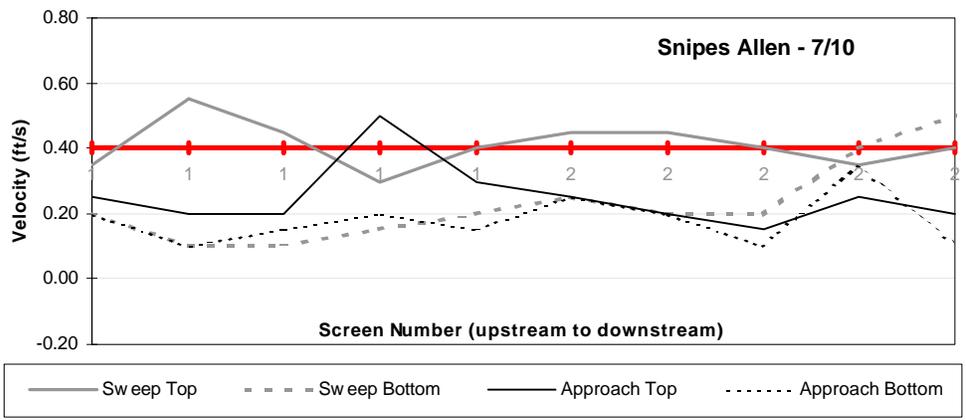
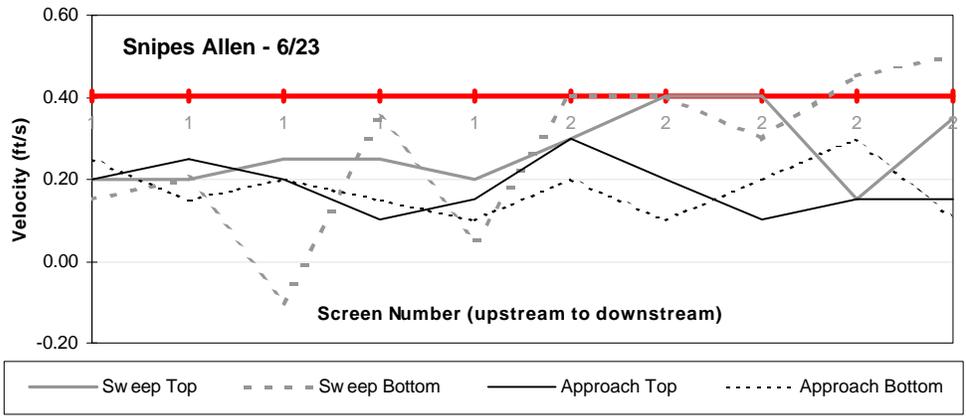
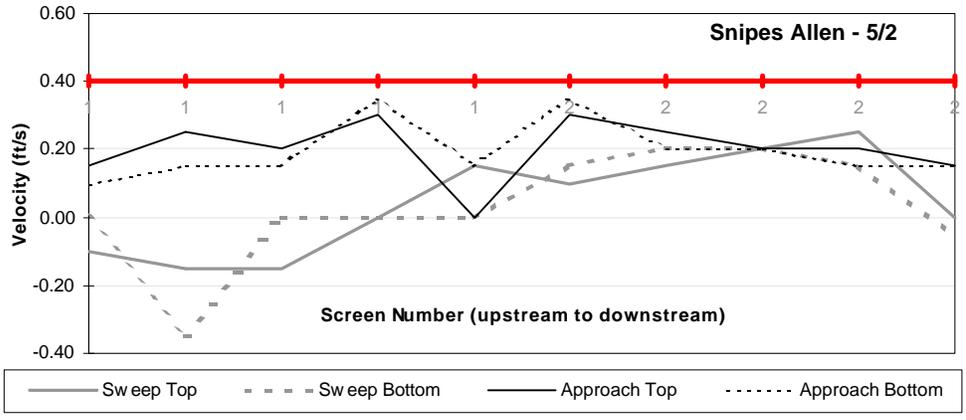
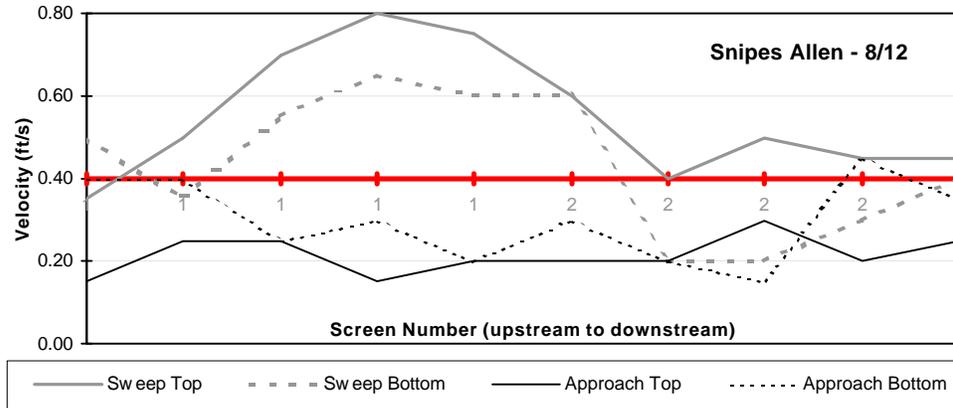


