Section 5-3 Cold Brook and Whitten Brook (Skowhegan Conservation Commission)

Cold Brook and Whitten Brook

Cold Brook:

Cold Brook originates east of Russell Road, flows into an impounded section (Cold Brook Pond) bordered by three commercial shopping malls, flows under Route 201, meanders adjacent to the North Gate Industrial Park, the retired Town of Skowhegan Landfill, and a forested area before it discharges to the West Branch of Wesserunsett Stream. The brook is 5.89 miles long (mainstem) and its watershed encompasses approximately 4774 acres including residential, commercial, industrial and undeveloped land. The statutory class of Cold Brook is Class B.

Whitten Brook:

Whitten Brook originates in an undeveloped forest located northwest of Coburn Avenue in Skowhegan. It meanders for 0.6 miles parallel to Spring Street before it enters a small impounded area adjacent to an old shoe factory that is currently being used as a warehouse and storage facility. It then flows under Russell Street where it joins its northern branch that originates near Robinson Court. It continues to flow another 0.5 miles in a southerly direction, crossing underneath Spring Street, Summer Street, Bennett Avenue, Pleasant Street and finally Elm Street where it discharges into the Kennebec River upstream from Weston Dam. The brook is 1.11 miles long (mainstem) and its watershed encompasses approximately 304 acres including residential, commercial, industrial and undeveloped land. The statutory class of Whitten Brook is Class B.

Whitten Brook is listed by DEP as impaired due to non-attainment of aquatic life criterion and habitat, as well as nonattainment of bacteria criterion. The cause of impairment is stormwater runoff from impervious surfaces and roads within the watershed. The Town of Skowhegan and Maine DEP conducted a multi-year effort to assess the impacts to the brook's water quality that culminated in the placement of two bioretention cells designed to decrease the water quality impacts of high flow events. In March 2011, a watershed management plan that identifies the problems, priorities and actions needed to improve the water quality was completed.

Monitoring History

• The Maine DEP Biological Monitoring Program has been monitoring Cold Brook since 1997 and Whitten Brook since 2002. This data is available on DEP's website.

• The Maine DEP monitored Whitten Brook in 2006 for bacteria, dissolved oxygen and toxics.

Methods and Sampling Sites

Volunteers monitor Cold Brook at two sites on the mainstem. Volunteers monitor Whitten Brook at three sites on the mainstem and one site on the Northern tributary. All of the sites are VRMP approved sites.

Monitoring is conducted weekly from June to September. Monitors take measurements of water temperature, dissolved oxygen, and conductivity using a YSI meter.

VRMP Site ID	Organization Site Code	Sample Location	Class
Cold Brook-KWSCB27-VRMP	CB-2	Route 201	В
Cold Brook-KWSCBO-VRMP	CB-3	Steward Hill	В
Whitten Brook-KWB06-VRMP	WB-1	Russell Street-above	В
Whitten Brook-KWB05-VRMP	WB-2	Russell Street-below	В
Whitten Brook-North Branch- KWBNB02-VRMP	WB-3	North Branch	В
Whitten Brook-KWB01-VRMP	WB-4	Pleasant Street	В

Table 5-3-1: Cold Brook and Whitten Brook sampling sites.

Cold Brook and Whitten Brook Sampling Sites

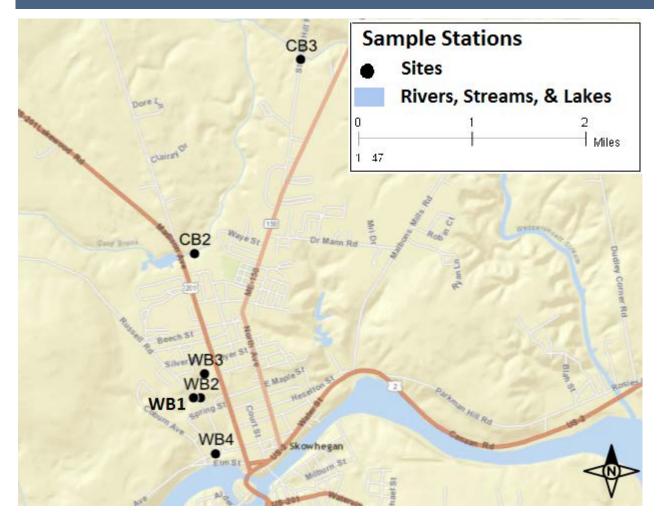


Figure 5-3-1: Map of Cold Brook and Whitten Brook sampling sites.

Results

Refer to Appendices A-1 and A-2 in discussion of individual site data and trends.

Dissolved Oxygen

Dissolved oxygen levels are generally lowest early in the morning and then increase during the day, peaking mid to late afternoon. Monitors should try to collect some samples early in the morning. Dissolved oxygen is also affected by flow conditions and temperature. During high flow conditions, more oxygen is added to the river from the atmosphere as the water is more turbulent and there is more opportunity for mixing. If flow during the summer months is higher or lower that normal, this will affect the dissolved oxygen.

Class B criteria for dissolved oxygen are a minimum of 7 mg/l (milligrams/liter) or 75% saturation. To meet water quality criteria, both concentration and saturation criteria must be met.

2014 Results:

Both Cold Brook and Whitten Brook were sampled weekly (16-17 times) through the sampling season. At sampling site CB-2, the dissolved oxygen (DO) concentration criterion of 7 mg/l was not met for 2 sampling dates (in July and early September). This site did not meet the DO percent saturation criterion on 2 dates (September). Site CB-3 did not meet criterion for DO concentration on 8 of 17 sampling dates and did not meet criterion for DO percent saturation on 9 of 17 sampling dates. DO at Site CB-2 is good and CB-3 is fair. Dissolved oxygen at these sites may in part be natural since site CB-2 is below a large impounded area and above site CB-3 is a wetland area.

All of the Whitten Brook sample sites met DO criterion for dissolved oxygen concentration of 7 mg/l. Whitten Brook sites also met criterion for DO percent saturation for all dates except 1 date at site WB-3. Overall dissolved oxygen was excellent at Whitten Brook. It is surprising that this small urban stream maintained good DO through the season. The 2014 season had did have higher than normal flows which likely contributed to the high dissolved oxygen. The monitors did an excellent job of obtaining early morning measurements.

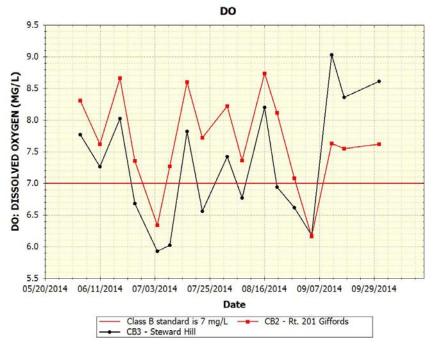
Site	Class	# of Observations	Average	Minimum	Maximum	Criterion	# Exceeding
CB-2	В	17	7.7	6.2	8.7	7	2
CB-3	В	17	7.3	5.9	9.0	7	8
WB-1	В	17	8.9	8.0	10.2	7	0
WB-2	В	17	9.0	8.3	10.3	7	0
WB-3	В	17	8.9	7.8	10.5	7	0
WB-4	В	16	9.6	8.9	10.9	7	0

Table 5-3-2: A summary of minimum, maximum, and average dissolved oxygen concentration (mg/l) values at Cold Brook and Whitten Brook monitoring sites.

Site	Class	# of Observations	Average	Minimum	Maximum	Criterion	# Exceeding
CB-2	В	17	81.1	68.5	89.9	75	2
CB-3	В	17	75.6	60.1	89.8	75	9
WB-1	В	17	85.0	76.1	94.1	75	0
WB-2	В	17	86.2	80.2	94.8	75	0
WB-3	В	17	84.1	74.3	96.3	75	1
WB-4	В	16	92.5	87.9	99.7	75	0

Table 5-5-3: A summary of minimum, maximum, and average dissolved oxygen saturation (%) values at ColdBrook and Whitten Brook monitoring sites.

Figure 5-3-2: Graph of dissolved oxygen concentrations for Cold Brook sites.



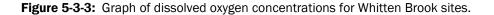
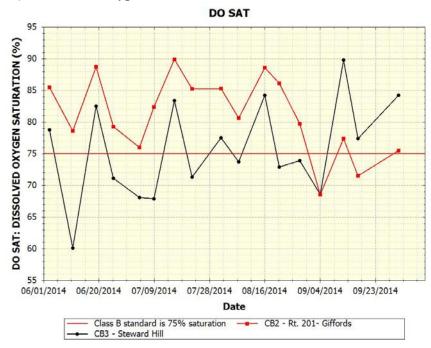
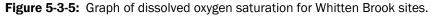
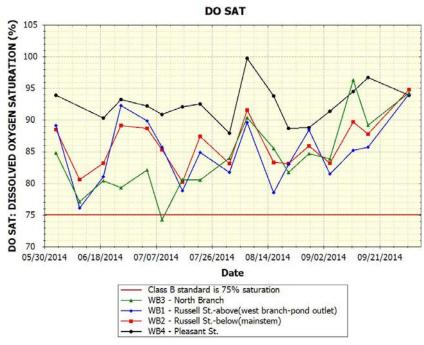




Figure 5-3-4: Graph of dissolved oxygen saturation for Cold Brook sites.







Water Temperature

Maine's Regulations Relating to Temperature (06-096 CMR Chapter 582) require that discharge of pollutants not raise the temperature of any river and stream above the EPA criteria for indigenous species (23°C maximum and 19°C weekly average) or 0.3° C (0.5° F) above the temperature that would naturally occur outside a mixing zone established by the Board of Environmental Protection. Pollutant is defined in statute as many things including dirt and heat. For tidal waters, discharge of pollutants may not raise the temperature more than 4°F (2.2° C) or more than 1.5° F (0.8° C) from June 1 to September 1, and may not cause the temperature of any tidal waters to exceed 85°F (29° C) at any point outside a mixing zone established by the Board of Environmental Protection.

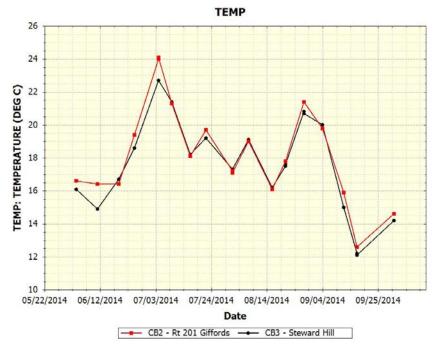
2014 Results:

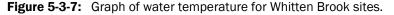
Temperature at the Cold Brook sampling sites was overall fairly cold with the exception of early July and late August. Overall temperature at Cold Brook is good. Temperature at Whitten Brook was cold at all the sites throughout the season with maximum temperatures 15° to 16°C (Celsius). Overall temperature at Whitten Brook was excellent. The 2014 season had flows above normal which likely helped moderate temperatures.

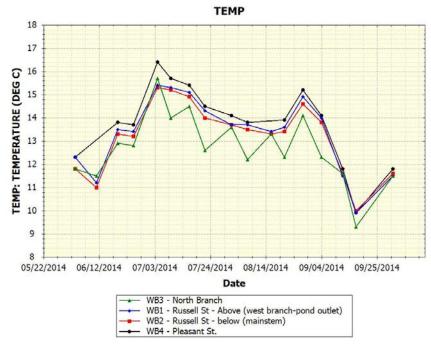
Site	Class	# of Observations	Average	Minimum	Maximum	Criterion	# Exceeding
CB-2	В	17	18.0	12.6	24.0	n/a	n/a
CB-3	В	17	17.7	12.2	22.7	n/a	n/a
WB-1	В	17	13.3	9.9	15.4	n/a	n/a
WB-2	В	17	13.2	10.0	15.3	n/a	n/a
WB-3	В	17	12.7	9.3	15.7	n/a	n/a
WB-4	В	15	13.8	9.9	16.4	n/a	n/a

Table 5-3-4: A summary of minimum, maximum, and water temperature (°C) values at Cold Brook and Whitten Brook monitoring sites.

Figure 5-3-6: Graph of water temperature for Cold Brook sites.







Specific Conductance

Specific conductance is related to the amount of dissolved materials in the water. While there are no numerical standards, a relationship exists between conductivity and chloride which has numerical criteria. In general, streams located in urban areas tend to have high specific conductance due to polluted urban stormwater runoff. This may also in large part be due to salt buildup in surface and groundwater from road maintenance practices.

2014 Results:

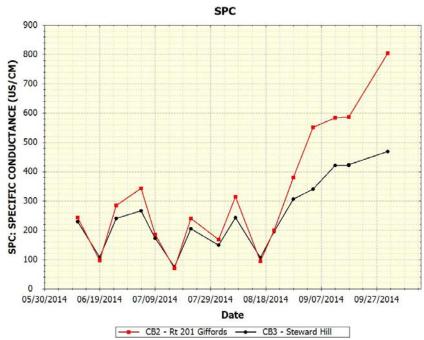
Specific conductance at Cold Brook varied through the season with values fluctuating for the period of May to late August from 69-342 μ S/cm. From late August to late September, values at CB-2 ranged from 380-803 and at CB-3 from 305-469 μ S/cm. It is unknown why values rose during the last month of sampling, especially at Site CB-2. These values are somewhat high.

