

Prymnesium parvum analyses conducted by Dave Hambright - University of Oklahoma

EPA samples

Received 30 Sep 09

Sender: Lou Reynolds

samples from 20 Sep 09

Reynolds	rep1	rep2
Site	PCR	PCR
WANA	+++	+++
UMR	+++	+++
MDP	++	++
WTL	+++	+++
DBD	+++	+++
UBD	+	-
D05	+	+

WVDEP samples

Received 01 Oc t09

Sender: John Wirts

samples from 24 Sep 09

Site	Salinity (psu)	Microscope Count	Flow Cytometry (Fluorescence) Count	PCR	PCR
WANA-2	1.56	586,667	551,492	+++	+++
UMR-2	3.09	94,667	80,655	++	++
MDP-2	1.17	213,667	344,410	+++	+++
WTL-2	5.09	3,000	2,541	++	++
DBD-2	5.30	0	0	+	+
UBD-2	5.21	333	0	-	-

WANA – West Virginia Fork of Dunkard Ck @ Wana Bridge (Avg Sp. Conductance – 3400, TDS ?)

UMR – Dunkard Creek - Upstream of Miracle Run (average Sp. Conductance - 4400, Total dissolved solids = 2450 mg/L, Chlorides ~430 mg/L, and Sulfate ~ 1280 mg/L)

MDP – Dunkard Creek @ Mason Dixon Park (Sp. Conductance – 2300 -)

WTL – Wetland proper (South Fk of WV Fk)

DBD – South Fork of WV Fk - Downstream of Beaver Dam

UBD - South Fork of WV Fk - Upstream of Beaver Dam

(Sp. conductance has averaged ~ 11,000, TDS ~ 9,000, Chlorides ~ 1400, and Sulfates ~ 3800 at a couple locations in the South Fork of WV Fk of Dunkard over the last couple weeks)

Pensylvania DEP

Dunkard Creek Aquatic Invertebrate Sampling Plan

Aquatic Resources Section

Sept. 30 and Oct 1, 2009

PFBC Site	ID	Sampled	N	W	Whole water	50 mL 1%	Filtered GF/F	15 mL 1%	Microscope Count	Flow Cytometry (Fluorescence) Count	PCR	PCR	Salinity (psu)	
														Sender
		Date	Coordinates			500 mL	Lugols	Volume	Lugol's 2-Oct-09	Lugol's 8-Oct-09	8-Oct-09	rep1	rep2	
Brave	H01	30-Sep-09	39.730189	-80.250964	4	+	260	+	269,250	206,433	+++	+++	1.82	
Blacksville	H02	30-Sep-09	39.721525	-80.205306	4	-	350	+	131,000	123,761	+++	+++	1.32	
Musky Bridge	H03	30-Sep-09	39° 43.391	080° 04.968	4	+	300	+	156,750	136,595	+++	+++	1.15	
Car Wash (Downstream Shannon Creek)	H04	30-Sep-09	39°43' 54.2"	80° 05" 27.9'	4	-	350	+	108,000	78,060	+++	+++	0.91	
Mt Morris Bridge (SR 2007)	H05	30-Sep-09	39.733381	-80.071325	4	+	300	+	132,250	122,849	+++	+++	0.98	
Gas Co. Road	H06	30-Sep-09	39° 45.109	080° 02.518	4	-	230	+	262,250	326,982	+++	+++	0.94	
SR 2021 Bridge	H07	1-Oct-09	39.75528	-80.01183	4	+	220	+	247,250	384,616	+++	+++	0.93	
Old water Works Road	H08	1-Oct-09	39° 44.752	079° 59.201	4	-	300	+	159,000	217,160	+++	+++	2.36	
Open Grate Bridge	H09	1-Oct-09	39° 44.898	079° 58.689	4	+	300	+	187,000	196,099	+++	+++	2.59	
Reference PA fork u.s. WV fork - Shamrock T309	H10	1-Oct-09	40° 41'16.7"	75° 12'11.4"	4	-	500	+	6,250	0	+	+	0.14	
Hoover's Run near Brave, d.s. of Eddy's Run	H11	1-Oct-09	39.72989	-80.26571	4	+	500	+	0	0	+	+	0.34	

These samples were collected and shipped overnight