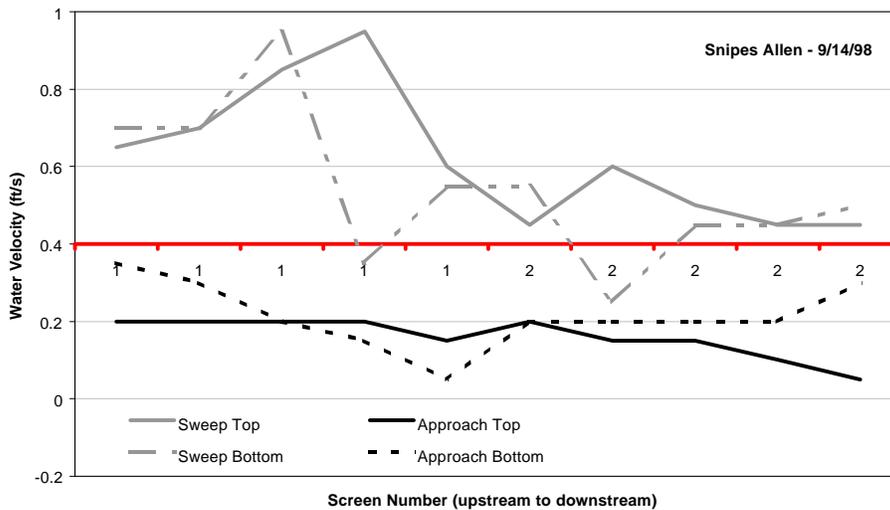
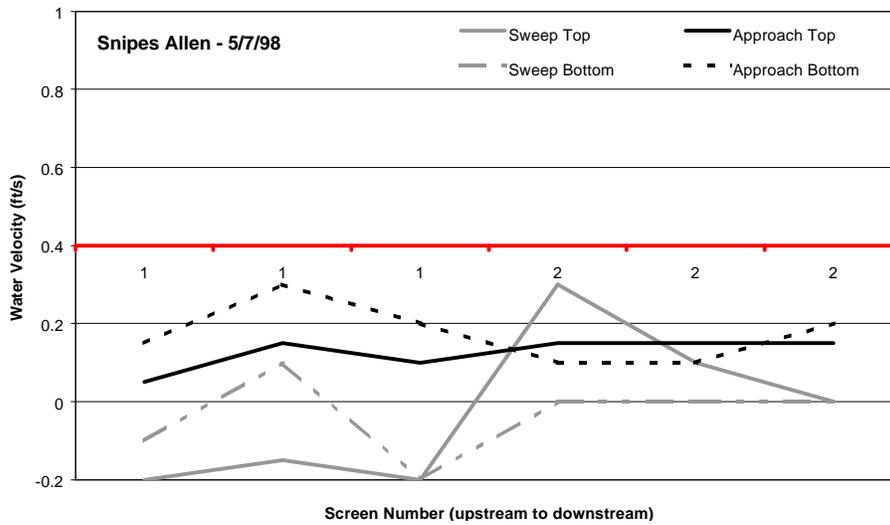
Water Velocities: Snipes Allen