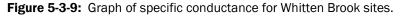
Specific conductance at Whitten Brook sampling sites WB-1, WB-2, and WB-4 were similar. Values here were overall moderate with most values in the 150-250 μ S/cm range. The exception was one date (July 16) at site WB-2 (460 μ S/cm). Specific conductance was generally always high at site WB-3 (north branch) with most values in the 500-600 μ S/cm range. One date was low (July 16) when there was a heavy rain event that likely caused dilution.

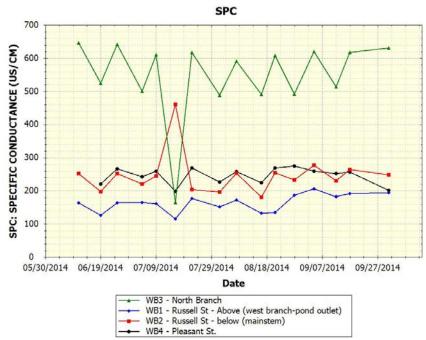
Site	Class	# of Observations	Average	Minimum	Maximum	Criterion	# Exceeding
CB-2	В	16	321	69	803	n/a	n/a
CB-3	В	16	246	75	469	n/a	n/a
WB-1	В	16	164	115	206	n/a	n/a
WB-2	В	16	248	181	460	n/a	n/a
WB-3	В	16	547	164	646	n/a	n/a
WB-4	В	15	245	198	275	n/a	n/a

Table 5-3-5: A summary of minimum, maximum, and specific conductance (μ S/cm) values at Cold Brook and Whitten Brook monitoring sites.

Figure 5-3-8: Graph of specific conductance for Cold Brook sites.







Discussion and Recommendations

There are numerous sources of pollution and other stresses to the Kennebunk River sites monitored by the Mousam and Kennebunk Rivers Alliance that could potentially have an impact on water quality. Some of those sources of pollution and stress may include:

- Non-point source pollution (e.g., septic systems, eroded soil, fertilizers, pesticides, heavy metals, petroleum residues, road salt, wildlife and pet feces) and polluted stormwater originating from urban impervious surfaces (e.g., streets, parking lots, driveways, roofs), agriculture, and forestry.
- Ponds and impoundments (which often create more pond-like aquatic habitat conditions that may have higher water temperatures and lower dissolved oxygen concentrations than free-flowing waters)
- Natural effects of wetlands (such as contributing waters to a stream/river that have low dissolved oxygen levels due to the decomposition of large amounts of organic matter, respiration of abundant plant matter, and low re-aeration rates that is characteristic of many wetlands).

The following are recommendations for future monitoring:

• The monitors should continue to include early morning measurements for dissolved oxygen. It is important to get some values early in the morning (before 8:00 am), particularly during the warmer summer months. Over a 24 hour period, the lowest readings occur in the early morning and highest readings in mid to late afternoon. This occurs because oxygen is used up during the night due to plant respiration and during the day, plant life is photosynthesizing.

- If specific conductance values are high at Cold Brook in 2015, and especially if there is an increasing trend, further assessment of possible pollution sources should be investigated. Further investigation of potential sources in Whitten Brook-north branch may also be warranted.
- Continue monitoring at all stations to develop a long term trend database. The monitors may consider doing monitoring biweekly instead of weekly monitoring, especially early and late in the season.

Appendix A-1. 2014 water quality data for "Approved" and "Non-Approved" sites. Non-Approved sites do not yet meet official VRMP sample location criteria and/or require further inspection and review.

* Sampling depths are only reported for Tier 1 VRMP sites.

** "N" = normal environmental sample ; "D" = field duplicate; "D.O." = dissolved oxygen; "Spec. Cond" = specific conductance; "TSS" = total suspended solids. Refer to Appendix A-2 for observational data and quality assurance/quality control (QA/QC) notes.

				**						**			Total		E Coli	Entero-
				Sample	*			**	**	Spec.		Turb-	Diss.	**	Bacteria	cocci
Organization				Туре	Sample	-	Water Temp		D.O.	Cond.	Salinity	idity	Solids	TSS	(MPN/	(MPN/
Site Code	VRMP Site ID	Date	Time	Qualifier	Depth	Unit	(DEG C)	Sat. (%)	(MG/L)	(US/CM)	(PPTH)	(NTU)	(MG/L)	(MG/L)	100ML)	100ML)
Cold Brook M	hitton Drock Chauhan	- Concernation	ion Commi	acione Anne	and Cit	~~										
Cold Brook, W	/hitten Brook - Skowhega	an Conservat	ion Commi	ssion: App	roved Sit	es										
	COLD BROOK -															
CB3	KWSCB06 - VRMP	6/3/2014	7:55 AM	N			16.1	78.8	7.77							
CDS	COLD BROOK - KWSB06	0/3/2014	7.55 AIVI	IN			10.1	70.0	1.11							
CB3	- VRMP	6/11/2014	7:56 AM	N			14.9	60.1	7.26	229.6						
CDS	COLD BROOK -	0/11/2014	7.50 AIVI				14.5	00.1	7.20	225.0						
CB3	KWSCB06 - VRMP	6/19/2014	7:00 AM	N			16.7	82.5	8.02	106.9						
655	COLD BROOK -	0,10,2014	7.007.001				10.7	02.5	0.02	100.5						
CB3	KWSCB06 - VRMP	6/25/2014	5:42 AM	N			18.6	71.1	6.68	239.6						
	COLD BROOK -															
CB3	KWSCB06 - VRMP	7/4/2014	7:16 AM	Ν			22.7	68.1	5.93	266.4						
	COLD BROOK -															
CB3	KWSCB06 - VRMP	7/9/2014	5:34 AM	Ν			21.4	67.9	6.02	171.9						
	COLD BROOK -															
CB3	KWSCB06 - VRMP	7/9/2014	5:34 AM	D			21.4	68.2	5.94	172.5						
	COLD BROOK -															
CB3	KWSCB06 - VRMP	7/16/2014	7:40 AM	Ν			18.2	83.4	7.82	75						
	COLD BROOK -															
CB3	KWSCB06 - VRMP	7/22/2014	5:39 AM	Ν			19.2	71.3	6.56	205.1						
	COLD BROOK -															
CB3	KWSCB06 - VRMP	8/1/2014	7:20 AM	Ν			17.3	77.5	7.42	148.4						
	COLD BROOK -															
CB3	KWSCB06 - VRMP	8/7/2014	5:46 AM	Ν			19.1	73.7	6.77	243						
	COLD BROOK -															
CB3	KWSCB06 - VRMP	8/16/2014	7:25 AM	Ν			16.2	84.2	8.2	106.1						
	COLD BROOK -	0/46/2044	7 95 444				46.2	02.5	0.10	106.0						
CB3	KWSCB06 - VRMP	8/16/2014	7:25 AM	D			16.2	83.5	8.18	106.3						
602	COLD BROOK -	0/21/2014		N			17.0	72.0	6.04	104.0						
CB3	KWSCB06 - VRMP	8/21/2014	5:57 AM	N			17.6	72.9	6.94	194.8						
(1)	COLD BROOK -	0/21/2014		D			17 5	72.2	C 00	105 7						
CB3	KWSCB06 - VRMP	8/21/2014	5:57 AM	D			17.5	73.3	6.99	195.7						

				**						**			Total		E Coli	Entero-
				Sample	*			**	**	Spec.		Turb-	Diss.	**	Bacteria	cocci
Organization				Туре	Sample	•	Water Temp	D.O.	D.O.		Salinity	idity	Solids	TSS	(MPN/	(MPN/
Site Code	VRMP Site ID	Date	Time	Qualifier	Depth	Unit	(DEG C)	Sat. (%)	(MG/L)	(US/CM)	(PPTH)	(NTU)	(MG/L)	(MG/L)	100ML)	100ML)
	COLD BROOK -															
CB3	KWSCB06 - VRMP	8/28/2014	6:45 AM	Ν			20.8	73.9	6.62	305.5						
	COLD BROOK -			_												
CB3	KWSCB06 - VRMP	8/28/2014	6:45 AM	D			20.7	73.7	6.59	305.8						
	COLD BROOK -															
CB3	KWSCB06 - VRMP	9/4/2014	6:06 AM	Ν			20	68.6	6.18	339.5						
	COLD BROOK -															
CB3	KWSCB06 - VRMP	9/12/2014	7:00 AM	Ν			15	89.8	9.03	421.2						
	COLD BROOK -	0/47/2011					48.5		0.00							
CB3	KWSCB06 - VRMP	9/17/2014	6:28 AM	Ν			12.2	77.4	8.36	421						
	COLD BROOK -	0/47/2011	c 20	5			42.4	77.0	0.00	400						
CB3	KWSCB06 - VRMP	9/17/2014	6:28 AM	D			12.1	77.2	8.28	423						
	COLD BROOK -	40/4/2044		. .					0.64	460.0						
CB3	KWSCB06 - VRMP	10/1/2014	6:38 AM	Ν			14.2	84.2	8.61	468.9						
	COLD BROOK -	C /2 /201 A	0.05.444				16.6	05.5	0.24							
CB2	KWSCB27 - VRMP	6/3/2014	8:05 AM	N			16.6	85.5	8.31							
	COLD BROOK -	C / 1 A / 2 C A A						70.0	7.69							
CB2	KWSCB27 - VRMP	6/11/2014	8:16 AM	N	 	-	16.4	78.6	7.62	243.1						
	COLD BROOK -	c /40 /2014	<i></i>				46.4	00 7	0.00							
CB2	KWSCB27 - VRMP	6/19/2014	6:40 AM	N	 	-	16.4	88.7	8.66	96						
	COLD BROOK -	c /25 /2014					40.4	70.0								
CB2	KWSCB27 - VRMP	6/25/2014	5:55 AM	N	 	-	19.4	79.3	7.35	284.4						
	COLD BROOK -	- / . /						76								
CB2	KWSCB27 - VRMP	7/4/2014	7:27 AM	Ν			24	76	6.34	342.4						
652	COLD BROOK -	7/4/2044	7 77 444	5			24.4	75.0	6.26	242.6						
CB2	KWSCB27 - VRMP	7/4/2014	7:27 AM	D			24.1	75.8	6.36	342.6						
CB2	COLD BROOK -	7/0/2014		N			21.2	07 /	דר ד	105 3						
CB2	KWSCB27 - VRMP COLD BROOK -	7/9/2014	5:54 AIVI	Ν			21.3	82.4	7.27	185.2						
CB2	KWSCB27 - VRMP	7/16/2014	7.22 ^ 4	N			18.1	89.9	8.6	69.3						
CB2	COLD BROOK -	//10/2014	1.22 AIVI	IN	<u> </u>		10.1	03.3	0.0	09.3						
CB2	KWSCB27 - VRMP	7/16/2014	7.22 ^ 4	D			18.1	90.1	8.58	69.4						
CDZ	COLD BROOK -	//10/2014	7.ZZ AIVI	U	}		10.1	90.1	0.30	09.4						
CB2	KWSCB27 - VRMP	7/22/2014	5.56 414	N			19.7	85.2	7.72	240						
CDZ	COLD BROOK -	//22/2014	5.50 AIVI	iN	<u> </u>		19.7	05.2	1.12	240						
CB2	KWSCB27 - VRMP	8/1/2014	7:28 AM	N			17.2	85.3	8.22	167.4						
CDZ	COLD BROOK -	0/1/2014	7.20 AIVI	iN	<u> </u>		11.2	00.5	0.22	107.4						
CB2		0/1/2014	7.20 ^ 4	D			17 1	05.7	07	167.6						
CB2	KWSCB27 - VRMP	8/1/2014	7:28 AIVI	U			17.1	85.2	8.2	167.6						

