2012 1:00	51.50	60.10	38.70	50.20	21.40
12/12/2012 1:15	23.50	35.10	49.20	55.60	0.00
12/12/2012 1:30	21.30	27.90	36.00	72.30	0.00
12/12/2012 1:45	21.10	25.30	82.10	76.50	0.00
12/12/2012 2:00	54.10	82.40	20.10	21.50	62.30
12/12/2012 2:15	43.70	107.70	19.60	23.20	88.10
12/12/2012 2:30	23.40	26.40	41.90	91.20	0.00
12/12/2012 2:45	28.90	49.90	35.90	105.20	14.00
12/12/2012 3:00	35.20	46.80	24.20	102.20	22.60
12/12/2012 3:15	31.80	40.50	24.00	79.60	16.50
12/12/2012 3:30	28.20	34.70	25.30	62.70	9.40
12/12/2012 3:45	26.40	34.00	26.60	59.50	7.40
12/12/2012 4:00	27.90	25.60	25.90	41.70	2.00
12/12/2012 4:15	20.30	20.50	23.00	40.60	0.00
12/12/2012 4:30	19.50	19.70	21.90	47.00	0.00
12/12/2012 4:45	19.10	19.10	21.40	34.00	0.00
12/12/2012 5:00	22.80	38.60	19.60	19.50	19.10
12/12/2012 5:15	19.50	20.20	23.30	50.20	0.00
12/12/2012 5:30	19.10	20.00	21.30	49.90	0.00
12/12/2012 5:45	19.40	19.70	21.60	43.00	0.00
12/12/2012 6:00	22.30	43.20	20.30	22.30	22.90



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/12/2012 6:15	20.60	26.70	21.20	57.30	5.50
12/12/2012 6:30	22.00	48.70	21.30	23.60	27.40
12/12/2012 6:45	21.20	25.10	21.70	38.80	3.40
12/12/2012 7:00	21.60	24.30	20.20	31.70	4.10
12/12/2012 7:15	23.00	23.40	19.60	38.30	3.80
12/12/2012 7:30	24.70	26.30	20.00	39.10	6.30
12/12/2012 7:45	19.70	51.40	27.40	37.60	24.00
12/12/2012 8:00	31.30	46.30	20.90	58.40	25.40
12/12/2012 8:15	29.80	80.90	31.30	43.40	49.60
12/12/2012 8:30	22.60	47.80	32.10	41.40	15.70
12/12/2012 8:45	25.70	83.90	33.80	62.60	50.10
12/12/2012 9:00	35.90	64.60	22.30	92.90	42.30
12/12/2012 9:15	37.30	65.60	19.90	55.30	45.70
12/12/2012 9:30	39.80	43.10	18.60	23.30	24.50
12/12/2012 9:45	46.20	53.70	18.70	24.40	35.00
12/12/2012 10:00	21.40	55.00	49.50	55.10	5.50
12/12/2012 10:15	49.00	47.50	19.80	58.00	29.20
12/12/2012 10:30	23.30	100.20	48.10	42.40	57.80
12/12/2012 10:45	45.30	45.90	22.40	63.90	23.50
12/12/2012 11:00	33.40	41.90	22.90	19.70	22.20
12/12/2012 11:15	22.80	18.20	28.60	35.00	0.00
12/12/2012 11:30	22.10	19.40	35.30	36.70	0.00
12/12/2012 11:45	33.70	35.60	25.60	19.10	16.50
12/12/2012 12:00	33.20	33.00	29.30	21.00	12.20
12/12/2012 12:15	27.90	18.70	35.20	34.90	0.00
12/12/2012 12:30	43.00	41.10	28.30	24.10	18.90
12/12/2012 12:45	30.40	33.10	27.30	21.80	11.30
12/12/2012 13:00	24.70	22.30	33.00	36.10	0.00
12/12/2012 13:15	25.40	19.40	29.00	38.50	0.00
12/12/2012 13:30	40.00	38.80	26.30	22.00	18.00
12/12/2012 13:45	25.30	16.50	44.80	38.00	0.00
12/12/2012 14:00	27.00	17.40	34.70	34.20	0.00
12/12/2012 14:15	38.40	44.40	24.70	17.20	27.20
12/12/2012 14:30	31.60	26.40	23.70	54.40	7.90
12/12/2012 14:45	48.00	97.40	21.20	44.90	76.20
12/12/2012 15:00	38.00	47.60	33.10	38.30	14.50
12/12/2012 15:15	29.00	49.10	44.60	40.60	8.50
12/12/2012 15:30	28.00	48.40	53.40	40.20	8.20
12/12/2012 15:45	24.20	46.20	25.70	33.30	20.50
12/12/2012 16:00	20.90	48.40	21.00	453.50	27.40
12/12/2012 16:15	22.50	50.50	22.00	427.30	28.50
12/12/2012 16:30	22.80	40.60	28.20	157.40	12.40
12/12/2012 16:45	23.10	42.40	20.90	19.50	22.90
12/12/2012 17:00	23.20	37.70	18.00	20.60	19.70
12/12/2012 17:15	24.00	30.60	18.70	20.60	11.90
12/12/2012 17:30	18.00	19.50	32.70	55.60	0.00
12/12/2012 17:45	19.60	18.70	32.70	53.30	0.00
12/12/2012 18:00	33.60	39.80	25.40	19.80	20.00
12/12/2012 18:15	35.50	48.30	24.60	22.60	25.70
12/12/2012 18:30	22.90	20.70	35.60	49.90	0.00
12/12/2012 18:45	34.30	49.80	21.40	18.60	31.20
12/12/2012 19:00	19.70	16.40	34.70	50.20	0.00
12/12/2012 19:15	17.60	15.30	34.70	48.70	0.00
12/12/2012 19:30	17.10	13.80	34.70	46.50	0.00
12/12/2012 19:45	32.30	44.50	15.70	14.30	30.20
12/12/2012 20:00	17.00	15.20	30.80	42.10	0.00
12/12/2012 20:15	18.90	15.80	30.50	44.60	0.00
12/12/2012 20:30	32.00	44.10	18.80	16.30	27.80
12/12/2012 20:45	33.60	42.80	20.60	16.80	26.00
12/12/2012 21:00	21.10	17.00	34.30	40.60	0.00
12/12/2012 21:15	32.10	40.70	20.20	16.70	24.00
12/12/2012 21:30	36.50	43.20	19.90	17.50	25.70
12/12/2012 21:45	34.20	47.90	19.70	17.70	30.20
12/12/2012 22:00	33.90	52.50	21.70	18.40	34.10