1997

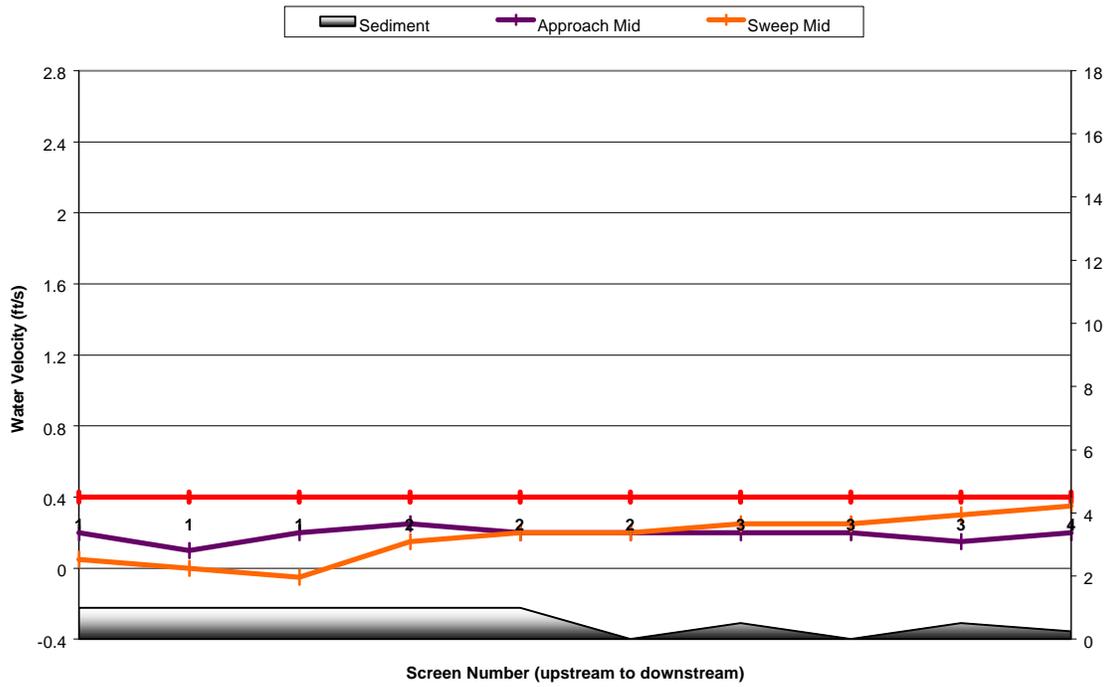




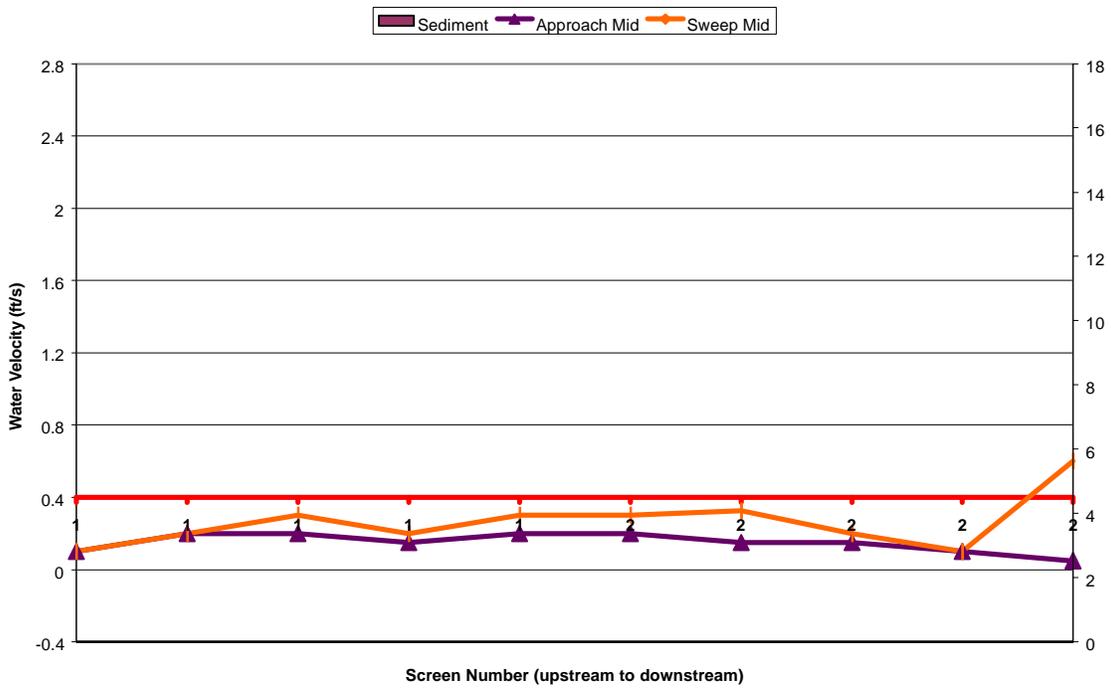
1998



Snipes Allen - May 14, 1999



Snipes Allen - August 4, 1999





General Observations: Snipes Allen

Date	Snipes Allen 5/2/97	Snipes Allen 6/23/97	Snipes Allen 7/10/97	Snipes Allen 8/12/97	Snipes Allen 5/7/98	Snipes Allen 9/14/98	Snipes Allen 5/14/1999	Snipes Allen 8/4/99
<b>Staff Gages?</b>	canal=1.92	aftbay=1.9	forebay=3.32 canal=2.0 and 3.3	forebay=3.05 canal=2.0 aftbay=3.05	forebay=3.08 behind flow control gate = 1.9 left= 19 right = 17.5" in canal going under freeway = 0.8'	aftbay=3.1 canal=2.0	forebay=.4 aftbay=1.92 canal=.85	forebay=29.75 aftbay=30.25 canal=20
<b>Submergence Marks?</b>	no	no	no	no	no	no	yes; wearing off below 80	yes, faint as they get lower
<b>Stopplogs?</b>	yes, 4" of water over top	yes, 4.5" of water over top	yes	yes	yes	Yes, 6" of water over top	yes	yes
<b>Louvers?</b>	NA	NA	NA	NA	NA	NA	NA	NA
<b>Head Loss?</b>	1/2"	1/2"	1/2"	1/2"	no	0.5"	No. 3/4"	No. 1/2"
<b>Screen Material Condition</b>	#1 = small dimple near center seam; #2 = 1/4" x 2" x 4" divet near seam	good, but algae- covered	Screen #1=upstream half cleaner than downstream half; Screen 2=evenly covered in algae	good, but algae- covered	no info	Brown - algae covered	Partially clogged with diatoms, have metallic streaks.	