				**				**		**			Total		E Coli	Entero-
Organization				Sample	* Sample	Depth	Water Temp	** D.O.	** D.O.	Spec. Cond.	Salinity	Turb- idity	Diss. Solids	** TSS	Bacteria (MPN/	cocci (MPN/
Site Code	VRMP Site ID	Date	Time	Type Qualifier	Depth	Unit	(DEG C)	D.O. Sat. (%)	(MG/L)	(US/CM)		(NTU)	(MG/L)	(MG/L)	(MPN/ 100ML)	(IVIPIN/ 100ML)
Site coue	COLD BROOK -	Dute	mile	Quanner	Deptil	onic		541. (70)		(03/ 011)	(1111)	(110)	(1010/2)	(1110/2)	1001112/	1001012/
CB2	KWSCB27 - VRMP	8/7/2014	5:59 AM	N			19	80.6	7.36	314						
	COLD BROOK -															
CB2	KWSCB27 - VRMP	8/16/2014	7:12 AM	N			16.1	88.6	8.74	94.4						
	COLD BROOK -	-, -, -		-					-							
CB2	KWSCB27 - VRMP	8/21/2014	6:12 AM	Ν			17.8	86.1	8.11	199.5						
	COLD BROOK -															
CB2	KWSCB27 - VRMP	8/28/2014	6:40 AM	Ν			21.4	79.7	7.08	379.6						
	COLD BROOK -															
CB2	KWSCB27 - VRMP	9/4/2014	6:18 AM	Ν			19.8	68.5	6.16	550						
	COLD BROOK -															
CB2	KWSCB27 - VRMP	9/12/2014	7:10 AM	Ν			15.9	77.4	7.63	583						
	COLD BROOK -															
CB2	KWSCB27 - VRMP	9/17/2014	6:46 AM	Ν			12.6	71.5	7.55	586						
	COLD BROOK -															
CB2	KWSCB27 - VRMP	10/1/2014	6:51 AM	Ν			14.6	75.5	7.62	803						
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	6/3/2014	8:30 AM	Ν			11.8	88.5	9.51							
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	6/11/2014	8:41 AM	Ν			11	80.6	8.87	252.1						
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	6/19/2014	6:25 AM	N			13.3	83.2	8.73	197.5						
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	6/25/2014	6:15 AM	N			13.2	89.1	9.34	251.3						
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	7/4/2014	7:55 AM	N			15.3	88.7	8.89	220.5						
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	7/9/2014	6:13 AM	N			15.2	85.3	8.53	244.8						
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	7/16/2014	7:10 AM	N			14.9	80.2	8.28	460.3						
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	7/22/2014	6:14 AM	N			14	87.4	8.98	202.9						
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	8/1/2014	7:45 AM	N			13.7	83.1	8.6	196.8						
	WHITTEN BROOK -	o /= /														
WB2	KWB05 - VRMP	8/7/2014	6:16 AM	N			13.5	91.6	9.47	253						
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	8/16/2014	7:48 AM	N			13.3	83.3	8.72	180.9						

				**						**			Total		E Coli	Entero-
				Sample	*			**	**	Spec.		Turb-	Diss.	**	Bacteria	cocci
Organization				Туре	Sample	Depth	Water Temp	D.O.	D.O.	Cond.	Salinity	idity	Solids	TSS	(MPN/	(MPN/
Site Code	VRMP Site ID	Date	Time	Qualifier	Depth	Unit	(DEG C)	Sat. (%)	(MG/L)	(US/CM)	(PPTH)	(NTU)	(MG/L)	(MG/L)	100ML)	100ML)
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	8/21/2014	6:29 AM	N			13.4	83.1	8.69	253.9						
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	8/28/2014	7:14 AM	N			14.6	85.9	8.7	233						
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	9/4/2014	6:37 AM	N			13.8	83.2	8.55	277.1						
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	9/12/2014	7:19 AM	N			11.6	89.7	9.79	229.9						
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	9/17/2014	7:03 AM	N			10	87.8	9.76	264						
	WHITTEN BROOK -															
WB2	KWB05 - VRMP	10/1/2014	7:09 AM	N			11.6	94.8	10.27	248.4						
	WHITTEN BROOK -															
	NORTH BRANCH -															
WB3	KWBNB02 - VRMP	6/3/2014	8:25 AM	N			11.8	84.8	9.21							
	WHITTEN BROOK -															
	NORTH BRANCH -															
WB3	KWBNB02 - VRMP	6/11/2014	8:48 AM	N			11.5	77.1	8.43	646						
	WHITTEN BROOK -															
	NORTH BRANCH -															
WB3	KWBNB02 - VRMP	6/19/2014	6:20 AM	N		-	12.9	80.4	8.51	525						
	WHITTEN BROOK -															
	NORTH BRANCH -	C /25 /2011	C 24 414				42.0	70.0	0.20	642						
WB3	KWBNB02 - VRMP	6/25/2014	6:24 AIVI	N			12.8	79.3	8.38	642						
	WHITTEN BROOK - NORTH BRANCH -															
WB3	KWBNB02 - VRMP	7/4/2014	7.50 414	N			15.7	82.1	8.02	500						
VV D3	WHITTEN BROOK -	7/4/2014	7.50 AIVI	IN			13.7	02.1	0.02	500						
	NORTH BRANCH -															
WB3	KWBNB02 - VRMP	7/9/2014	6·24 AM	N			14	74.3	7.82	610						
	WHITTEN BROOK -	77572014		14			17	, 4.5	7.02	010						
	NORTH BRANCH -															
WB3	KWBNB02 - VRMP	7/16/2014	7:08 AM	N			14.5	80.6	8.15	164.4						
	WHITTEN BROOK -	,,10,2014	7.007.001				1.5	00.0	0.15	107.7						
	NORTH BRANCH -															
WB3	KWBNB02 - VRMP	7/22/2014	6:24 AM	N			12.6	80.5	8.62	617						
	WHITTEN BROOK -	,,_01														
	NORTH BRANCH -															
WB3	KWBNB02 - VRMP	8/1/2014	7:40 AM	N			13.6	84	8.69	488.8						
	tten Brook - Skowhegan Co				1	I	-0.0	~ ·	0.05		l	I	I			

				**						**			Total		E Coli	Entero-
				Sample	*			**	**	Spec.		Turb-	Diss.	**	Bacteria	cocci
Organization				Туре	Sample		Water Temp	D.O.	D.O.	Cond.	Salinity	idity	Solids	TSS	(MPN/	(MPN/
Site Code	VRMP Site ID	Date	Time	Qualifier	Depth	Unit	(DEG C)	Sat. (%)	(MG/L)	(US/CM)	(PPTH)	(NTU)	(MG/L)	(MG/L)	100ML)	100ML)
	WHITTEN BROOK -															
	NORTH BRANCH -															
WB3	KWBNB02 - VRMP	8/7/2014	6:24 AM	N			12.2	90.4	9.67	591						
	WHITTEN BROOK -															
	NORTH BRANCH -															
WB3	KWBNB02 - VRMP	8/16/2014	7:45 AM	Ν			13.3	85.5	9	490.8						
	WHITTEN BROOK -															
	NORTH BRANCH -															
WB3	KWBNB02 - VRMP	8/21/2014	6:38 AM	N			12.3	81.7	8.7	608						
	WHITTEN BROOK -															
	NORTH BRANCH -															
WB3	KWBNB02 - VRMP	8/28/2014	7:10 AM	Ν			14.1	84.7	8.74	491.3						
	WHITTEN BROOK -															
	NORTH BRANCH -															
WB3	KWBNB02 - VRMP	9/4/2014	6:46 AM	Ν			12.3	83.9	8.89	620						
	WHITTEN BROOK -															
	NORTH BRANCH -															
WB3	KWBNB02 - VRMP	9/12/2014	7:16 AM	Ν			11.6	96.3	10.47	514						
	WHITTEN BROOK -															
	NORTH BRANCH -															
WB3	KWBNB02 - VRMP	9/17/2014	7:12 AM	Ν			9.3	89.2	10.11	617						
	WHITTEN BROOK -															
	NORTH BRANCH -															
WB3	KWBNB02 - VRMP	10/1/2014	7:17 AM	Ν			11.5	94.3	10.24	631						
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	6/3/2014	8:20 AM	Ν			12.3	89.1	9.54							
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	6/11/2014	8:29 AM	Ν			11.2	76.1	8.61	163.4						
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	6/19/2014	6:16 AM	Ν			13.5	81	8.47	126.2						
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	6/25/2014	6:08 AM	N			13.4	92.3	9.63	164.1						
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	7/4/2014	7:45 AM	N			15.4	89.9	8.85	164.7						
	WHITTEN BROOK -	,,,,,,,,														
WB1	KWB06 - VRMP	7/9/2014	6:08 AM	N			15.3	85.7	8.73	161.7						
	WHITTEN BROOK -	, , ,														
WB1	KWB06 - VRMP	7/16/2014	7:05 AM	N			15.1	78.8	7.95	115						
AADT	KWBOO - VINVIF	7/10/2014	7.05 AN	IN			13.1	70.0	1.95	115						

				**						**			Total		E Coli	Entero-
				Sample	*			**	**	Spec.		Turb-	Diss.	**	Bacteria	cocci
Organization				Туре	Sample	Depth	Water Temp	D.O.	D.O.	Cond.	Salinity	idity	Solids	TSS	(MPN/	(MPN/
Site Code	VRMP Site ID	Date	Time	Qualifier	Depth	Unit	(DEG C)	Sat. (%)	(MG/L)	(US/CM)	(PPTH)	(NTU)	(MG/L)	(MG/L)	100ML)	100ML)
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	7/22/2014	6:06 AM	Ν			14.3	84.9	8.98	176.4						
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	8/1/2014	7:35 AM	Ν			13.7	81.7	8.47	151.6						
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	8/7/2014	6:10 AM	Ν			13.7	89.6	9.21	172						
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	8/16/2014	7:42 AM	Ν			13.4	78.5	8.25	132.2						
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	8/21/2014	6:24 AM	Ν			13.6	83	8.6	134.2						
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	8/28/2014	7:05 AM	Ν			14.9	88.4	8.9	186.5						
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	9/4/2014	6:30 AM	Ν			14	81.5	8.33	205.8						
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	9/12/2014	7:22 AM	Ν			11.6	85.2	9.29	182.3						
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	9/12/2014	7:22 AM	D			11.5	84.7	9.22	182.5						
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	9/17/2014	6:56 AM	Ν			9.9	85.7	9.61	192						
	WHITTEN BROOK -															
WB1	KWB06 - VRMP	10/1/2014	7:04 AM	Ν			11.5	94.1	10.23	194.4						
	WHITTEN STREAM -															
WB4	KWB01 - VRMP	6/3/2014	8:35 AM	Ν			12.3	93.9	10.04							
	WHITTEN STREAM -															
WB4	KWB01 - VRMP	6/19/2014	6:10 AM	Ν			13.8	90.3	9.5	220.2						
	WHITTEN STREAM -															
WB4	KWB01 - VRMP	6/25/2014	6:36 AM	Ν			13.7	93.2	9.7	265.8						
	WHITTEN STREAM -															
WB4	KWB01 - VRMP	7/4/2014	7:40 AM	Ν			16.4	92.2	8.95	242						
	WHITTEN STREAM -															
WB4	KWB01 - VRMP	7/9/2014	6:40 AM	Ν			15.7	90.9	9.01	258.6						
	WHITTEN STREAM -	- 4 4							_							
WB4	KWB01 - VRMP	7/16/2014	7:00 AM	Ν			15.4	92.1	9.11	198.2						
	WHITTEN STREAM -								_							
WB4	KWB01 - VRMP	7/22/2014	6:40 AM	Ν			14.5	92.5	9.49	268.7						
	WHITTEN STREAM -	- 4 - 4							_							
WB4	KWB01 - VRMP	8/1/2014	7:48 AM	Ν			14.1	87.9	9.16	226.7						

				**						**			Total		E Coli	Entero-
				Sample	*			**	**	Spec.		Turb-	Diss.	**	Bacteria	cocci
Organization				Туре	Sample	Depth	Water Temp	D.O.	D.O.	Cond.	Salinity	idity	Solids	TSS	(MPN/	(MPN/
Site Code	VRMP Site ID	Date	Time	Qualifier	Depth	Unit	(DEG C)	Sat. (%)	(MG/L)	(US/CM)	(PPTH)	(NTU)	(MG/L)	(MG/L)	100ML)	100ML)
	WHITTEN STREAM -															
WB4	KWB01 - VRMP	8/7/2014	6:35 AM	Ν			13.8	99.7	10.38	258						
	WHITTEN STREAM -															
WB4	KWB01 - VRMP	8/16/2014	7:55 AM	Ν				93.8	9.68	224.3						
	WHITTEN STREAM -															
WB4	KWB01 - VRMP	8/21/2014	6:50 AM	Ν			13.9	88.7	9.16	269						
	WHITTEN STREAM -															
WB4	KWB01 - VRMP	8/28/2014	7:20 AM	Ν			15.2	88.8	8.87	274.6						
	WHITTEN STREAM -															
WB4	KWB01 - VRMP	9/4/2014	6:57 AM	Ν			14.1	91.4	9.36	258.8						
	WHITTEN STREAM -															
WB4	KWB01 - VRMP	9/12/2014	7:36 AM	Ν			11.8	94.5	10.35	252.1						
	WHITTEN STREAM -															
WB4	KWB01 - VRMP	9/17/2014	7:25 AM	Ν			9.9	96.7	10.88	257						
	WHITTEN STREAM -															
WB4	KWB01 - VRMP	10/1/2014	7:29 AM	Ν			11.8	93.9	10.18	200.5						

