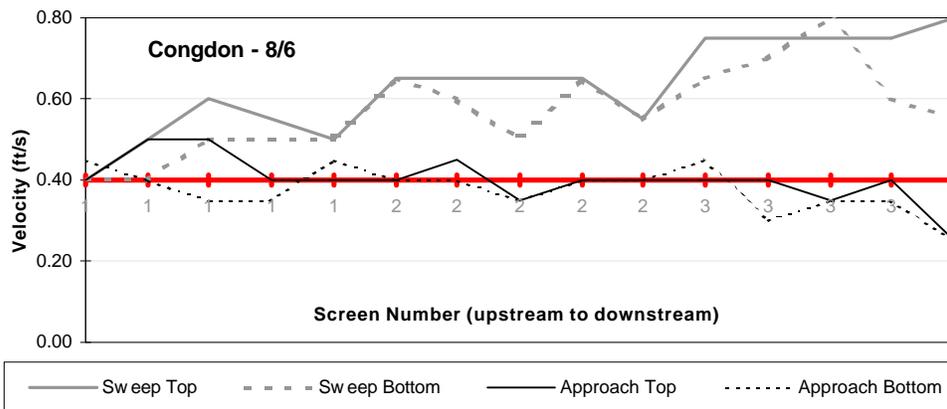
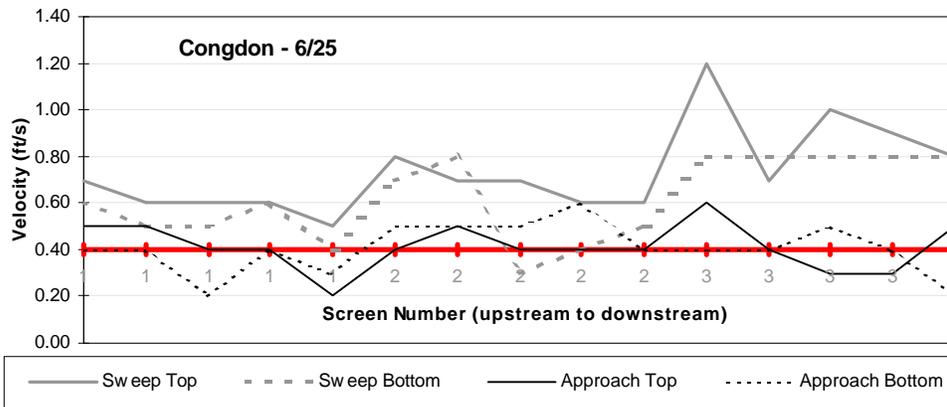
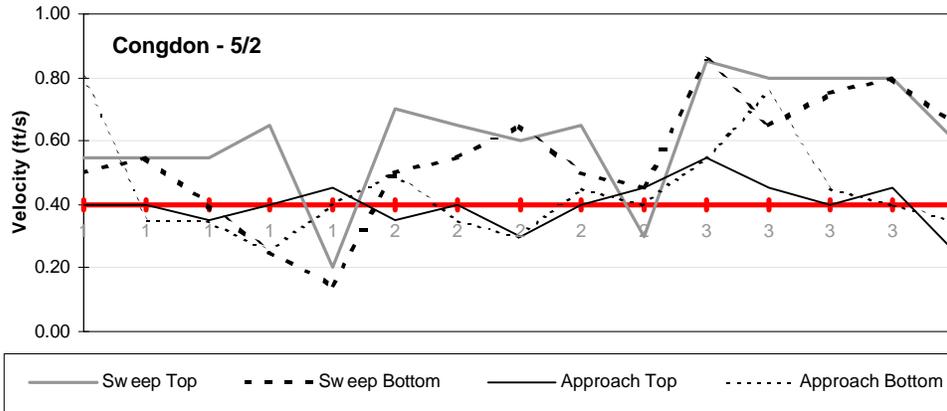