2' band of algae across screens, patch on 1.
<b>Seal Condition</b>	good	good	good	good	no info	good	NA	good
<b>Drums Turning Evenly?</b>	yes	Screen #1 is jerking	yes	yes	yes	yes	yes	yes
<b>Debris Anywhere?</b>	yes, muck on trashrack, 4 or 5 big sticks in front of Screen 2, plus sediment	some silt and plants in front of screens	no	no, except for submergent vegetation	None floating	Lots of submergent plant growth	Bucket near head gates. Logs, twigs & beer cans in trashrack.	Boards and stick accumulation at trashrack.
<b>Cleaning System Working?</b>	good except for sticks & sediment	no info	Yes.	Yes.	no data	no info	Yes.	No.
<b>Submergence (% of 48")</b>	77.1	78.1	89.6	82.3	83.3	79.2	81	86
<b>Flow over Weir? How much?</b>	no, it's pretty stagnant although there are 10.5" of water over top of the weir	yes, 8"	yes, 16"	yes, 7"	Yes - 14"	Yes, 8"	Yes. 12.5"	Yes. 3.5"
<b>Gage to Measure Weir Crest?</b>	no	no	no	no	no	no	no	no
<b>Weir Full Open? If not, how many inches to go?</b>	no	yes	yes	no, 5" to go	yes	yes	yes	No. 8.5"