Maine Department of Environmental Protection

Refer to Appendix A-1 for water quality data

Where Rook-Bowhead Conversion Conversion Monte Rook-Bowhead Co	Organiza tion Site Code	VRMP Site ID	Date	Time	** Sample Type Qualifier	Flow	Stage	Air Temp (°C)	Sample Location	Current Weather	Air Condition	Past 24HR Weather	Habitat	Water Appearance	Comments
COLD BIOCK-WISCOB COLD BIOCK-WISCOB COLD BIOCK-WISCOB COLD BIOCK-WISCOB COLD BIOCK-WISCOB NOH-WASCABL/AND-GOTTH COLD BIOCK-WISCOB 6/3/2014 2.55 AM N ASKTOW MEDIUM 318 CULVET CLEAR OLUM BUIL WISGWIN NOH-WASCABL/AND-OFTH COLD BIOCK-WISCOB 0/3/2014 2.50 AM N ASKTOW MEDIUM 516 CULVET CLEAR CALM CALMAR NOH-WASCABL/AND-OFTH COLD BIOCK-WISCOB 6/2/2014 5.42 AM N ASKTOW MEDIUM S16 CULVET CLEAR CALM RUN STARES NOH-WASCABL/AND-OFTH COLD BIOCK-WISCOB 6/2/2014 5.42 AM N ASKTOW MEDIUM CLUVET S0/WES CALM RUN STARES NOH-WASCABL/AND-OFTH COLD BIOCK-WISCOB 7/2/2014 7.38 AM N ASKTOW MEDIUM SCULVET CLUVET CLUVET<	\A/hitton	hitten Brook - Skowhegan Conservation Commission - Approved Sites:													
VMP 6/J2014 7.55 /M N bisStr.DW MIDUM 8.8 CULVERT CLAR CALM CLCAR FURID MolewabGagGMed-DEPTH CDU BROK WACDDS 6/11/2014 7.35 /M N bisStr.DW MIDUM CLUVERT CLAR CALM COUD BURK MIDUM MolewabGagGMed-DEPTH CDU BROK WACDDS 6/11/2014 7.26 /AM N BASTLOW MIDUM LGU VIERT CLUVERT CLUVER CLUVERT CLUVERT BURK MIDUM MOLWABGAGGMed-DEPTH COL BROK WACDDS 6/25/2014 542 /AM N BSSTLOW MIDUM CLUVERT CLUVERT CLUVERT CLUVERT SIGNERS SIGNERS NRN SIGNERS NRN MIDUM NRN SIGNERS	wintten	BIOOK - SKOWIIEgall Collsel	vacion commis	sion - Approved Si	tes.			1			1			1	
VMM 6/3/2014 755.AM N DeST(DW MIDUM 8.8 CULVERT CLAR CALM CLCAR RUN DeW-WADEQUE/MO-DEPTH CDL BMOX FWXCDS 6/11/2014 7.56.AM N BUST(DW MIDUM CLUVERT CLAR CALM COUDY BURK MIDUM AMM-WADEQUE/MO-DEPTH CDL BMOX FWXCDS 6/11/2014 7.26.AM N BAST(DW MIDUM 16.1 CLUVERT CLUVERT CLUVERT CLUVERT BURK MIDUM MIDUM MIDUM 16.1 CLUVERT CULVERT CULVERT CULVERT SUMOVES CLUVERT BURK MIDUM MIDUM </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								1							
COL BROCK - WECKS MEDUAL DiSTLOW MEDUAL CULVET CLAR			6/3/2014	7:55 AM	Ν	BASEELOW/	MEDILIM	18.8	CLILVERT	CLEAR	CALM	CLEAR	RUN	TURBID	NON-WADEABLE/MID-DEPTH
VMP 6/11/2014 2-56 AM N BASER_OW MEDUM CLUVERT CLR CALM COLOUTY BURK NON-WASEABLE/MO-DEPTH COD BIOKS - NANCOS 6/15/2014 7.00 AM N BASER_DW HIGH CLUVERT CLR CALM BURKT DAWNON DAWNON <td< td=""><td></td><td></td><td>0/3/2014</td><td>7.55740</td><td></td><td>B/ ISEI LOW</td><td>MEDION</td><td>10.0</td><td>COLVENI</td><td>CLEAR</td><td>CALIN</td><td>CLEAN</td><td>non</td><td></td><td></td></td<>			0/3/2014	7.55740		B/ ISEI LOW	MEDION	10.0	COLVENI	CLEAR	CALIN	CLEAN	non		
COLD BROX: -WX0206 F(1/2014) ZODAN N RASKHOW FL CULWERT CLAR CLUWERT CLAR CLUWERT DARKLY DARKLY COLD BROX: -WX0206			6/11/2014	7:56 AM	Ν	BASEELOW/	MEDILIM		CLILVERT	CLEAR	CALM		RUN		NON-WADEABLE/MID-DEPTH
VIRP 6/19/2014 7.80 AM N BASETLOW MERIUM SLOUPERT CLAR CALM PAIL TARKED NON-WADERARL/MOD_DEPTH CDD BROOK - MSXC056 6/23/2014 6.42 AM N BASETLOW HIGH CULVERT SHOWES CLAIM PAIL STARKED NON-WADERARL/MOD_DEPTH CDD BROOK - MSXC056 7/4/2014 2.16 AM N BASETLOW MEDIUM ISCULVERT SHOWES CLAIM SHOWES RUN STARKED NON-WADERARL/MID_DEPTH CDD BROOK - MSXC056 7/4/2014 2.36 AM N BASETLOW MEDIUM IS-4 CULVERT CLOUPT CLUVERT CLOUPT RUN STARKED NON-WADERARL/MID_DEPTH CDD BROOK - MSXC056 7/2/2014 5:38 AM D C CLUVERT CLOUPT CLUVERT CLOUPT RUN STARKED NON-WADERARL/MID_DEPTH CDD BROOK - MSXC056 7/2/2014 7:20 AM N STORMFLOW HER AS CULVERT CLAIM CLAIM STARKED NON-WADERARL/MID_DEPTH			0/11/2014	7.507.00		DAGETEOW	MEDIONI		COLVENI	CLEAN	CALINI		non		NON WROERDEENING DEI III
COLD BROOK - KWSCOBE VIAP 5/25/2014 5.42 AM N BASETCOV HIGH CULVERT SHOWERS CALM PARTY CUDUY FUN MODIM COLD BROOK - KWSCOBE VIAP 7/4/2014 7.16 AM N BASETCOV MEDIUM CLUVERT SHOWERS CALM PARTY CUDUY RUN MARDIM COLD BROOK - KWSCOBE VIAP 7/4/2014 5.34 AM N BASETCOV MEDIUM 19.44 CLUVERT SHOWERS CALM PARTY CUDUY RUN MARDIM NON-WARABLE/MID-DEPTH COLD BROOK - KWSCOBE VIAP 7/16/2014 5.34 AM D STORMINGW MEDIUM 19.44 CULVERT CULVERT CALM PARTY CUDUY RUN STARED NON-WARABLE/MID DEPTH COLD BROOK - KWSCOBE VIAP 7/16/2014 7.36 AM N BASETCOW HIGH 8.8 CULVERT CLUVERT CLAM PARTY CUDUY RUN NON-WARABLE/MID DEPTH COLD BROOK - KWSCOBE VIAP 7/16/2014 7.36 AM N BASETCOW MEDIUM 14.44 CULVERT CLAM			6/19/2014	7:00 AM	N	BASEFLOW	MEDIUM	16.1	CULVERT	CLEAR	CALM	-	RUN		NON-WADEABLE/MID-DEPTH
VRNP 6/25/2014 5-42 AM N BASETLOW HIGH CULVERT SHOWERS CALM PARTY CLOUPY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCOB - CULUR RD - CULVERT 7/4/2014 7.36 AM N BASETLOW MEDIUM CULVERT SHOWERS CALM BAVEYS MMRP COLD BROOK - KWSCOB - CULUR RD - KWSCOB 7/4/2014 5.34 AM N BASETLOW MEDIUM CULVERT CLOUPY CALM PARTY CLOUPY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCOB 7/4/2014 5.34 AM N BASETLOW MEDIUM 19.44 CULVERT CLOUPY CALM PARTY CLOUPY RUN MCDIAN COLD BROOK - KWSCOB 7/4/2014 5.34 AM N BASETLOW MEDIUM 13.4 CULVERT CLOUPY CLUW DARKY NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCOB 7/4/2014 5.38 AM N BASETLOW MEDIUM 14.4 CULVERT CLAM PARTY CLOUPY RUN STAINED <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>															
COLD BROOK: KWSC06 WRAP 7/4/2014 7:35.AM N BASEFOW MEDIUM CULVERT CLOUDY, SHOWERS CALM DARKY STANED NON-WADEARE/MID DEPTH COLD BROOK: KWSC06 WRAP 7/9/2014 5:34.AM N BASEFOW MEDIUM 13.44 CULVERT CALM PARTY CLOUP NUM STANED NON-WADEARE/MID DEPTH COLD BROOK: KWSC06 VRAP 7/9/2014 5:34.AM D CULVERT CULVERT CULVERT CULVERT CULVERT NON-WADEARE/MID DEPTH COLD BROOK: KWSC06 VRAP 7/72/2014 5:34.AM D STANED NON-WADEARE/MID DEPTH COLD BROOK: KWSC06 VRAP 7/72/2014 5:34.AM N BASEFLOW MEDIUM 14.44 CULVERT CLAM FAMEY NON-WADEARE/MID DEPTH COLD BROOK: KWSC06 VRAP 7/72/2014 5:36.AM N BASEFLOW MEDIUM 14.44 CULVERT CLAM FAMEY DOWK NON-WADEARE/MID DEPTH COLD BROOK: KWSC06 VRAP 7/72/2014 5:46.AM N BASEFLOW MEDIUM L1.11 CULVERT CLAM			6/25/2014	5:42 AM	N	BASEFLOW	HIGH		CULVERT	SHOWERS	CALM	PARTLY CLOUDY	RUN		NON-WADEABLE/MID-DEPTH
Image Triand N Pastrow MERUM CULVERT SHOVESS RUM SHOVESS RUM <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>															
CILD BROXE - MXCODE MEDIUM SAAM N BASFLOW MEDIUM 15.44 CLUVRT CLOUP CALM PARTY CLOUP MEDIUM MONI- WADEABLE/MID-DEPTH COLD BROXE - MXCODE 7/9/2014 S.34 AM D CULVRT CLOUP ALM PARTY CLOUP NON-WADEABLE/MID-DEPTH CULD BROXE - MXCODE 7/9/2014 S.34 AM D CULVRT CLOUP ALM PARTY CLOUP DARLY NON-WADEABLE/MID-DEPTH CULD BROXE - MXCODE 7/10/2014 7.40 AM N STORMFLOW HIGH B.3 CLUVRT CLOUP CLUR AROUNC RUN STAINED NON-WADEABLE/MID-DEPTH CUD BROXE - MXCODE 7/22/2014 S.39 AM N BASFLOW MEDIUM CLURRT CLAR CALM PARTY CLOUP RUN STAINED NON-WADEABLE/MID-DEPTH CUD BROXE - MXCODE 7/22/2014 S.39 AM N BASFLOW MEDIUM CLURRT CLAR CALM STAINED NON-WADEABLE/MID-DEPTH CUD BROXE - MXCODE 7/22/2014 S.46 AM BASF		COLD BROOK - KWSCD06 -								CLOUDY,		CLOUDY,		DARKLY	
VMME 7/9/2014 5.34 AM N BASERLOW MEDIUM 15.44 CULVRIT CLUB PARTY CLOUDY RUN STAINED NON-WADDRALE/MID-DPTH CLD BROK - WX5DD6 7/9/2014 5.34 AM D C CULVRIT C HEAVY RAIN DARKY NON-WADDRALE/MID-DPTH CLD BROK - WX5DD6 7/16/2014 7.40 AM N STORFLOW HIGH 18.3 CULVRIT CLQ BROK - WX5DD6 MEDIUM CLD BROK - WX5DD6 MEDIUM NON-WADDRALE/MID-DPTH CLD BROK - WX5DD6 7/16/2014 5.39 AM N BASERLOW MEDIUM 14.44 CULVRIT CLD BROK - WX5DD6 MEDIUM NON-WADDRALE/MID-DPTH CLD BROK - WX5DD6 8/1/2014 7.20 AM N BASERLOW MEDIUM 11.11 CULVRIT CLD BROK - SW3DD6 BATTY CLOUP BARTY STAINED NON-WADDRALE/MID-DPTH CDD BROK - WX5DD6 8/1/2014 5.46 AM N BASERLOW MEDIUM 11.11 CULVRIT CLBA CALM STAINED NON-WADDRALE/MID-DPTH CDD BROK - WX5DD		VRMP	7/4/2014	7:16 AM	N	BASEFLOW	MEDIUM		CULVERT	SHOWERS	CALM	SHOWERS	RUN	STAINED	NON-WADEABLE/MID-DEPTH
COLD BROOK - MXX0050 COLUMPT COLUMPT COLUMPT NON-WADEABLE/MID-DEPTH COLD BROOK - MXX0050 7.40 AM N STORMFLOW HIGH 18.3 CULVERT HAVY RAIN, COLUMP 201/F DARKLY NON-WADEABLE/MID-DEPTH COLD BROOK - MXX0050 7.272/D14 5:39 AM N BASERLOW HIGH 18.3 CULVERT CLIAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - MXX0050 7/27/D14 5:39 AM N BASERLOW MEDIUM 14.44 CLIAR CLIAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - MXX00506 7/27/D14 5:46 AM N BASERLOW MEDIUM 11.11 CLUVERT CLEAR CALM STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - MXX00506 87/16/2014 7:25 AM N STORMFLOW HEAVY CLUVERT CLEAR CALM STORMFLOW DARKY NON-WADEABLE/MID-DEPTH COLD BROOK - MXX00506 87/16/2014 7:25 AM N STORMFLOW HEAVY CLUVERT CLEAR		COLD BROOK - KWSCD06 -												MEDIUM	
VIMP 7///2014 5:34 AM D Cold BR05 MOSTU MOSTU MASTU MOSTU MASTU MOSTU MASTU MOSTU MASTU		VRMP	7/9/2014	5:34 AM	N	BASEFLOW	MEDIUM	19.44	CULVERT	CLOUDY	CALM	PARTLY CLOUDY	RUN	STAINED	NON-WADEABLE/MID-DEPTH
COLD BROOK - WKXPCD06 T/6/2014 7.40 AM N STORM/LOW HIGH 18.3 CULVER MOSTLY MILL DARKY COLD BROOK - WKXPC06 5.39 AM N BASEFLOW HIGH 18.4 CULVERT CLAM PARTLY CLOUDY N MON-WADEABLE/MID-DEPTH COLD BROOK - WKXPC06 7.20 AM N BASEFLOW MEDIUM CULVERT CLEAR RUN DARKY NON-WADEABLE/MID-DEPTH COLD BROOK - WKXPC06 7.20 AM N BASEFLOW MEDIUM 11.11 CULVERT CLEAR RUN DARKY NON-WADEABLE/MID-DEPTH CULB BROOK - WKXP066 7.00 AM SASEFLOW MEDIUM 11.11 CULVERT CLEAR CALM SHOWERS RUN STAINED NON-WADEABLE/MID-DEPTH CULB BROOK - WKXP066 7.20 AM N STORMFLOW MIDUM 15.56 CULVERT CLEAR CALM SHOWERS RUN STAINED NON-WADEABLE/MID-DEPTH CULB BROOK - WKXP066 8/1/2014 5.57 AM D CULVERT CLEAR		COLD BROOK - KWSCD06 -													
VRMP 7/16/2014 7/40.4M N STORMFLOW HIGH 13.3 CULVERT CLOUPY CALM PARTLY CLOUDY RUN STAINED NON-WADEABL/MID-DEPTH COLD BOOK - MXXCODE 7/22/2014 5:39.4M N BASEFLOW MEDIUM 14.44 CULVERT CLEAR RUN STAINED NON-WADEABL//MID-DEPTH COLD BOOK - MXXCODE 7/22/2014 7:20.4M N BASEFLOW MEDIUM CULVERT CLEAR CALM STAINED NON-WADEABL//MID-DEPTH COLD BOOK - MXXCODE 7/20.44 5:46.4M N BASEFLOW MEDIUM 11.1 CULVERT CLEAR CALM STAINED NON-WADEABL//MID-DEPTH COLD BOOK - MXXCODE 7/20.44 5:46.4M N BASEFLOW MEDIUM 15.56 CULVERT CLAR CALM STAINED NON-WADEABL//MID-DEPTH COLD BOOK - MXXCODE 7/20.44 7:25.4M D CLUVERT CLAR CALM STAINED NON-WADEABL//MID-DEPTH COLD BOOK - MXXCODE 7/20.44 5:57.3M <		VRMP	7/9/2014	5:34 AM	D				CULVERT						NON-WADEABLE/MID-DEPTH
COLD BROOK - NWSCD6 COLD BROOK - NWSCD6 N BASEFLOW MEDIUN 14.44 CULVERT CLEAR CALM CLEAR RUM STAINED COLD BROOK - NWSCD6 7/22/201 7.20 AM N BASEFLOW MEDIUM CULVERT CLEAR CALM STAINED NON-WADEABL//MD-DEPTH COLD BROOK - NWSCD6 9/1/2014 5.46 AM N BASEFLOW MEDIUM 11.11 CULVERT CLEAR CALM SHOWERS RUN STAINED NON-WADEABL//MD-DEPTH VIMAP 8/1/2014 7.25 AM N BASEFLOW MEDIUM 15.56 CULVERT CLEAR CALM SHOWERS RUN STAINED NON-WADEABLE/MD-DEPTH VIMAP 8/16/2014 7.25 AM D C CULVERT CLEAR CALM SHOWERS RUN STAINED NON-WADEABLE/MD-DEPTH VIMAP 8/16/2014 7.25 AM D C CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MD-DEPTH COLD BROOK - NWSCD6 <td></td> <td>COLD BROOK - KWSCD06 -</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>MOSTLY</td> <td></td> <td>HEAVY RAIN,</td> <td></td> <td>DARKLY</td> <td></td>		COLD BROOK - KWSCD06 -								MOSTLY		HEAVY RAIN,		DARKLY	
VRMP 7/2/2014 539.M N BASEFLOW MDIUM 14.4 CULPERT CLEAR RUN STANED NON-WADEABE/(MID-DEPTH COLD BROK - KWSCOG6 8/1/2014 7.20 M N BASEFLOW MEDIUM CULVERT CLEAR CALM SHOWERS RUN STANED NON-WADEABE/(MID-DEPTH COLD BROK - KWSCOG6 7/2014 5.46 AM N BASEFLOW MEDIUM 11.11 CULVERT CLEAR CALM SHOWERS RUN STAINED NON-WADEABE//MID-DEPTH COLD BROK - KWSCOD6 8/16/2014 7.25 AM N STORMFLOW MEDIUM 15.56 CULVERT CLOUP PARTY CLOUPY PARTY NON-WADEABE//MID-DEPTH COLD BROK - KWSCOD6 8/16/2014 7.25 AM D CULVERT CLOUP CALW SHOWERS RUN STAINED NON-WADEABE//MID-DEPTH COLD BROK - KWSCOD6 8/16/2014 7.25 AM D CULVERT CLAR CALW CLEAR RUN STAINED NON-WADEABE//MID-DEPTH COLD BROK - KWSCOD6 <td></td> <td>VRMP</td> <td>7/16/2014</td> <td>7:40 AM</td> <td>N</td> <td>STORMFLOW</td> <td>HIGH</td> <td>18.3</td> <td>CULVERT</td> <td>CLOUDY</td> <td>CALM</td> <td>PARTLY CLOUDY</td> <td>RUN</td> <td>STAINED</td> <td>NON-WADEABLE/MID-DEPTH</td>		VRMP	7/16/2014	7:40 AM	N	STORMFLOW	HIGH	18.3	CULVERT	CLOUDY	CALM	PARTLY CLOUDY	RUN	STAINED	NON-WADEABLE/MID-DEPTH
COLD BROXE, FWXCD06 S/1/2014 7.20 AM N BASEFLOW MEDIUM CULVERT CLEAR CAUM DARKLY DARKLY VEMPE S/1/2014 5:46 AM N BASEFLOW MEDIUM CULVERT CLEAR CAUM SHOWERS RUN STAINED DARKLY VEMPE S/1/2014 5:46 AM N BASEFLOW MEDIUM 11.11 CULVERT CLEAR CAUM SHOWERS RUN STAINED DON-WADEABLE/MID-DEPTH VEMPE S/16/2014 7:25 AM N STORMFLOW MEDIUM 15:56 CULVERT CLEAR CAUM STAINED NON-WADEABLE/MID-DEPTH VEMPE S/16/2014 7:25 AM D CULVERT CLEAR CAUM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH VEMPE S/16/2014 7:25 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH VEMPE S/12/2014 5:57 AM D CULVERT CLEAR		COLD BROOK - KWSCD06 -												MEDIUM	
VRMP 8/1/2014 7:20 AM N BASEFLOW MEDIUM CULVERT CLEAR CALM SHOWERS RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCODE VRMP 8/7/2014 5:46 AM N BASEFLOW MEDIUM 11:11 CULVERT CLEAR CALM SHOWERS RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCODE VRMP 8/16/2014 7:25 AM N STORMFLOW MEDIUM 15:56 CULVERT CLOUDY CALM SHOWERS RUN STAINED NON-WADEABLE/MID-DEPTH VRMP 8/16/2014 7:25 AM D CULVERT CLUVERT CLUAR RUN STAINED NON-WADEABLE/MID-DEPTH VRMP 8/16/2014 7:25 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH VRMP 8/16/2014 7:25 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH VRMP 8/12/2014 5:57			7/22/2014	5:39 AM	N	BASEFLOW	MEDIUM	14.44	CULVERT	CLEAR	CALM		RUN		NON-WADEABLE/MID-DEPTH
COLD BROOK - KWSCD06 S46 AM N BASEFLOW MEDIUM 11.11 CULVERT CALM SHOWERS RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 8/16/2014 7.25 AM N STORMFLOW MEDIUM 15.56 CULVERT CLUVERT CLUWERT CLUWERT CLUWERT SHOWERS RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 7.25 AM D CULVERT CLUVERT CLUWERT DARKLY SHOWERS RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 7.25 AM D CULVERT CLURERT CLURERT DARKLY NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 7.25 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 0 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 0 0 17.9 CULVERT CLEAR CALM															
VRMP 8/7/2014 5:46 AM N BASEFLOW MEDIUM 11.11 CULVERT CLAIM SHOWERS RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 7.25 AM N STORMFLOW MEDIUM 15.56 CULVERT CALM SHOWERS RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 YRMP 8/16/2014 7.25 AM D CULVERT CALM SHOWERS RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 YRMP 8/16/2014 5:57 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 YRMP 8/21/2014 5:57 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH VBMP 8/21/2014 6:45 AM N BASEFLOW LOW 17.9 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06<			8/1/2014	7:20 AM	N	BASEFLOW	MEDIUM		CULVERT	CLEAR	CALM	SHOWERS	RUN		NON-WADEABLE/MID-DEPTH