12/12/2012 22:15	38.40	53.80	19.20	20.60	34.60
12/12/2012 22:30	19.50	23.40	32.90	48.10	0.00
12/12/2012 22:45	32.80	52.40	20.60	20.20	32.20
12/12/2012 23:00	35.10	49.50	21.10	19.60	29.90
12/12/2012 23:15	35.10	47.50	22.70	19.50	28.00
12/12/2012 23:30	23.50	18.80	35.10	47.90	0.00
12/12/2012 23:45	22.50	19.60	33.80	48.80	0.00
12/13/2012 0:00	20.40	17.90	30.60	55.40	0.00
12/13/2012 0:15	36.20	55.00	22.20	15.70	39.30
12/13/2012 0:30	21.60	16.90	37.90	52.00	0.00
12/13/2012 0:45	19.40	16.80	34.20	48.50	0.00
12/13/2012 1:00	32.50	50.00	18.30	16.40	33.60
12/13/2012 1:15	32.60	52.90	18.10	15.80	37.10
12/13/2012 1:30	37.40	53.60	17.20	18.10	36.40
12/13/2012 1:45	36.00	39.90	39.80	58.50	0.10
12/13/2012 2:00	29.50	25.00	58.50	69.30	0.00
12/13/2012 2:15	19.10	14.60	35.30	64.20	0.00
12/13/2012 2:30	33.10	57.10	32.70	41.00	24.40
12/13/2012 2:45	28.70	20.30	31.50	45.10	0.00
12/13/2012 3:00	17.40	15.70	31.20	40.00	0.00
12/13/2012 3:15	29.80	33.50	47.20	58.90	0.00
12/13/2012 3:30	28.90	30.60	17.00	17.60	13.60
12/13/2012 3:45	27.10	28.60	43.40	494.70	0.00
12/13/2012 4:00	21.50	187.30	26.50	28.90	0.00
12/13/2012 4:15	40.90	-1.90	26.10	29.00	14.80



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/13/2012 4:30	25.90	28.30	75.90	-1.90	30.20
12/13/2012 4:45	56.70	-1.90	26.00	26.50	30.70
12/13/2012 5:00	27.50	43.40	50.10	-1.90	45.30
12/13/2012 5:15	27.90	-2.00	28.80	35.80	0.00
12/13/2012 5:30	51.40	-1.90	26.00	30.70	25.40
12/13/2012 5:45	25.10	27.80	41.70	-2.00	29.80
12/13/2012 6:00	25.00	-2.00	25.50	31.90	0.00
12/13/2012 6:15	25.20	31.90	19.30	-2.00	33.90
12/13/2012 6:30	19.40	-2.00	26.30	30.00	0.00
12/13/2012 6:45	18.80	-2.00	27.10	29.70	0.00
12/13/2012 7:00	27.60	32.80	19.40	-1.90	34.70
12/13/2012 7:15	27.70	31.50	23.30	19.20	12.30
12/13/2012 7:30	27.40	29.30	21.60	20.70	8.60
12/13/2012 7:45	20.70	17.20	26.80	29.00	0.00
12/13/2012 8:00	18.30	17.40	26.50	28.80	0.00
12/13/2012 8:15	27.10	33.40	23.20	18.90	14.50
12/13/2012 8:30	21.90	19.30	26.10	28.40	0.00
12/13/2012 8:45	22.50	23.20	27.10	28.30	0.00
12/13/2012 9:00	23.30	25.60	26.00	28.90	0.00
12/13/2012 9:15	26.70	33.70	21.40	24.60	12.30
12/13/2012 9:30	22.00	23.70	25.30	31.90	0.00
12/13/2012 9:45	28.90	35.60	26.20	36.10	9.40
12/13/2012 10:00	32.20	30.10	26.10	35.80	6.10
12/13/2012 10:15	30.80	31.00	27.40	40.40	3.60
12/13/2012 10:30	26.70	35.80	30.80	35.00	5.00
12/13/2012 10:45	25.90	36.90	30.80	32.00	6.10
12/13/2012 11:00	27.10	44.70	31.00	31.70	13.70
12/13/2012 11:15	29.90	38.00	31.50	31.10	6.90
12/13/2012 11:30	31.60	30.60	29.50	37.50	2.10
12/13/2012 11:45	29.30	42.80	30.80	30.10	12.20
12/13/2012 12:00	30.00	41.50	27.70	30.20	13.80
12/13/2012 12:15	31.20	48.60	27.60	29.40	21.00
12/13/2012 12:30	30.70	40.20	26.40	29.30	13.80
12/13/2012 12:45	26.40	27.90	29.40	33.60	0.00
12/13/2012 13:00	26.50	27.40	28.20	33.20	0.00
12/13/2012 13:15	24.00	24.90	29.30	33.80	0.00
12/13/2012 13:30	23.00	22.60	28.90	32.80	0.00
12/13/2012 13:45	23.60	22.40	28.30	31.60	0.00
12/13/2012 14:00	24.00	23.90	28.70	30.30	0.00
12/13/2012 14:15	28.70	29.80	31.90	33.10	0.00
12/13/2012 14:30	27.70	29.10	36.20	35.90	0.00
12/13/2012 14:45	29.20	30.70	27.60	28.80	3.10
12/13/2012 15:00	28.40	36.30	27.30	28.70	0.00
12/13/2012 15:15	28.90	42.80	27.30	29.80	15.50
12/13/2012 15:30	29.60	35.90	27.60	31.80	8.30
12/13/2012 15:45	30.70	30.10	27.80	41.50	2.90
12/13/2012 16:00	28.80	29.60	28.40	40.20	1.20
12/13/2012 16:15	29.40	40.50	31.00	32.80	9.50
12/13/2012 16:30	30.70	32.50	26.00	38.20	6.50
12/13/2012 16:45	26.90	33.70	29.60	24.00	9.70
12/13/2012 17:00	26.20	24.00	29.40	35.60	0.00
12/13/2012 17:15	30.80	37.60	36.00	38.70	1.60
12/13/2012 17:30	26.10	24.70	32.30	38.30	0.00
12/13/2012 17:45	24.20	24.90	34.30	52.80	0.00
12/13/2012 18:00	36.50	61.10	21.50	22.40	39.60
12/13/2012 18:15	22.00	21.80	33.70	41.60	0.00
12/13/2012 18:30	24.50	21.40	32.30	41.00	0.00
12/13/2012 18:45	33.90	47.50	24.90	21.00	26.50
12/13/2012 19:00	23.20	20.80	35.00	45.20	0.00
12/13/2012 19:15	20.60	20.70	33.40	40.50	0.00
12/13/2012 19:30	21.30	20.70	30.80	37.20	0.00