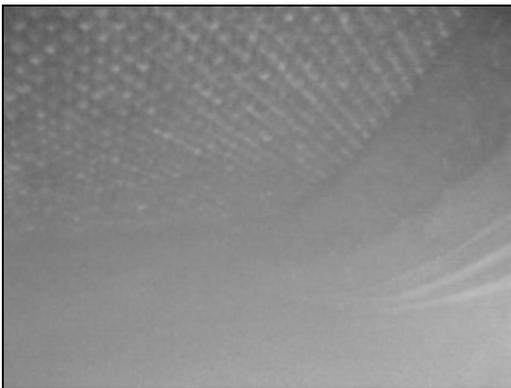
General Observations, continued

Date	Snipes Allen 5/2/97	Snipes Allen 6/23/97	Snipes Allen 7/10/97	Snipes Allen 8/12/97	Snipes Allen 5/7/98	Snipes Allen 9/14/98	Snipes Allen 5/14/1999	Snipes Allen 8/4/99
<b>Water Running Freely behind Weir?</b>	no, it seems backed up	yes	yes	yes	No, high water backed up.	Water is SURGING over the weir (or at least hitting the back wall and bouncing back in a wave-like pattern. Water levels may be almost identical at both ends of the pipe (?).	yes	Yes, but slowly.
<b>Depth of water in outfall pipe</b>	couldn't find outfall	couldn't find outfall	couldn't find outfall	couldn't find outfall		pipe is submerged	pipe is submerged	pipe is submerged
<b>Outfall Running Smooth?</b>	couldn't find outfall	couldn't find outfall	couldn't find outfall	couldn't find outfall	Flooding	It's bubbling a lot	yes	yes
<b>Debris at End of Pipe?</b>	couldn't find outfall	couldn't find outfall	couldn't find outfall	couldn't find outfall	no	no	no	no
<b>Discharge Area ≈ 1 ft?</b>	couldn't find outfall	couldn't find outfall	couldn't find outfall	couldn't find outfall	yes	yes	yes	yes
<b>Silt</b>	Screen 1= 6-7" sediment; Screen 2=3" sediment	2" of silt in front of Screen #1	1" max silt at Screen #1; 1 3/4" silt max at Screen #2	Screen 1=3-6" silt; Screen 2=little or no silt	"lots" of sediment at the upstream end and middle of Screen 2	no mention of silt or debris, even in video notes.	1/2"-1" at both.	none
<b>Comments</b>	big dead fish floating in bypass, ramp in flush mode, no video		lots of submergent vegetation in forebay	lots of submergent vegetation in forebay; turbid water	There is a fallen tree near the bypass, but it's not blocking it. Possible reverse bypass flow.	none.	Small electrical interference.	20 minnows 1" in forebay. Some trash in corner of screen 2.

1997 Photos: Snipes Allen



1998 Photos: Snipes Allen





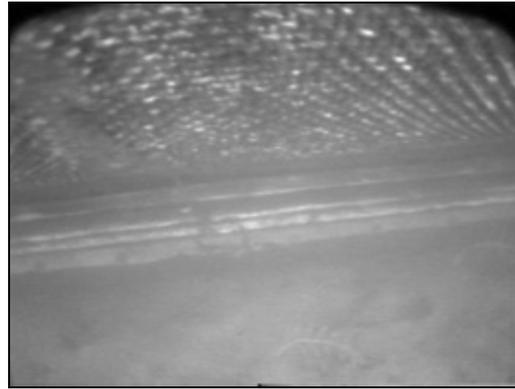
1999 Underwater Video

Screen Site	Date (Tape #)	Location (screen # & VCR counter)	VCR Counter	Notes	Photos	Descriptor		
Snipes Allen	5/14/99 (1)	1	0:57:27	0:57:57	silty bottom, plants growing across bottom	0:58:04	P1 S1	
		2	1:00:23	1:00:53		0:58:50		
		Bypass	1:04:43	1:01:13	1:01:16	branch & twig pile	1:01:16	D1
				1:03:56	1:04:03	large log	1:04:03	D2
Snipes Allen	8/4/99 (4)	1	0:14:07	0:15:17	sediment building up in middle			
		2	0:16:09	0:18:42				can in corner
		Bypass	0:19:22					

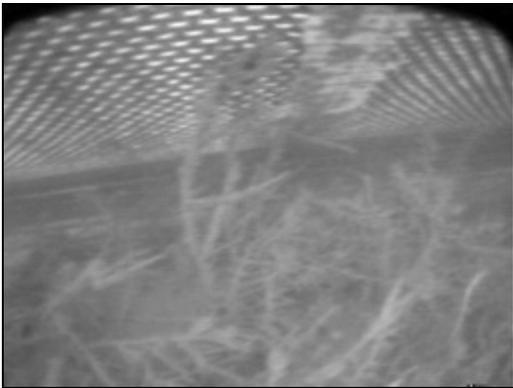
1999 Photos: Snipes Allen



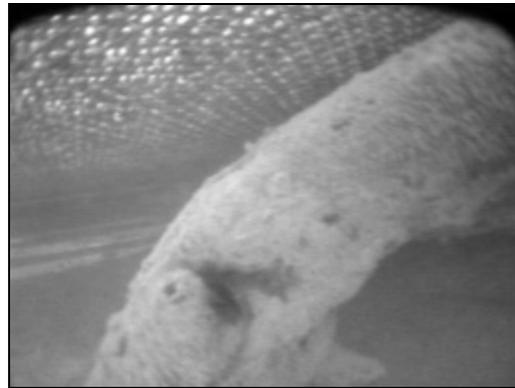
P1



S1



D1



D2