COLD BROK, KWSCD06 C/C MEDIUM 15.56 CULVERT PARTY CLOUPY DARKY COLD BROK, KWSCD06 7.25 AM D CULVERT CLOUPY CALM STAINED NON-WADEABLE/MID-DEPTH COLD BROK, KWSCD06 7.25 AM D CULVERT CULVERT NON-WADEABLE/MID-DEPTH COLD BROK, KWSCD06 7.25 AM D CULVERT CLAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROK, KWSCD06 7.25 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROK, KWSCD06 5:57 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROK, KWSCD06 15:57 AM D CULVERT CULVERT D D NON-WADEABLE/MID-DEPTH COLD BROK, KWSCD06 15:57 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROK, KWSCD06 4:45 AM <															
VRMP 8/16/2014 7.25 AM N STORMFLOW MEDIUM 15.56 CULVERT CLOUDY CALM SHOWERS RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 8/16/2014 7.25 AM D CULVERT CULVERT CLOUVERT CLEAR CALM CLEAR DARKLY NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 8/21/2014 5.57 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 8/21/2014 5.57 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH VRMP 8/21/2014 5.57 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 8/28/2014 6:45 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/4/2014 <td< td=""><td></td><td></td><td>8/7/2014</td><td>5:46 AM</td><td>N</td><td>BASEFLOW</td><td>MEDIUM</td><td>11.11</td><td>CULVERT</td><td></td><td>CALM</td><td></td><td>RUN</td><td></td><td>NON-WADEABLE/MID-DEPTH</td></td<>			8/7/2014	5:46 AM	N	BASEFLOW	MEDIUM	11.11	CULVERT		CALM		RUN		NON-WADEABLE/MID-DEPTH
COLD BROOK - KWSCD06 COLVERT CULVERT CULVERT CULVERT CULVERT CULVERT DARKLY NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 5:57 AM N BASEFLOW MEDIUM CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 8/21/2014 5:57 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 8/28/2014 6:45 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 8/28/2014 6:45 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/4/2014 6:45 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/12/2014 6:06 AM N BASEFLOW LOW 14.44 CULVERT CLEAR CALM <td></td> <td></td> <td>0/10/1001</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			0/10/1001						0.00						
VRMP 8/16/2014 7:25 AM D Culvert Culve			8/16/2014	7:25 AIVI	N	STORIVIFLOW	IVIEDIUIVI	15.56	CULVERI	CLOUDY	CALIVI	SHOWERS	RUN	STAINED	NON-WADEABLE/MID-DEPTH
COLD BROOK - KWSCD6 DARKLY DARKLY DARKLY COLD BROOK - KWSCD6 S:57 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD6 VRMP 8/21/2014 5:57 AM D CULVERT CULVERT D D NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD66 VRMP 8/28/2014 6:45 AM N BASEFLOW LOW 17.9 CULVERT CULVERT DARKLY NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD66 VRMP 8/28/2014 6:45 AM D CULVERT CULVERT DARKLY VRMP 8/28/2014 6:45 AM D CULVERT CULVERT NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD66 VRMP 9/4/2014 6:06 AM N BASEFLOW LOW 14.4 CULVERT CLEAR CALM MEDIUM COLD BROOK - KWSCD66 VRMP 9/12/2014 7:00 AM N BASEFLOW LOW 14.2 CULVERT CLEAR CALM MEDIUM MEDIUM COLD BROOK - KWSCD66 VRMP 9/12/2014			0/10/2014	7.25 414	D				CLUVEDT						
VRMP 8/21/2014 5:57 AM N BASEFLOW MEDIUM CULVERT CLAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 5:57 AM D C CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 5:57 AM D LOW 17.9 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH VRMP 8/28/2014 6:45 AM N BASEFLOW LOW 17.9 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 CULVERT CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 CULVERT CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 CULVERT CLEAR CALM <td></td> <td></td> <td>8/10/2014</td> <td>7.25 AIVI</td> <td>D</td> <td></td> <td></td> <td>1</td> <td>COLVERT</td> <td></td> <td></td> <td></td> <td></td> <td>DARKIV</td> <td>NON-WADEABLE/MID-DEPTH</td>			8/10/2014	7.25 AIVI	D			1	COLVERT					DARKIV	NON-WADEABLE/MID-DEPTH
COLD BROOK - KWSCD06 VRMP 8/21/2014 5:57 AM D CULVERT CULVERT CULVERT D DARKLY COLD BROOK - KWSCD06 VRMP 8/28/2014 6:45 AM N BASEFLOW LOW 17.9 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 6/45 AM D CULVERT CULVERT CLEAR CALM STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 6/42/2014 6:06 AM N BASEFLOW LOW 14.44 CULVERT CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/4/2014 6:06 AM N BASEFLOW LOW 14.24 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/12/2014 7:00 AM N BASEFLOW LOW 14.24 CULVERT CLEAR CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/17/2014 6:28 AM N BASEFLOW MEDIUM S			8/21/2014	5·57 AM	Ν	BASEELOW/	MEDILIM			CLEAR	CALM	CLEAR	RUN		
VRMP 8/21/2014 5:57 AM D C CULVERT C C C NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 8/28/2014 6:45 AM N BASEFLOW LOW 17.9 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 8/28/2014 6:45 AM D C CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/4/2014 6:05 AM N BASEFLOW LOW 14.4 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/4/2014 6:05 AM N BASEFLOW LOW 14.4 CULVERT CLEAR CALM MCEIAR DARKLY NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/17/2014 6:28 AM N BASEFLOW LOW 14.2 CULVERT CLEAR CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH C			0/21/2014	5.57 AW	IN IN	DAJLILOW	WIEDIOW	1	COLVENT	CLEAR	CALIVI	CLEAN	NON	STAINED	
COLD BROOK - KWSCD06 VRMP 8/28/2014 6:45 AM N BASEFLOW LOW 17.9 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 8/28/2014 6:45 AM D CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/4/2014 6:06 AM N BASEFLOW LOW 14.44 CULVERT CLEAR CALM MEDIUM MEDIUM COLD BROOK - KWSCD06 VRMP 9/4/2014 6:06 AM N BASEFLOW LOW 14.44 CULVERT CLEAR CALM MEDIUM MEDIUM NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 9/12/2014 7:00 AM N BASEFLOW LOW 14.42 CULVERT CLEAR CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/17/2014 6:28 AM N BASEFLOW MEDIUM 5 CULVERT FOGGY CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROO			8/21/2014	5.57 AM	D				CULVERT						NON-WADEABLE/MID-DEPTH
VRMP 8/28/2014 6:45 AM N BASEFLOW LOW 17.9 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 8/28/2014 6:45 AM D			0/21/2011	0.077.00					0027211					DARKLY	
COLD BROOK - KWSCD06 VRMP 8/28/2014 6:45 AM D D CULVERT CULVERT CULVERT MEDIUM MON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/4/2014 6:06 AM N BASEFLOW LOW 14.44 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/12/2014 7:00 AM N BASEFLOW LOW 14.24 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/12/2014 7:00 AM N BASEFLOW LOW 14.2 CULVERT CLEAR CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/17/2014 6:28 AM N BASEFLOW MEDIUM 5 CULVERT FOGGY CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/17/2014 6:28 AM D CULVERT CULVERT FOGGY CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH			8/28/2014	6:45 AM	N	BASEFLOW	LOW	17.9	CULVERT	CLEAR	CALM	CLEAR	RUN		NON-WADEABLE/MID-DEPTH
COLD BROOK - KWSCD06 OV OV LOW 14.44 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/12/2014 7:00 AM N BASEFLOW LOW 14.2 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/17/2014 6:28 AM N BASEFLOW MEDIUM 5 CULVERT FOGGY CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/17/2014 6:28 AM N BASEFLOW MEDIUM 5 CULVERT FOGGY CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/17/2014 6:28 AM D CULVERT CULVERT CLOUVERT NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 10/1/2014 6:38 AM N BASEFLOW MEDIUM 12.22 CULVERT CLOUDY CALM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH </td <td></td>															
COLD BROOK - KWSCD06 9/4/2014 6:06 AM N BASEFLOW LOW 14.44 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/12/2014 7:00 AM N BASEFLOW LOW 14.2 CULVERT CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/17/2014 6:28 AM N BASEFLOW MEDIUM 5 CULVERT FOGGY CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/17/2014 6:28 AM N BASEFLOW MEDIUM 5 CULVERT FOGGY CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/17/2014 6:28 AM D CULVERT CULVERT CLOUVERT NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 01/1/2014 6:38 AM N BASEFLOW MEDIUM 12.22 CULVERT CLOUDY CALM CLOUDY RUN STAINED NO			8/28/2014	6:45 AM	D			1	CULVERT						NON-WADEABLE/MID-DEPTH
COLD BROOK - KWSCD06 M M BASEFLOW LOW 14.2 CULVERT CLEAR CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/17/2014 6:28 AM N BASEFLOW MEDIUM 5 CULVERT FOGGY CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/17/2014 6:28 AM N BASEFLOW MEDIUM 5 CULVERT FOGGY CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/17/2014 6:28 AM D CULVERT CULVERT FOGGY CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 10/1/2014 6:38 AM N BASEFLOW MEDIUM 12.2 CULVERT CLOUDY CALM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 VRMP 6/3/2014 8:05 AM N BASEFLOW MEDIUM 18.8 BRIDGE CLEAR		COLD BROOK - KWSCD06 -			1			1						MEDIUM	
VRMP 9/12/2014 7:00 AM N BASEFLOW LOW 14.2 CULVERT CLEAR CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 9/17/2014 6:28 AM N BASEFLOW MEDIUM 5 CULVERT FOGGY CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 9/17/2014 6:28 AM D		VRMP	9/4/2014	6:06 AM	N	BASEFLOW	LOW	14.44	CULVERT	CLEAR	CALM	CLEAR	RUN	STAINED	NON-WADEABLE/MID-DEPTH
COLD BROOK - KWSCD06 9/17/2014 6:28 AM N BASEFLOW MEDIUM 5 CULVERT FOGGY CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 9/17/2014 6:28 AM D C C CULVERT C C MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 9/17/2014 6:28 AM D MEDIUM 12.22 CULVERT C MEDIUM STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 01/1/2014 6:38 AM N BASEFLOW MEDIUM 12.22 CULVERT CLOUDY CALM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 01/1/2014 6:38 AM N BASEFLOW MEDIUM 18.8 BRIDGE CLEAR CALM CLEAR MEDIUM MEDIUM VRMP 6/3/2014 8:16 AM N BASEFLOW MEDIUM BRIDGE CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH VRMP 6/3/2014 8:16 AM N <td></td> <td>COLD BROOK - KWSCD06 -</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>LIGHT RAIN,</td> <td></td> <td>DARKLY</td> <td></td>		COLD BROOK - KWSCD06 -										LIGHT RAIN,		DARKLY	
VRMP 9/17/2014 6:28 AM N BASEFLOW MEDIUM 5 CULVERT FOGGY CALM MOSTLY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 VRMP 9/17/2014 6:28 AM D		VRMP	9/12/2014	7:00 AM	N	BASEFLOW	LOW	14.2	CULVERT	CLEAR	CALM	MOSTLY CLOUDY	RUN	STAINED	NON-WADEABLE/MID-DEPTH
COLD BROOK - KWSCD06 9/17/2014 6:28 AM D CULVERT CULVERT MEDIUM NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 0 10/1/2014 6:38 AM N BASEFLOW MEDIUM 12.22 CULVERT CLOUDY CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 0 6/3/2014 8:05 AM N BASEFLOW MEDIUM 12.22 CULVERT CLOUDY CLAM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 0 MEDIUM 18.8 BRIDGE CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 0 BASEFLOW MEDIUM 18.8 BRIDGE CLEAR CALM CLEAR DARKLY VRMP 6/11/2014 8:16 AM N BASEFLOW MEDIUM BRIDGE CLEAR CALM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 0 0 MEDIUM BRIDGE CLEAR CALM CLOUDY RUN STAINED NON-WADEABLE															
VRMP 9/17/2014 6:28 AM D COLV ERT COLVERT COLVERT COLVERT MEDIUM MON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD06 10/1/2014 6:38 AM N BASEFLOW MEDIUM 12.22 CULVERT CLOUDY CALM CLOUDY RUN STAINED MON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 COLD BROOK - KWSCD27 BASEFLOW MEDIUM 18.8 BRIDGE CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 BASEFLOW MEDIUM 18.8 BRIDGE CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH VRMP 6/11/2014 8:16 AM N BASEFLOW MEDIUM 18.8 BRIDGE CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH VRMP 6/11/2014 8:16 AM N BASEFLOW MEDIUM BRIDGE CLEAR CALM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 CLD BROOK - KWSCD27 BASEFLOW MEDIUM BRIDGE CLEAR			9/17/2014	6:28 AM	N	BASEFLOW	MEDIUM	5	CULVERT	FOGGY	CALM	MOSTLY CLOUDY	RUN	STAINED	NON-WADEABLE/MID-DEPTH
COLD BROOK - KWSCD06 10/1/2014 6:38 AM N BASEFLOW MEDIUM 12.22 CULVERT CLOUDY CALM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 COLD BROOK - KWSCD27 MEDIUM 6/3/2014 8:05 AM N BASEFLOW MEDIUM 18.8 BRIDGE CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 6/3/2014 8:05 AM N BASEFLOW MEDIUM 18.8 BRIDGE CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 BRIDGE CLEAR CALM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 BRIDGE CLEAR CALM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 BRIDGE CLEAR CALM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 BRIDGE CLEAR CALM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH								1							
VRMP 10/1/2014 6:38 AM N BASEFLOW MEDIUM 12.22 CULVERT CLOUDY CALM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27			9/17/2014	6:28 AM	D			I	CULVERT						NON-WADEABLE/MID-DEPTH
COLD BROOK - KWSCD27 - VRMP 6/3/2014 8:05 AM N BASEFLOW MEDIUM 18.8 BRIDGE CLEAR CALM CLEAR MEDIUM STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 - VRMP 6/11/2014 8:16 AM N BASEFLOW MEDIUM BRIDGE CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 - VRMP 6/11/2014 8:16 AM N BASEFLOW MEDIUM BRIDGE CLEAR CALM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 - COLD BROOK - KWSCD27 - V V BRIDGE CLEAR CALM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH															
VRMP 6/3/2014 8:05 AM N BASEFLOW MEDIUM 18.8 BRIDGE CLEAR CALM CLEAR RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 VRMP 6/11/2014 8:16 AM N BASEFLOW MEDIUM BRIDGE CLEAR CALM CLEAR CLOUDY BARKLY COLD BROOK - KWSCD27 6/11/2014 8:16 AM N BASEFLOW MEDIUM BRIDGE CLEAR CALM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH			10/1/2014	6:38 AM	N	BASEFLOW	MEDIUM	12.22	CULVERT	CLOUDY	CALM	CLOUDY	RUN		NON-WADEABLE/MID-DEPTH
COLD BROOK - KWSCD27 - VRMP 6/11/2014 8:16 AM N BASEFLOW MEDIUM BRIDGE CLEAR CALM CLOUDY RUN DARKLY NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27 - COLD BROOK - KWSCD27 - COLD COLD COLD BROOK - KWSCD27 - COLD COLD BROOK - KWSCD27 - COLD COLD BROOK - KWSCD27 -			c /2 /201						2012.05	0.515		0.545			
VRMP 6/11/2014 8:16 AM N BASEFLOW MEDIUM BRIDGE CLEAR CALM CLOUDY RUN STAINED NON-WADEABLE/MID-DEPTH COLD BROOK - KWSCD27			6/3/2014	8:05 AM	N	BASEFLOW	MEDIUM	18.8	BRIDGE	CLEAR	CALM	CLEAR	RUN		NON-WADEABLE/MID-DEPTH
COLD BROOK - KWSCD27 - LIGHT RAIN, MEDIUM			6/11/2014	9.10 484	N	DACEFLOW	MEDULM		PRIDCE	CLEAD	CALMA	CLOUDY	DUN		
			0/11/2014	8:16 AIVÍ	N	BASEFLOW	WEDIUM		BRIDGE	CLEAK	CALIVÍ		KUN		NON-WADEABLE/MID-DEPTH
		VRMP	6/19/2014	6:40 AM	N	BASEFLOW	MEDIUM	16.1	BRIDGE	CLEAR	CALM	PARTLY CLOUDY	RUN	STAINED	NON-WADEABLE/MID-DEPTH