12/13/2012 19:45	31.50	36.30	19.90	20.20	16.40
12/13/2012 20:00	31.00	33.90	19.50	19.40	14.50
12/13/2012 20:15	18.40	18.40	31.30	33.00	0.00
12/13/2012 20:30	30.40	31.80	17.60	17.50	14.30
12/13/2012 20:45	20.70	19.30	29.20	31.80	0.00
12/13/2012 21:00	29.20	50.10	18.20	18.40	31.90
12/13/2012 21:15	18.60	17.80	29.40	68.70	0.00
12/13/2012 21:30	23.50	18.30	27.40	74.60	0.00
12/13/2012 21:45	26.40	17.50	27.00	36.60	0.00
12/13/2012 22:00	25.10	17.50	27.70	78.40	0.00
12/13/2012 22:15	26.80	18.00	27.40	44.90	0.00
12/13/2012 22:30	25.20	19.40	26.80	39.10	0.00
12/13/2012 22:45	24.80	19.30	26.50	44.00	0.00
12/13/2012 23:00	23.20	17.80	24.30	59.60	0.00
12/13/2012 23:15	22.00	16.70	23.70	56.70	0.00
12/13/2012 23:30	21.80	16.10	24.60	56.00	0.00
12/13/2012 23:45	21.70	15.90	24.70	54.30	0.00
12/14/2012 0:00	23.90	15.70	24.50	46.30	0.00
12/14/2012 0:15	25.40	16.20	25.00	55.60	0.40
12/14/2012 0:30	21.30	16.40	27.30	53.40	0.00
12/14/2012 0:45	27.10	57.20	24.80	16.00	41.20
12/14/2012 1:00	21.50	16.10	28.10	56.40	0.00
12/14/2012 1:15	26.70	53.90	20.90	15.60	38.30
12/14/2012 1:30	22.10	15.30	27.40	56.10	0.00
12/14/2012 1:45	25.00	15.20	29.70	58.60	0.00
12/14/2012 2:00	28.70	65.60	20.80	19.00	46.60
12/14/2012 2:15	37.10	89.70	17.80	17.80	71.90
12/14/2012 2:30	32.10	18.00	53.50	96.40	0.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/14/2012 2:45	43.20	73.70	28.00	25.70	48.00
12/14/2012 3:00	24.60	20.60	36.10	42.70	0.00
12/14/2012 3:15	23.10	21.70	34.80	45.60	0.00
12/14/2012 3:30	21.00	17.50	33.10	61.10	0.00
12/14/2012 3:45	20.60	17.30	31.80	53.00	0.00
12/14/2012 4:00	30.60	47.60	19.70	16.60	31.00
12/14/2012 4:15	19.80	16.50	27.90	42.60	0.00
12/14/2012 4:30	19.30	14.90	26.20	61.50	0.00
12/14/2012 4:45	19.20	16.10	26.70	69.50	0.00
12/14/2012 5:00	19.50	17.30	26.60	70.20	0.00
12/14/2012 5:15	24.10	73.00	19.40	15.80	57.20
12/14/2012 5:30	25.30	67.00	19.10	15.60	51.40
12/14/2012 5:45	18.90	16.20	25.20	61.50	0.00
12/14/2012 6:00	25.00	64.00	19.20	15.70	48.30
12/14/2012 6:15	20.90	15.50	30.20	60.70	0.00
12/14/2012 6:30	18.10	15.30	38.40	62.00	0.00
12/14/2012 6:45	17.00	16.60	30.20	78.40	0.00
12/14/2012 7:00	31.10	72.20	16.30	15.20	57.00
12/14/2012 7:15	29.10	68.30	16.10	14.30	54.00
12/14/2012 7:30	19.10	16.70	31.30	54.50	0.00
12/14/2012 7:45	62.70	53.40	27.40	23.00	39.70
12/14/2012 8:00	62.40	106.20	25.00	21.80	84.40
12/14/2012 8:15	35.90	76.60	25.70	22.80	53.80
12/14/2012 8:30	25.70	23.10	40.10	81.30	0.00
12/14/2012 8:45	34.40	123.50	20.90	23.80	102.60
12/14/2012 9:00	22.40	23.50	29.00	60.70	0.00
12/14/2012 9:15	22.00	22.50	35.00	52.30	0.00
12/14/2012 9:30	23.00	20.60	31.60	48.50	0.00
12/14/2012 9:45	20.60	18.50	30.40	39.00	0.00
12/14/2012 10:00	20.20	17.50	28.20	63.60	0.00
12/14/2012 10:15	20.40	17.30	28.70	43.50	0.00
12/14/2012 10:30	45.20	40.10	26.00	36.10	19.20
12/14/2012 10:45	26.10	36.70	32.80	39.80	3.90
12/14/2012 11:00	29.30	42.70	32.80	46.30	9.90
12/14/2012 11:15	31.10	39.90	36.70	46.50	3.20
12/14/2012 11:30	37.80	39.30	36.20	62.30	3.10
12/14/2012 11:45	28.20	39.30	34.60	56.90	4.70
12/14/2012 12:00	23.40	39.00	34.00	62.60	5.00
12/14/2012 12:15	34.40	74.60	37.40	30.40	44.20
12/14/2012 12:30	37.80	81.50	54.50	69.30	27.00
12/14/2012 12:45	39.00	79.50	34.60	81.60	44.90
12/14/2012 13:00	33.00	54.60	36.00	69.90	18.60
12/14/2012 13:15	38.50	74.30	40.80	31.20	43.10
12/14/2012 13:30	37.70	77.30	42.80	36.80	40.50
12/14/2012 13:45	39.20	77.60	39.70	48.10	37.90
12/14/2012 14:00	40.40	77.30	31.30	42.60	46.00
12/14/2012 14:15	32.90	33.80	41.50	75.20	0.00
12/14/2012 14:30	42.30	66.30	28.20	27.60	38.70
12/14/2012 14:45	43.80	70.80	24.60	40.40	46.20
12/14/2012 15:00	24.20	84.90	42.20	80.00	42.70
12/14/2012 15:15	23.10	74.10	41.80	75.00	32.30
12/14/2012 15:30	23.00	26.00	36.80	68.40	0.00
12/14/2012 15:45	22.10	25.30	30.50	71.40	0.00
12/14/2012 16:00	27.70	66.50	22.50	27.80	44.00
12/14/2012 16:15	22.80	72.70	41.50	64.40	31.20
12/14/2012 16:30	22.40	18.10	36.30	54.40	0.00
12/14/2012 16:45	38.70	21.00	30.60	43.70	8.10
12/14/2012 17:00	30.30	32.80	24.10	28.70	8.70
12/14/2012 17:15	29.00	28.00	23.70	28.50	5.30
12/14/2012 17:30	24.10	38.10	35.70	30.40	7.70
12/14/2012 17:45	24.70	36.80	37.70	31.60	5.20
12/14/2012 18:00	40.60	27.00	33.40	35.60	7.20
12/14/2012 18:15	32.90	35.30	26.20	31.30	9.10
12/14/2012 18:30	32.20	32.90	26.70	24.70	8.20
12/14/2012 18:45	32.30	32.70	27.40	33.80	5.30
12/14/2012 19:00	33.70	36.30	28.10	41.80	8.20
12/14/2012 19:15	44.00	47.20	34.50	28.90	18.30
12/14/2012 19:30	35.90	37.70	36.30	36.10	1.60
12/14/2012 19:45	30.00	32.90	43.60	37.90	0.00
12/14/2012 20:00	30.90	30.90	39.20	48.30	0.00
12/14/2012 20:15	40.50	27.80	24.50	20.50	20.00
12/14/2012 20:30	33.40	34.20	31.70	30.10	4.10
12/14/2012 20:45	53.90	35.10	35.80	58.90	18.10
12/14/2012 21:00	44.20	45.20	39.60	60.70	5.60
12/14/2012 21:15	39.40	47.50	41.30	47.20	6.20
12/14/2012 21:30	34.90	43.50	40.10	47.10	3.40
12/14/2012 21:45	35.40	52.00	37.20	49.30	14.80
12/14/2012 22:00	35.10	59.30	36.60	50.00	22.70
12/14/2012 22:15	34.30	38.50	29.60	44.00	8.90
12/14/2012 22:30	26.10	29.60	32.00	35.00	0.00
12/14/2012 22:45	31.10	34.90	25.90	26.40	9.00
12/14/2012 23:00	31.80	34.30	25.80	26.70	8.50
12/14/2012 23:15	28.00	30.70	28.80	31.40	1.90
12/14/2012 23:30	31.10	33.10	29.90	32.10	0.00
12/14/2012 23:45	31.20	34.90	28.20	22.30	12.60
12/15/2012 0:00	31.00	48.40	29.30	29.30	19.10
12/15/2012 0:15	36.30	44.70	39.90	37.20	7.50
12/15/2012 0:30	34.60	43.80	50.40	47.90	0.00
12/15/2012 0:45	39.60	52.60	52.50	54.10	0.10



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/15/2012 1:00	37.90	57.70	46.40	45.90	11.80
12/15/2012 1:15	39.10	63.50	44.20	45.30	19.30
12/15/2012 1:30	41.30	59.70	37.40	44.50	22.30
12/15/2012 1:45	41.00	100.20	34.70	39.00	65.50
12/15/2012 2:00	44.10	110.70	34.20	36.60	76.50
12/15/2012 2:15	43.10	91.40	34.60	35.60	56.80
12/15/2012 2:30	43.50	92.00	35.20	35.90	56.80
12/15/2012 2:45	38.50	76.10	35.00	38.40	41.10
12/15/2012 3:00	32.50	89.90	31.50	26.80	63.10
12/15/2012 3:15	34.50	83.70	30.60	30.50	53.20
12/15/2012 3:30	35.60	95.20	31.60	31.90	63.60
12/15/2012 3:45	26.80	60.80	32.80	38.80	28.00
12/15/2012 4:00	26.60	71.20	33.40	35.30	37.80
12/15/2012 4:15	70.40	103.30	50.30	54.70	53.00
12/15/2012 4:30	52.60	69.40	40.70	82.30	28.70
12/15/2012 4:45	25.80	63.20	52.60	63.20	10.60
12/15/2012 5:00	51.30	55.20	25.20	47.10	0.00
12/15/2012 5:15	45.00	52.80	25.30	41.70	27.50
12/15/2012 5:30	48.80	46.30	24.80	34.60	0.00
12/15/2012 5:45	47.30	46.80	26.40	31.70	20.90
12/15/2012 6:00	28.50	32.60	45.10	51.70	0.00
12/15/2012 6:15	37.30	34.70	35.00	40.20	2.30
12/15/2012 6:30	36.10	42.20	33.20	40.50	9.00
12/15/2012 6:45	23.90	42.00	32.90	36.10	9.10
12/15/2012 7:00	31.70	33.30	25.00	42.20	8.30
12/15/2012 7:15	27.20	39.10	30.70	32.60	8.40
12/15/2012 7:30	29.70	41.80	29.10	31.20	12.70
12/15/2012 7:45	27.90	30.60	28.50	37.10	2.10
12/15/2012 8:00	28.40	34.00	28.30	29.10	5.70
12/15/2012 8:15	26.20	28.40	26.30	55.50	2.10
12/15/2012 8:30	27.00	28.70	27.10	58.20	1.60
12/15/2012 8:45	29.40	30.50	26.30	47.10	4.20
12/15/2012 9:00	28.80	29.50	26.10	40.80	3.40
12/15/2012 9:15	48.80	51.70	25.80	43.00	25.90
12/15/2012 9:30	26.50	33.10	43.30	50.00	0.00
12/15/2012 9:45	24.50	44.10	38.90	42.10	5.20
12/15/2012 10:00	33.60	71.30	51.50	57.70	19.80
12/15/2012 10:15	40.70	70.00	43.20	53.70	26.80
12/15/2012 10:30	41.90	65.00	42.10	44.20	22.90
12/15/2012 10:45	38.10	46.70	42.90	66.40	3.80
12/15/2012 11:00	30.50	36.30	34.60	70.20	1.70
12/15/2012 11:15	32.00	54.20	27.00	28.90	27.20
12/15/2012 11:30	30.50	31.90	32.90	47.20	0.00
12/15/2012 11:45	36.70	47.20	28.40	29.70	18.80
12/15/2012 12:00	30.50	31.60	35.60	62.50	0.00
12/15/2012 12:15	37.00	60.80	31.70	32.10	29.10
12/15/2012 12:30	31.80	32.30	39.30	58.60	0.00
12/15/2012 12:45	30.90	32.90	39.40	62.30	0.00
12/15/2012 13:00	38.60	45.90	29.50	31.00	16.40
12/15/2012 13:15	27.00	26.10	46.80	66.40	0.00
12/15/2012 13:30	32.20	74.50	29.00	27.60	46.90
12/15/2012 13:45	28.70	72.30	49.10	54.60	23.20
12/15/2012 14:00	38.30	98.90	37.10	46.60	61.80