Organiza tion Site				** Sample Type			Air Temp		Current				Water	
Code	VRMP Site ID	Date	Time	Qualifier	Flow	Stage	(°C)	Sample Location	Weather	Air Condition	Past 24HR Weather	Habitat	Appearance	Comments
	COLD BROOK - KWSCD27 - VRMP	6/25/2014	5:55 AM	N	BASEFLOW	HIGH		BRIDGE	SHOWERS	CALM	PARTLY CLOUDY	RUN	MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
	COLD BROOK - KWSCD27 - VRMP	7/4/2014	7:27 AM	N	BASEFLOW	LOW		BRIDGE	CLOUDY, SHOWERS	CALM	CLOUDY, SHOWERS	RUN	MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
	COLD BROOK - KWSCD27 - VRMP	7/4/2014	7:27 AM	D				BRIDGE						NON-WADEABLE/MID-DEPTH
	COLD BROOK - KWSCD27 -	7/4/2014	7.27 AIVI	D				BRIDGE	-				MEDIUM	NON-WADLABLE/MID-DEFTI
	VRMP	7/9/2014	5:54 AM	N	BASEFLOW	MEDIUM	19.44	BRIDGE	CLOUDY	CALM	PARTLY CLOUDY	RUN	STAINED	NON-WADEABLE/MID-DEPTH
	COLD BROOK - KWSCD27 -								MOSTLY		HEAVY RAIN,		MEDIUM	
	VRMP	7/16/2014	7:22 AM	N	STORMFLOW	HIGH	18.3	BRIDGE	CLOUDY		PARTLY CLOUDY	RUN	STAINED	NON-WADEABLE/MID-DEPTH
	COLD BROOK - KWSCD27 -	- / /												
	VRMP COLD BROOK - KWSCD27 -	7/16/2014	7:22 AM	D				BRIDGE		1			MEDIUM	NON-WADEABLE/MID-DEPTH
	VRMP	7/22/2014	5:56 AM	N	BASEFLOW	MEDIUM	14.44	BRIDGE	CLEAR	CALM	CLEAR	RUN	STAINED	NON-WADEABLE/MID-DEPTH
	VIXIVII	772272014	5.50 AM	IN .	DAJLILOW	IVIEDIOIVI	14.44	BRIDGE	CLEAN	CALIVI	CLEAN	NON	JIANED	
	COLD BROOK - KWSCD27										PARTLY CLOUDY,		MEDIUM	
	VRMP	8/1/2014	7:28 AM	N	BASEFLOW	MEDIUM		BRIDGE	CLEAR	CALM	SHOWERS	RUN	STAINED	NON-WADEABLE/MID-DEPTH
	COLD BROOK - KWSCD27 -													
	VRMP	8/1/2014	7:28 AM	D				BRIDGE						NON-WADEABLE/MID-DEPTH
	COLD BROOK - KWSCD27 - VRMP	8/7/2014	5:59 AM	N	BASEFLOW	MEDIUM	11.11	BRIDGE	CLEAR		SHOWERS	RUN	DARKLY STAINED	NON-WADEABLE/MID-DEPTH
	VINIVIE	8/7/2014	5.55 AIVI	IN	BASEFLOW	IVILDIOIVI	11.11	BRIDGE	CLLAN		SHOWERS	KON	STAINED	NON-WADLABLE/MID-DEFTI
	COLD BROOK - KWSCD27 -								MOSTLY		PARTLY CLOUDY,		MEDIUM	
	VRMP	8/16/2014	7:12 AM	N	STORMFLOW	MEDIUM	15.56	BRIDGE	CLOUDY	CALM	SHOWERS	RUN	STAINED	NON-WADEABLE/MID-DEPTH
	COLD BROOK - KWSCD27 -												MEDIUM	
	VRMP	8/21/2014	6:12 AM	N	BASEFLOW	LOW		BRIDGE	CLEAR	CALM	CLEAR	RUN	STAINED	NON-WADEABLE/MID-DEPTH
	COLD BROOK - KWSCD27 -	0/20/2014	C. 40. AM		DACEFLOW	1014	47.0	DDIDOS	CLEAD	C 11 14	CLEAD	D. IN	CLEAD	
	VRMP COLD BROOK - KWSCD27 -	8/28/2014	6:40 AM	N	BASEFLOW	LOW	17.9	BRIDGE	CLEAR	CALM	CLEAR	RUN	CLEAR MEDIUM	NON-WADEABLE/MID-DEPTH
	VRMP	9/4/2014	6:18 AM	N	BASEFLOW	LOW	14.44	BRIDGE	CLEAR	CALM	CLEAR	RUN	STAINED	NON-WADEABLE/MID-DEPTH
	COLD BROOK - KWSCD27 - VRMP	9/12/2014	7:10 AM	N	BASEFLOW	LOW	14.2	BRIDGE	CLEAR	CALM	LIGHT RAIN, MOSTLY CLOUDY	RUN	MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
	COLD BROOK - KWSCD27 -	5/12/2014	7.10 AW	IN	BASEFLOW	LOW	14.2	BRIDGE	CLLAN	CALIVI	WOSTET CLOODT	KON	MEDIUM	NON-WADLABLE/MID-DEFTI
	VRMP	9/17/2014	6:46 AM	N	BASEFLOW	MEDIUM	5	BRIDGE	FOGGY	CALM	MOSTLY CLOUDY	RUN	STAINED	NON-WADEABLE/MID-DEPTH
	COLD BROOK - KWSCD27 -												MEDIUM	
	VRMP	10/1/2014	6:51 AM	N	BASEFLOW	MEDIUM	12.22	BRIDGE	CLOUDY	CALM	CLOUDY	RUN	STAINED	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK - KWB05 - VRMP	6/3/2014	8-20 414	N	BASEFLOW	MEDIUM	18.8	BANK	CLEAR	CALM	CLEAR	RIFFLE	CLEAR	
	WHITTEN BROOK -	0/5/2014	8:30 AM	N	BASEFLOW	IVIEDIOIVI	10.0	DAINK	CLEAN	CALIVI	CLEAN	NIFFLE	CLEAN	NON-WADEABLE/MID-DEPTH
	KWB05 - VRMP	6/11/2014	8:41 AM	N	BASEFLOW	MEDIUM		BANK	CLEAR	CALM	CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -										LIGHT RAIN,			
	KWB05 - VRMP	6/19/2014	6:25 AM	N	BASEFLOW	LOW	16.1	BANK	CLEAR	CALM	PARTLY CLOUDY	RIFFLE	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	KWB05 - VRMP WHITTEN BROOK -	6/25/2014	6:15 AM	N	BASEFLOW	HIGH		BANK	SHOWERS CLOUDY,	CALM	PARTLY CLOUDY CLOUDY,	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	KWB05 - VRMP	7/4/2014	7:55 AM	N	BASEFLOW	LOW		BANK	SHOWERS	CALM	SHOWERS	RIFFLE	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -	// //2011	71007111		5/10212011	2011		b) iiii	0.10112.10	0,12,11	SHOWERS		OLL/ III	
	KWB05 - VRMP	7/9/2014	6:13 AM	N	BASEFLOW	MEDIUM	19.44	BANK	CLOUDY	CALM	PARTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -								MOSTLY		HEAVY RAIN,			
	KWB05 - VRMP	7/16/2014	7:10 AM	N	STORMFLOW	MEDIUM	18.3	BANK	CLOUDY	CALM	PARTLY CLOUDY	RIFFLE	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK - KWB05 - VRMP	7/22/2014	6:14 AM	Ν	BASEFLOW	MEDIUM	14.44	BANK	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	NVVDUJ - VKIVIP	//22/2014	0.14 AIVI	N	DAJEFLUW		14.44	DAINK	CLEAK	CALIVI	ULEAK	NUN	CLEAK	NON-WADEADLE/WID-DEPTH
	WHITTEN BROOK -										PARTLY CLOUDY,			
	KWB05 - VRMP	8/1/2014	7:45 AM	N	BASEFLOW	MEDIUM		BANK	CLEAR	CALM	SHOWERS	RIFFLE	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	KWB05 - VRMP	8/7/2014	6:16 AM	N	BASEFLOW	MEDIUM	11.11	BANK	CLEAR	CALM	SHOWERS	RUN	CLEAR	NON-WADEABLE/MID-DEPTH