12/15/2012 14:15	45.10	69.00	34.70	43.50	34.30
12/15/2012 14:30	45.60	74.10	31.80	41.00	42.30
12/15/2012 14:45	54.30	76.10	36.20	47.00	39.90
12/15/2012 15:00	52.20	78.20	36.50	44.20	41.70
12/15/2012 15:15	30.20	35.10	48.40	74.80	0.00
12/15/2012 15:30	44.70	73.00	29.30	31.90	43.70
12/15/2012 15:45	47.00	71.00	26.90	27.10	44.10
12/15/2012 16:00	37.90	71.90	26.60	28.30	45.30
12/15/2012 16:15	37.40	64.40	26.10	28.90	38.30
12/15/2012 16:30	39.30	64.40	25.50	28.20	38.90
12/15/2012 16:45	25.70	29.20	42.50	59.80	0.00
12/15/2012 17:00	43.10	59.70	26.20	28.50	33.50
12/15/2012 17:15	44.00	59.50	26.30	28.40	33.20
12/15/2012 17:30	43.30	54.60	27.90	29.30	26.70
12/15/2012 17:45	29.00	31.10	41.60	67.10	0.00
12/15/2012 18:00	29.40	31.80	37.10	69.90	0.00
12/15/2012 18:15	45.90	58.40	29.70	31.40	28.70
12/15/2012 18:30	60.90	60.00	27.40	24.10	36.80
12/15/2012 18:45	45.20	66.20	28.80	30.70	37.40
12/15/2012 19:00	35.90	62.90	30.20	30.40	32.70
12/15/2012 19:15	31.20	29.30	41.90	58.90	0.00
12/15/2012 19:30	38.30	50.10	32.20	30.10	20.00
12/15/2012 19:45	39.50	43.40	39.00	37.00	6.40
12/15/2012 20:00	30.90	36.10	44.80	53.20	0.00
12/15/2012 20:15	29.40	41.90	41.70	46.20	0.20
12/15/2012 20:30	32.30	36.60	39.90	48.80	0.00
12/15/2012 20:45	27.60	36.50	38.90	50.70	0.00
12/15/2012 21:00	26.70	34.70	31.80	72.70	2.90
12/15/2012 21:15	25.20	35.30	30.00	70.40	5.30
12/15/2012 21:30	33.60	62.00	23.10	31.40	38.90
12/15/2012 21:45	21.10	27.00	26.80	43.50	0.20
12/15/2012 22:00	22.60	28.20	29.10	55.70	0.00
12/15/2012 22:15	21.10	22.90	30.50	61.40	0.00
12/15/2012 22:30	21.00	23.10	31.00	69.30	0.00
12/15/2012 22:45	20.80	22.60	42.00	56.20	0.00
12/15/2012 23:00	20.00	22.30	35.60	52.90	0.00



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10-15-12 to 12-18-12
(periods of dredging)

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/15/2012 23:15	27.20	38.10	20.00	22.20	18.10
12/15/2012 23:30	28.40	38.10	23.00	27.60	15.10
12/15/2012 23:45	38.40	42.30	22.80	29.70	19.50
12/16/2012 0:00	21.80	28.80	42.70	47.40	0.00
12/16/2012 0:15	41.30	58.20	21.70	27.00	36.50
12/16/2012 0:30	40.30	61.10	23.00	27.40	38.10
12/16/2012 0:45	38.50	50.10	22.70	23.20	27.40
12/16/2012 1:00	38.80	51.20	21.80	26.40	29.40
12/16/2012 1:15	37.60	51.90	24.20	26.60	27.70
12/16/2012 1:30	33.60	44.30	25.60	24.20	20.10
12/16/2012 1:45	31.90	48.00	25.50	24.50	23.50
12/16/2012 2:00	27.50	24.50	30.40	47.40	0.00
12/16/2012 2:15	29.10	56.20	28.40	22.20	34.00
12/16/2012 2:30	28.20	57.50	29.20	20.90	36.60
12/16/2012 2:45	26.70	45.40	28.60	26.60	18.80
12/16/2012 3:00	26.20	34.10	28.60	28.40	5.70
12/16/2012 3:15	27.40	64.20	30.50	29.10	35.10
12/16/2012 3:30	47.10	70.80	29.90	26.10	44.70
12/16/2012 3:45	58.80	67.30	32.00	28.60	38.70
12/16/2012 4:00	30.40	62.10	32.40	32.30	29.80
12/16/2012 4:15	27.00	50.30	37.70	75.30	12.60
12/16/2012 4:30	25.00	32.10	34.50	42.40	0.00
12/16/2012 4:45	25.40	33.20	60.00	73.50	0.00
12/16/2012 5:00	49.60	55.20	38.00	48.80	17.20
12/16/2012 5:15	60.00	55.50	49.50	61.10	10.50
12/16/2012 5:30	56.00	62.50	54.30	72.00	8.20
12/16/2012 5:45	60.60	61.60	52.50	68.50	9.10
12/16/2012 6:00	61.00	64.40	51.60	60.30	12.80
12/16/2012 6:15	58.60	63.10	44.40	60.00	18.70
12/16/2012 6:30	55.90	62.10	44.10	57.70	18.00
12/16/2012 6:45	53.10	58.60	42.40	54.90	16.20
12/16/2012 7:00	48.90	48.60	38.70	53.10	10.20
12/16/2012 7:15	44.20	46.40	39.60	50.20	6.80
12/16/2012 7:30	42.80	46.60	39.30	48.30	7.30
12/16/2012 7:45	44.90	46.70	37.10	45.80	0.00
12/16/2012 8:00	41.70	43.70	31.90	45.70	11.80
12/16/2012 8:15	39.80	42.40	34.40	46.10	8.00
12/16/2012 8:30	37.80	47.40	37.90	38.40	9.50
12/16/2012 8:45	42.50	47.30	36.80	34.00	13.30
12/16/2012 9:00	40.30	46.10	37.20	34.50	11.60
12/16/2012 9:15	37.20	35.70	36.70	34.90	2.30
12/16/2012 9:30	40.00	34.50	35.30	35.30	4.70
12/16/2012 9:45	39.40	34.80	35.10	30.80	8.60
12/16/2012 10:00	37.80	34.20	34.70	31.00	6.80
12/16/2012 10:15	34.30	40.10	33.50	28.50	11.60
12/16/2012 10:30	37.50	42.00	33.00	31.50	10.50
12/16/2012 10:45	36.80	39.50	32.60	32.90	6.90
12/16/2012 11:00	41.60	48.50	32.50	33.80	16.00
12/16/2012 11:15	41.90	48.70	32.30	32.90	16.40
12/16/2012 11:30	37.00	49.70	31.90	32.30	17.80
12/16/2012 11:45	40.10	52.40	0.40	6.70	52.00
12/16/2012 12:00	36.90	49.20	-1.80	3.30	51.00
12/16/2012 12:15	-1.50	1.40	56.00	-1.50	2.90
12/16/2012 12:30	26.50	-0.50	-1.70	1.60	28.20
12/16/2012 12:45	11.70	0.40	-1.70	4.10	13.40
12/16/2012 13:00	-1.70	1.50	26.70	1.20	0.30
12/16/2012 13:15	-1.10	1.00	0.50	1.30	0.50
12/16/2012 13:30	-0.70	1.20	6.90	1.40	0.00
12/16/2012 13:45	-0.50	1.30	7.20	1.60	0.00
12/16/2012 14:00	0.00	2.10	7.10	1.60	0.50
12/16/2012 14:15	7.00	1.60	0.70	2.70	6.30
12/16/2012 14:30	1.70	3.20	7.00	1.60	1.60
12/16/2012 14:45	2.40	3.30	7.00	1.70	1.60
12/16/2012 15:00	2.70	3.30	7.10	1.70	1.60
12/16/2012 15:15	7.10	1.70	2.70	3.40	4.40
12/16/2012 15:30	2.80	3.40	7.10	1.70	1.70
12/16/2012 15:45	2.80	3.40	7.10	1.70	1.70
12/16/2012 16:00	2.90	3.40	7.10	1.70	1.70
12/16/2012 16:15	3.30	3.30	7.00	1.70	1.60
12/16/2012 16:30	3.60	3.40	7.10	1.70	1.90
12/16/2012 16:45	3.70	3.50	7.10	1.70	2.00
12/16/2012 17:00	3.80	3.60	7.10	1.70	2.10
12/16/2012 17:15	3.80	3.70	7.10	1.70	2.10
12/16/2012 17:30	3.90	3.80	7.10	1.70	2.20
12/16/2012 17:45	4.00	3.90	7.10	1.60	2.40
12/16/2012 18:00	4.10	3.90	7.10	1.70	2.40
12/16/2012 18:15	4.20	3.90	7.00	1.70	2.50
12/16/2012 18:30	4.20	3.90	7.10	1.70	2.50
12/16/2012 18:45	4.20	4.00	7.10	1.70	2.50
12/16/2012 19:00	4.20	4.00	7.10	1.70	2.50
12/16/2012 19:15	4.20	4.10	7.10	1.70	2.50
12/16/2012 19:30	4.20	4.10	7.10	1.70	2.50
12/16/2012 19:45	4.20	4.10	7.10	1.70	2.50
12/16/2012 20:00	4.30	4.20	7.20	1.70	2.60
12/16/2012 20:15	4.30	4.20	7.10	1.60	2.70
12/16/2012 20:30	7.20	1.70	4.30	4.30	2.90
12/16/2012 20:45	4.30	4.30	7.10	1.60	2.70
12/16/2012 21:00	4.30	4.40	7.20	1.70	2.70
12/16/2012 21:15	4.30	4.40	7.20	1.70	2.70



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/16/2012 21:30	4.30	4.40	7.20	1.70	2.70
12/16/2012 21:45	4.30	4.40	7.20	1.70	2.70
12/16/2012 22:00	4.30	4.50	7.20	1.70	2.80
12/16/2012 22:15	4.30	4.50	7.20	1.70	2.80
12/16/2012 22:30	4.30	4.50	7.20	1.70	2.80
12/16/2012 22:45	4.30	4.50	7.20	1.70	2.80
12/16/2012 23:00	4.30	4.50	7.20	1.70	2.80
12/16/2012 23:15	4.30	4.50	7.20	1.70	0.00
12/16/2012 23:30	4.30	4.50	7.20	1.70	2.80
12/16/2012 23:45	4.30	4.50	7.30	1.70	0.00
12/17/2012 0:00	4.30	4.50	7.30	1.70	2.80
12/17/2012 0:15	4.30	4.50	7.20	1.70	2.80
12/17/2012 0:30	4.30	4.50	7.20	1.70	2.80
12/17/2012 0:45	4.30	4.50	7.30	1.70	2.80
12/17/2012 1:00	4.30	4.60	7.20	1.70	2.90
12/17/2012 1:15	4.30	4.60	7.30	1.70	2.90
12/17/2012 1:30	4.30	4.50	7.30	1.70	2.80
12/17/2012 1:45	4.30	4.50	7.30	1.70	2.80
12/17/2012 2:00	4.30	4.60	7.30	1.70	2.90
12/17/2012 2:15	4.30	4.50	7.30	1.70	2.80
12/17/2012 2:30	4.30	4.50	7.30	1.70	2.80
12/17/2012 2:45	4.30	4.60	7.20	1.70	2.90
12/17/2012 3:00	4.30	4.50	7.30	1.70	2.80
12/17/2012 3:15	4.30	4.60	7.30	1.70	2.90
12/17/2012 3:30	7.30	1.70	4.30	4.60	3.00
12/17/2012 3:45	4.30	4.50	7.30	1.70	2.80
12/17/2012 4:00	4.30	4.50	7.30	1.70	2.80
12/17/2012 4:15	7.30	1.70	4.40	4.60	2.90
12/17/2012 4:30	4.40	4.60	7.30	1.70	2.90
12/17/2012 4:45	4.30	4.60	7.30	1.70	2.90
12/17/2012 5:00	7.30	1.70	4.30	4.50	3.00
12/17/2012 5:15	4.40	4.50	7.30	1.70	2.80
12/17/2012 5:30	7.30	1.70	4.40	4.60	2.90
12/17/2012 5:45	7.30	1.80	4.40	4.60	2.90
12/17/2012 6:00	7.30	1.80	4.40	4.60	2.90
12/17/2012 6:15	4.40	4.60	7.30	1.70	2.90
12/17/2012 6:30	7.30	1.70	4.40	4.60	2.90
12/17/2012 6:45	4.40	4.50	7.30	1.70	2.80
12/17/2012 7:00	4.40	4.60	7.30	1.70	2.90
12/17/2012 7:15	7.30	1.70	4.40	4.60	2.90
12/17/2012 7:30	4.40	4.60	7.30	1.70	2.90
12/17/2012 7:45	4.50	4.60	7.30	1.70	2.90
12/17/2012 8:00	4.60	4.70	1.60	1.80	3.10
12/17/2012 8:15	4.60	4.70	1.00	1.80	3.70
12/17/2012 8:30	0.80	1.80	4.60	4.70	0.00
12/17/2012 8:45	1.00	1.80	4.60	4.70	0.00
12/17/2012 9:00	4.60	4.70	4.10	1.80	2.90
12/17/2012 9:15	5.10	1.80	4.60	4.80	0.50
12/17/2012 9:30	4.70	4.80	5.20	1.80	3.00
12/17/2012 9:45	4.70	4.80	5.20	1.80	3.00
12/17/2012 10:00	4.70	4.80	5.10	1.80	3.00
12/17/2012 10:15	4.70	4.80	5.10	1.90	0.00