Organiza tion Site Code	VRMP Site ID	Date	Time	** Sample Type Qualifier	Flow	Stage	Air Temp (°C)	Sample Location	Current Weather	Air Condition	Past 24HR Weather	Habitat	Water Appearance	Comments
couc		Dute	Time	Quanner	100	Juge	(0)	Sumple Location	Weather	All condition		Habitat	Appearance	connents
	WHITTEN BROOK -	0/10/2011						5.4.11/	MOSTLY		PARTLY CLOUDY,			
	KWB05 - VRMP WHITTEN BROOK -	8/16/2014	7:48 AM	N	STORMFLOW	MEDIUM	15.56	BANK	CLOUDY	CALM	SHOWERS	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	KWB05 - VRMP	8/21/2014	6:29 AM	N	BASEFLOW	MEDIUM		BANK	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -	-, , -											-	· · · · · · · · · · · · · · · · · · ·
	KWB05 - VRMP	8/28/2014	7:14 AM	N	BASEFLOW	LOW	17.9	BANK	CLEAR	CALM	CLEAR	RIFFLE	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -	0/4/2014	6.27 AM		DAGEELOW	MEDUINA		DANK	CLEAD	C 11 14	CLEAD	DUN	CLEAD	
	KWB05 - VRMP	9/4/2014	6:37 AM	N	BASEFLOW	MEDIUM	14.44	BANK	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -										LIGHT RAIN,			
	KWB05 - VRMP	9/12/2014	7:19 AM	N	BASEFLOW	LOW	14.2	BANK	CLEAR	CALM	MOSTLY CLOUDY	RIFFLE	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -	0/17/0011			B 4 6 5 5 1 0 1 /		_	5.4.11/	50001					
-	KWB05 - VRMP WHITTEN BROOK -	9/17/2014	7:03 AM	N	BASEFLOW	MEDIUM	5	BANK	FOGGY	CALM	MOSTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	KWB05 - VRMP	10/1/2014	7:09 AM	N	BASEFLOW	MEDIUM	12.22	BANK	CLOUDY	CALM	CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	NORTH BRANCH -													
	KWBNB02 - VRMP WHITTEN BROOK -	6/3/2014	8:25 AM	N	BASEFLOW	MEDIUM	18.8	BANK	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	NORTH BRANCH -													
	KWBNB02 - VRMP	6/11/2014	8:48 AM	N	BASEFLOW	MEDIUM		BANK	CLEAR	CALM	CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	NORTH BRANCH -										LIGHT RAIN,			
	KWBNB02 - VRMP WHITTEN BROOK -	6/19/2014	6:20 AM	N	BASEFLOW	LOW	16.1	BANK	CLEAR	CALM	PARTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	NORTH BRANCH -													
	KWBNB02 - VRMP	6/25/2014	6:24 AM	N	BASEFLOW	HIGH		BANK	SHOWERS	CALM	PARTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	NORTH BRANCH -	7/4/2014	7.50 414	N	DACEFLOW	1014		DANK	CLOUDY,	CALMA	CLOUDY,	DUN	CLEAD	
	KWBNB02 - VRMP WHITTEN BROOK -	7/4/2014	7:50 AM	N	BASEFLOW	LOW		BANK	SHOWERS	CALM	SHOWERS	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	NORTH BRANCH -													
_	KWBNB02 - VRMP	7/9/2014	6:24 AM	N	BASEFLOW	MEDIUM	19.44	BANK	CLOUDY	CALM	PARTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	NORTH BRANCH - KWBNB02 - VRMP	7/16/2014	7:08 AM	N	BASEFLOW	LOW	18.3	BANK	MOSTLY CLOUDY	CALM	HEAVY RAIN, MOSTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -	7/10/2014	7.08 AW	IN	BASETLOW	LOW	10.5	DANK	CLOODT	CALIVI	WIOSTET CLOODT	KON	CLEAN	NON-WADLABLE/MID-DEFTI
	NORTH BRANCH -													
	KWBNB02 - VRMP	7/22/2014	6:24 AM	N	BASEFLOW	MEDIUM	14.44	BANK	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	NORTH BRANCH - KWBNB02 - VRMP	8/1/2014	7:40 AM	N	BASEFLOW	MEDIUM		BANK	CLEAR	CALM	PARTLY CLOUDY, SHOWERS	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -	0/1/2014	7.407.001	N	DAGENEOW	MEDIOW		Britik	CLEAN	CALINI	SHOWERS	Non	CLE/III	
	NORTH BRANCH -													
	KWBNB02 - VRMP	8/7/2014	6:24 AM	N	BASEFLOW	MEDIUM	11.11	BANK	CLEAR	CALM	SHOWERS	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK - NORTH BRANCH -								MOSTLY		PARTLY CLOUDY,			
	KWBNB02 - VRMP	8/16/2014	7:45 AM	N	BASEFLOW	MEDIUM	15.56	BANK	CLOUDY	CALM	SHOWERS	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -	., .,												
	NORTH BRANCH -													
	KWBNB02 - VRMP	8/21/2014	6:38 AM	N	BASEFLOW	MEDIUM		BANK	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK - NORTH BRANCH -													
	KWBNB02 - VRMP	8/28/2014	7:10 AM	N	BASEFLOW	LOW	17.9	BANK	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	NORTH BRANCH -	- 1 - 1												
	KWBNB02 - VRMP	9/4/2014	6:46 AM	N	BASEFLOW	MEDIUM	14.44	BANK	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH

Organiza tion Site				** Sample Type			Air Temp		Current				Water	
Code	VRMP Site ID	Date	Time	Qualifier	Flow	Stage	(°C)	Sample Location	Weather	Air Condition	Past 24HR Weather	Habitat	Appearance	Comments
	WHITTEN BROOK -													
	NORTH BRANCH -										LIGHT RAIN,			
	KWBNB02 - VRMP	9/12/2014	7:16 AM	N	BASEFLOW	LOW	14.2	BANK	CLEAR	CALM	MOSTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	NORTH BRANCH -						_							
	KWBNB02 - VRMP	9/17/2014	7:12 AM	N	BASEFLOW	MEDIUM	5	BANK	FOGGY	CALM	MOSTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	NORTH BRANCH -							2444	0.0101		0.0101		0.545	
	KWBNB02 - VRMP	10/1/2014	7:17 AM	N	BASEFLOW	MEDIUM	12.22	BANK	CLOUDY	CALM	CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	UNNAMED TRIBUTARY -	C /2 /2014	0.20 AM	N		MEDILINA	10.0	CHINEDT	CLEAD	CALM	CLEAD		CLEAD	
	KWBUA01 - VRMP WHITTEN BROOK -	6/3/2014	8:20 AM	N	BASEFLOW	MEDIUM	18.8	CULVERT	CLEAR	CALM	CLEAR	RIFFLE	CLEAR	NON-WADEABLE/MID-DEPTH
	UNNAMED TRIBUTARY -													
		6/11/2014	8:29 AM	N	BASEFLOW	MEDIUM		CULVERT	CLEAR	CALM	CLOUDY	RUN	CLEAR	
	KWBUA01 - VRMP WHITTEN BROOK -	0/11/2014	0.29 Alvi	IN	DAJEFLOW	IVIEDIOIVI		COLVERT	CLEAR	CALIVI	CLOUDT	KUN	CLEAR	NON-WADEABLE/MID-DEPTH
	UNNAMED TRIBUTARY -										LIGHT RAIN,			
	KWBUA01 - VRMP	6/19/2014	6:16 AM	N	BASEFLOW	LOW	16.1	CULVERT	CLEAR	CALM	PARTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -	0/13/2014	0.10 AW	14	DAJELEOW	2011	10.1	COLVENI	CLEAN	CALIVI	TARTET CLOUDT	NON	CLEAN	
	UNNAMED TRIBUTARY -													
	KWBUA01 - VRMP	6/25/2014	6:08 AM	Ν	BASEFLOW	HIGH		CULVERT	SHOWERS	CALM	PARTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -	0/20/2014	0.007.00		DAGETEOW			COLVENI	SHOWERS	CALIN		Non	CLEAR	
	UNNAMED TRIBUTARY -								CLOUDY,		CLOUDY,			
	KWBUA01 - VRMP	7/4/2014	7:45 AM	N	BASEFLOW	MEDIUM		CULVERT	SHOWERS	CALM	SHOWERS	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -	,, ,,2011	71107.00		5, 62, 20 11			COLVENI	billottello	0,12111	5110112110		OLE/ III	
	UNNAMED TRIBUTARY -													
	KWBUA01 - VRMP	7/9/2014	6:08 AM	N	BASEFLOW	MEDIUM	19.44	CULVERT	CLOUDY	CALM	PARTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -	1-1										-		· · · · · · · · · · · · · · · · · · ·
	UNNAMED TRIBUTARY -								MOSTLY		HEAVY RAIN,			
	KWBUA01 - VRMP	7/16/2014	7:05 AM	N	STORMFLOW	MEDIUM	18.3	CULVERT	CLOUDY	CALM	PARTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	UNNAMED TRIBUTARY -													
	KWBUA01 - VRMP	7/22/2014	6:06 AM	Ν	BASEFLOW	MEDIUM	14.44	CULVERT	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	UNNAMED TRIBUTARY -										PARTLY CLOUDY,			
	KWBUA01 - VRMP	8/1/2014	7:35 AM	N	BASEFLOW	MEDIUM		CULVERT	CLEAR	CALM	SHOWERS	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	UNNAMED TRIBUTARY -													
	KWBUA01 - VRMP	8/7/2014	6:10 AM	N	BASEFLOW	MEDIUM	11.11	CULVERT	CLEAR	CALM	SHOWERS	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	UNNAMED TRIBUTARY -								MOSTLY		PARTLY CLOUDY,			
	KWBUA01 - VRMP	8/16/2014	7:42 AM	N	STORMFLOW	MEDIUM	15.56	CULVERT	CLOUDY	CALM	SHOWERS	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -						1							
	UNNAMED TRIBUTARY -				_		1							
	KWBUA01 - VRMP	8/21/2014	6:24 AM	N	BASEFLOW	MEDIUM		CULVERT	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -						1							
	UNNAMED TRIBUTARY -	0/00/						a			0.5.5			
	KWBUA01 - VRMP	8/28/2014	7:05 AM	N	BASEFLOW	LOW	17.9	CULVERT	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -						1							
	UNNAMED TRIBUTARY -	0/4/2011	6-26 · · ·		DACES ON			01111/507	0.515		0.510		0.515	
	KWBUA01 - VRMP	9/4/2014	6:30 AM	N	BASEFLOW	MEDIUM	14.44	CULVERT	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -						1							
	UNNAMED TRIBUTARY -	0/12/201	7.22 414		DAGE TI ON	1011/		CHINEDT	CLEAD		LIGHT RAIN,	DUN	CLEAD	
	KWBUA01 - VRMP	9/12/2014	7:22 AM	N	BASEFLOW	LOW	14.2	CULVERT	CLEAR	CALM	MOSTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -						1							
	UNNAMED TRIBUTARY -	0/12/2014	7.22 ^ 4				1	CULVERT						
	KWBUA01 - VRMP	9/12/2014	7:22 AM	D		L	1	CULVERT		L	L		L	NON-WADEABLE/MID-DEPTH

Organiza				**			Air							
tion Site				Sample Type			Temp		Current				Water	
Code	VRMP Site ID	Date	Time	Qualifier	Flow	Stage	(°C)	Sample Location	Weather	Air Condition	Past 24HR Weather	Habitat	Appearance	Comments
	WHITTEN BROOK -													
	UNNAMED TRIBUTARY -	0/17/0011			B 4 6 5 5 1 0 1 1		_	0.00	50001				0.545	
	KWBUA01 - VRMP	9/17/2014	6:56 AM	N	BASEFLOW	MEDIUM	5	CULVERT	FOGGY	CALM	MOSTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN BROOK -													
	UNNAMED TRIBUTARY -	10/1/2011	7.04 444		DAGEEL OW		42.22	CULUEDT		C 11 14		DUN	CLEAD	
	KWBUA01 - VRMP WHITTEN STREAM -	10/1/2014	7:04 AM	N	BASEFLOW	MEDIUM	12.22	CULVERT	CLOUDY	CALM	CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	KWT01 - VRMP	6/3/2014	8:35 AM	N	BASEFLOW	MEDIUM	18.8	CULVERT	CLEAR	CALM	CLEAR	RIFFLE	CLEAR	
	WHITTEN STREAM -	0/3/2014	6.55 AIVI	IN	BASEFLOW	IVIEDIOIVI	10.0	COLVERT	CLEAR	CALIVI	LIGHT RAIN,	NIFFLE	CLEAR	NON-WADEABLE/MID-DEPTH
	KWT01 - VRMP	6/19/2014	6:10 AM	N	BASEFLOW	LOW	16.1	CULVERT	CLEAR	CALM	PARTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN STREAM -	0/13/2014	0.10 AW	N	DAJLILOW	LOW	10.1	COLVENT	CLEAN	CALIVI	TARTELCEOODT	NON	CLEAN	
	KWT01 - VRMP	6/25/2014	6:36 AM	N	BASEFLOW	HIGH		CULVERT	SHOWERS	CALM	PARTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN STREAM -	0, 20, 202							CLOUDY,		CLOUDY,			······································
	KWT01 - VRMP	7/4/2014	7:40 AM	N	BASEFLOW	LOW		CULVERT	SHOWERS	CALM	SHOWERS	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
-	WHITTEN STREAM -													
	KWT01 - VRMP	7/9/2014	6:40 AM	N	BASEFLOW	MEDIUM	19.44	CULVERT	CLOUDY	CALM	PARTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN STREAM -								MOSTLY		HEAVY RAIN,			
	KWT01 - VRMP	7/16/2014	7:00 AM	N	STORMFLOW	MEDIUM	18.3	CULVERT	CLOUDY	CALM	MOSTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN STREAM -													
	KWT01 - VRMP	7/22/2014	6:40 AM	N	BASEFLOW	MEDIUM	14.44	CULVERT	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN STREAM -										PARTLY CLOUDY,			
	KWT01 - VRMP	8/1/2014	7:48 AM	N	BASEFLOW	MEDIUM		CULVERT	CLEAR	CALM	SHOWERS	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN STREAM -	0/7/0044			B 4 6 5 5 1 0 1 1			0.00	0.540		01011500		0.545	
	KWT01 - VRMP	8/7/2014	6:35 AM	N	BASEFLOW	MEDIUM	11.11	CULVERT	CLEAR	CALM	SHOWERS	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN STREAM -								MOSTLY		PARTLY CLOUDY.			
	KWT01 - VRMP	8/16/2014	7:55 AM	N	BASEFLOW	MEDIUM	15.56	CULVERT	CLOUDY	CALM	SHOWERS	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN STREAM -	0/10/2014	7.33 AW	IN IN	BASELLOW	MEDION	10.00	COLVENT	CLOODY	CALINI	SHOWERS	NON	CLEAN	
	KWT01 - VRMP	8/21/2014	6:50 AM	N	BASEFLOW	MEDIUM		CULVERT	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN STREAM -	-, -1, -014	0.007.111		2,102,2017			00212	0227.01	0.12.11.	OLL. III		0127.00	
	KWT01 - VRMP	8/28/2014	7:20 AM	N	BASEFLOW	LOW	17.9	CULVERT	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN STREAM -													
	KWT01 - VRMP	9/4/2014	6:57 AM	N	BASEFLOW	MEDIUM	14.44	CULVERT	CLEAR	CALM	CLEAR	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN STREAM -										LIGHT RAIN,			
	KWT01 - VRMP	9/12/2014	7:36 AM	N	BASEFLOW	LOW	14.2	CULVERT	CLEAR	CALM	MOSTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN STREAM -													
	KWT01 - VRMP	9/17/2014	7:25 AM	N	BASEFLOW	MEDIUM	5	CULVERT	FOGGY	CALM	MOSTLY CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH
	WHITTEN STREAM -													
	KWT01 - VRMP	10/1/2014	7:29 AM	N	BASEFLOW	MEDIUM	12.22	CULVERT	CLOUDY	CALM	CLOUDY	RUN	CLEAR	NON-WADEABLE/MID-DEPTH