12/17/2012 10:30	4.70	4.80	5.00	1.80	3.00
12/17/2012 10:45	4.90	1.80	4.70	4.80	0.20
12/17/2012 11:00	4.70	4.80	4.90	1.80	3.00
12/17/2012 11:15	4.70	4.80	4.80	1.80	3.00
12/17/2012 11:30	4.70	1.80	4.70	4.80	0.00
12/17/2012 11:45	4.70	4.80	4.60	1.80	3.00
12/17/2012 12:00	4.70	4.80	4.60	1.80	3.00
12/17/2012 12:15	4.60	4.80	4.60	1.80	3.00
12/17/2012 12:30	4.60	1.80	4.60	4.80	0.00
12/17/2012 12:45	4.70	4.80	4.60	1.80	0.00
12/17/2012 13:00	4.70	4.80	4.50	1.80	3.00
12/17/2012 13:15	4.70	4.80	4.50	1.90	2.90
12/17/2012 3:30	7.30	1.70	4.30	4.60	3.00
12/17/2012 3:45	4.30	4.50	7.30	1.70	2.80
12/17/2012 4:00	4.30	4.50	7.30	1.70	2.80
12/17/2012 4:15	7.30	1.70	4.40	4.60	2.90
12/17/2012 4:30	4.40	4.60	7.30	1.70	2.90
12/17/2012 4:45	4.30	4.60	7.30	1.70	2.90
12/17/2012 5:00	7.30	1.70	4.30	4.50	3.00
12/17/2012 5:15	4.40	4.50	7.30	1.70	2.80
12/17/2012 5:30	7.30	1.70	4.40	4.60	2.90
12/17/2012 5:45	7.30	1.80	4.40	4.60	2.90
12/17/2012 6:00	7.30	1.80	4.40	4.60	2.90
12/17/2012 6:15	4.40	4.60	7.30	1.70	2.90
12/17/2012 6:30	7.30	1.70	4.40	4.60	2.90
12/17/2012 6:45	4.40	4.50	7.30	1.70	2.80
12/17/2012 7:00	4.40	4.60	7.30	1.70	2.90
12/17/2012 7:15	7.30	1.70	4.40	4.60	2.90
12/17/2012 7:30	4.40	4.60	7.30	1.70	2.90
12/17/2012 7:45	4.50	4.60	7.30	1.70	2.90
12/17/2012 8:00	4.60	4.70	1.60	1.80	3.10
12/17/2012 8:15	4.60	4.70	1.00	1.80	3.70
12/17/2012 8:30	0.80	1.80	4.60	4.70	0.00
12/17/2012 8:45	1.00	1.80	4.60	4.70	0.00
12/17/2012 9:00	4.60	4.70	4.10	1.80	2.90
12/17/2012 9:15	5.10	1.80	4.60	4.80	0.50
12/17/2012 9:30	4.70	4.80	5.20	1.80	3.00



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Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/17/2012 9:45	4.70	4.80	5.20	1.80	3.00
12/17/2012 10:00	4.70	4.80	5.10	1.80	3.00
12/17/2012 10:15	4.70	4.80	5.10	1.90	0.00
12/17/2012 10:30	4.70	4.80	5.00	1.80	3.00
12/17/2012 10:45	4.90	1.80	4.70	4.80	0.20
12/17/2012 11:00	4.70	4.80	4.90	1.80	3.00
12/17/2012 11:15	4.70	4.80	4.80	1.80	3.00
12/17/2012 11:30	4.70	1.80	4.70	4.80	0.00
12/17/2012 11:45	4.70	4.80	4.60	1.80	3.00
12/17/2012 12:00	4.70	4.80	4.60	1.80	3.00
12/17/2012 12:15	4.60	4.80	4.60	1.80	3.00
12/17/2012 12:30	4.60	1.80	4.60	4.80	0.00
12/17/2012 12:45	4.70	4.80	4.60	1.80	0.00
12/17/2012 13:00	4.70	4.80	4.50	1.80	3.00
12/17/2012 13:15	4.70	4.80	4.50	1.90	2.90
12/17/2012 13:30	4.50	1.90	4.70	4.70	0.00
12/17/2012 13:45	4.70	4.70	4.50	1.90	2.80
12/17/2012 14:00	4.70	4.70	4.50	1.90	2.80
12/17/2012 14:15	4.70	4.80	4.50	1.90	2.90
12/17/2012 14:30	4.70	4.70	4.50	1.90	2.80
12/17/2012 14:45	4.50	1.90	4.70	4.70	0.00
12/17/2012 15:00	4.60	4.80	2.70	1.90	2.90
12/17/2012 15:15	4.70	4.70	2.60	1.90	2.80
12/17/2012 15:30	4.70	4.80	3.20	1.90	2.90
12/17/2012 15:45	3.20	1.70	4.70	4.70	0.00
12/17/2012 16:00	1.20	1.70	19.40	22.80	0.00
12/17/2012 16:15	20.00	22.40	25.20	74.00	0.00
12/17/2012 16:30	24.40	26.40	19.60	22.00	6.80
12/17/2012 16:45	19.90	23.80	23.30	25.50	0.50
12/17/2012 17:00	22.90	24.30	20.30	26.00	4.00
12/17/2012 17:15	19.70	26.40	22.50	23.70	3.90
12/17/2012 17:30	23.70	24.70	19.50	28.90	5.20
12/17/2012 17:45	23.00	25.20	19.40	28.00	5.80
12/17/2012 18:00	20.30	24.80	19.00	23.50	5.80
12/17/2012 18:15	19.30	23.80	22.70	24.50	1.10
12/17/2012 18:30	24.40	25.60	20.00	24.40	5.60
12/17/2012 18:45	27.00	27.10	22.10	25.00	5.00
12/17/2012 19:00	21.80	24.70	22.50	27.90	2.20
12/17/2012 19:15	21.20	24.70	21.50	28.00	3.20
12/17/2012 19:30	21.00	27.40	20.90	24.50	6.50
12/17/2012 19:45	20.20	25.00	19.70	25.00	5.30
12/17/2012 20:00	20.30	24.10	19.40	24.50	4.70
12/17/2012 20:15	20.60	22.00	19.00	23.90	3.00
12/17/2012 20:30	21.20	22.20	18.60	22.20	3.60
12/17/2012 20:45	21.20	22.10	19.50	22.70	2.60
12/17/2012 21:00	20.20	23.30	21.00	22.30	2.30
12/17/2012 21:15	21.00	23.70	20.60	22.20	3.10
12/17/2012 21:30	20.70	22.00	19.30	22.50	2.70
12/17/2012 21:45	20.70	21.80	18.80	22.40	3.00
12/17/2012 22:00	20.60	21.20	20.30	23.70	0.90
12/17/2012 22:15	20.30	21.40	20.10	24.30	1.30
12/17/2012 22:30	20.20	20.80	20.00	23.50	0.80
12/17/2012 22:45	19.70	20.20	19.30	23.60	0.90
12/17/2012 23:00	19.00	20.00	18.40	24.30	1.60
12/17/2012 23:15	17.60	23.00	18.80	19.30	4.20
12/17/2012 23:30	18.80	18.90	19.40	23.00	0.00
12/17/2012 23:45	18.40	19.00	18.20	23.50	0.80
12/18/2012 0:00	17.60	22.20	18.60	18.70	3.60
12/18/2012 0:15	18.50	18.70	17.20	22.20	1.50
12/18/2012 0:30	18.20	18.70	16.90	20.80	1.80
12/18/2012 0:45	18.40	19.00	17.10	19.90	1.90
12/18/2012 1:00	18.70	19.40	18.10	19.90	1.30
12/18/2012 1:15	18.90	19.20	18.50	21.70	0.70
12/18/2012 1:30	18.60	19.20	16.70	20.60	2.50
12/18/2012 1:45	18.40	19.00	16.10	19.20	2.90
12/18/2012 2:00	18.90	19.10	15.80	20.00	3.30
12/18/2012 2:15	18.10	19.10	16.30	20.00	2.80
12/18/2012 2:30	17.90	18.50	16.00	20.20	2.50
12/18/2012 2:45	17.90	18.50	16.10	20.20	2.40
12/18/2012 3:00	17.90	18.40	15.10	20.30	3.30
12/18/2012 3:15	17.60	18.20	15.10	19.90	3.10
12/18/2012 3:30	15.50	19.90	18.20	18.30	1.70
12/18/2012 3:45	17.90	18.20	15.10	20.00	3.10
12/18/2012 4:00	17.90	18.30	15.10	19.00	3.20
12/18/2012 4:15	17.90	18.90	15.50	20.00	3.40
12/18/2012 4:30	18.00	18.20	15.70	19.00	2.50
12/18/2012 4:45	18.40	18.40	15.70	18.60	2.70
12/18/2012 5:00	17.70	18.20	15.50	17.30	2.70
12/18/2012 5:15	17.70	18.80	15.40	17.50	3.40
12/18/2012 5:30	17.50	18.40	15.20	18.30	3.20
12/18/2012 5:45	17.60	18.10	15.20	18.00	2.90
12/18/2012 6:00	17.50	19.90	15.20	18.00	4.70
12/18/2012 6:15	17.10	20.30	15.80	21.50	4.50
12/18/2012 6:30	17.20	22.40	15.50	20.20	6.90
12/18/2012 6:45	17.80	24.40	15.90	30.40	8.50
12/18/2012 7:00	17.30	23.40	15.60	22.80	7.80
12/18/2012 7:15	13.30	16.60	17.10	19.50	0.00
12/18/2012 7:30	13.20	19.40	17.40	20.10	2.00
12/18/2012 7:45	17.60	30.80	14.70	18.10	16.10



**US Army Corps
of Engineers®**

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Turbidity Data
10-15-12 to 12-18-12
(periods of dredging)

Reading Time	Downstream High Sensor	Downstream Low Sensor	Upstream High Sensor	Upstream Low Sensor	Dredge Contribution
12/18/2012 8:00	17.80	29.40	15.00	20.70	14.40
12/18/2012 8:15	17.60	29.50	14.10	28.10	15.40
12/18/2012 8:30	21.90	35.70	13.70	26.70	22.00
12/18/2012 8:45	37.10	45.30	14.40	26.30	30.90
12/18/2012 9:00	20.30	52.60	13.20	28.60	39.40
12/18/2012 9:15	18.60	39.00	13.10	35.70	25.90
12/18/2012 9:30	14.70	40.60	20.20	38.90	20.40
12/18/2012 9:45	32.10	39.10	12.90	32.10	26.20
12/18/2012 10:00	40.10	37.50	13.20	33.10	26.90
12/18/2012 10:15	13.60	17.40	44.00	45.40	0.00
12/18/2012 10:30	40.20	51.80	13.60	17.20	38.20
12/18/2012 10:45	27.20	53.50	13.70	16.90	39.80
12/18/2012 11:00	90.10	209.80	14.20	27.20	195.60
12/18/2012 11:15	13.80	22.90	50.60	76.50	0.00
12/18/2012 11:30	51.90	63.80	14.20	20.80	49.60
12/18/2012 11:45	47.10	60.10	14.80	23.60	45.30
12/18/2012 12:00	48.10	67.70	14.50	29.60	53.20
12/18/2012 12:15	14.50	90.20	47.90	65.20	42.30
12/18/2012 12:30	21.20	97.10	47.70	74.20	49.40
12/18/2012 12:45	23.10	26.30	43.10	68.90	0.00
12/18/2012 13:00	26.60	27.90	47.60	62.50	0.00
12/18/2012 13:15	46.80	75.40	27.00	29.00	48.40
12/18/2012 13:30	47.20	94.40	27.20	28.00	67.20
12/18/2012 13:45	44.50	84.80	25.80	28.50	59.00
12/18/2012 14:00	44.90	83.40	54.80	64.00	28.60
12/18/2012 14:15	66.70	72.80	51.50	62.30	21.30
12/18/2012 14:30	42.50	60.40	60.10	70.30	0.30
12/18/2012 14:45	43.50	66.30	40.90	51.20	25.40
12/18/2012 15:00	45.40	60.80	40.70	43.20	20.10
12/18/2012 15:15	45.30	56.00	40.90	41.50	15.10
12/18/2012 15:30	33.20	35.40	49.40	55.30	0.00
12/18/2012 15:45	33.20	19.90	56.00	47.40	0.00
12/18/2012 16:00	31.50	18.00	57.20	55.20	0.00
12/18/2012 16:15	65.70	30.90	21.50	17.40	48.30
12/18/2012 16:30	73.30	36.90	20.20	18.40	54.90
12/18/2012 16:45	92.10	90.60	20.10	17.70	74.40
12/18/2012 17:00	94.30	104.70	21.40	18.20	86.50
12/18/2012 17:15	93.70	100.20	23.50	19.70	80.50
12/18/2012 17:30	92.80	85.50	23.00	18.40	74.40
12/18/2012 17:45	95.10	89.90	23.80	18.80	76.30
12/18/2012 18:00	23.00	17.90	65.50	77.30	0.00
12/18/2012 18:15	20.50	17.50	57.30	58.00	0.00
12/18/2012 18:30	35.90	50.90	23.10	16.30	34.60
12/18/2012 18:45	32.20	42.20	21.80	16.90	25.30
12/18/2012 19:00	22.10	18.50	40.60	31.90	0.00