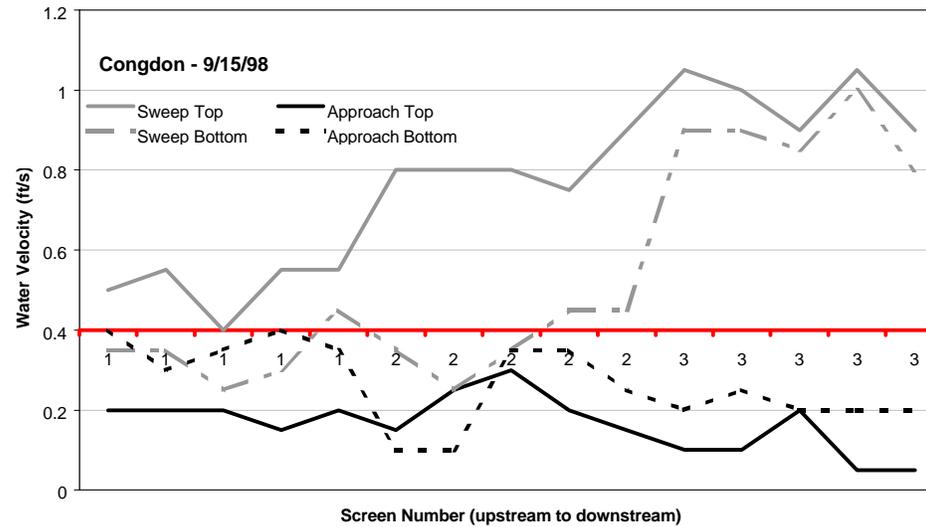
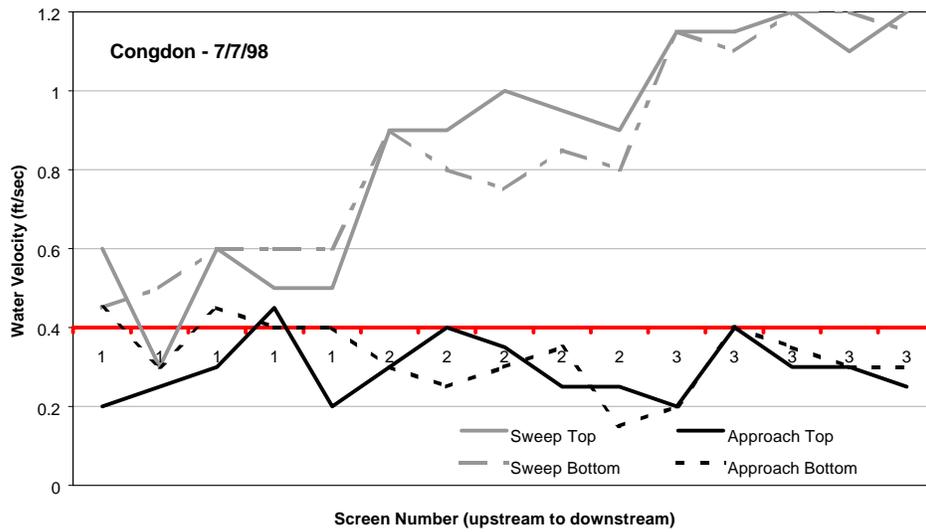
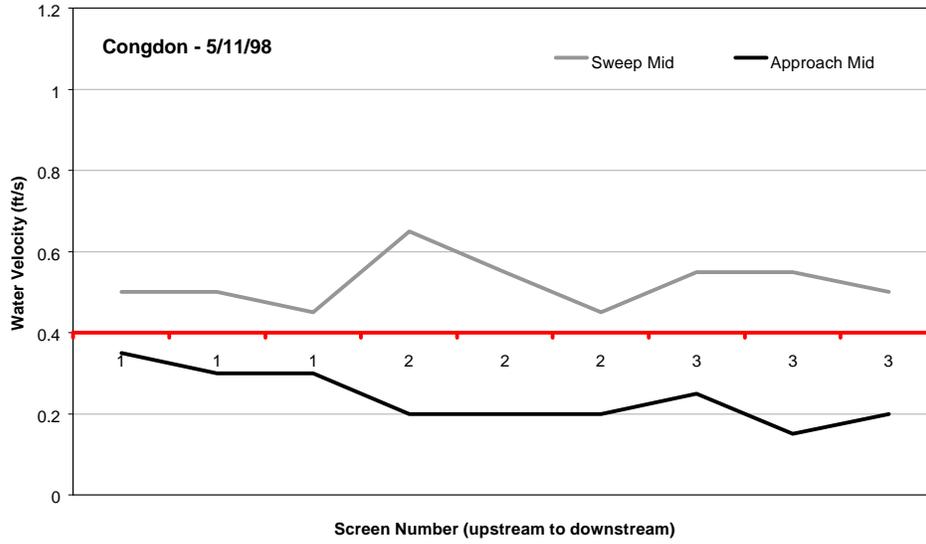


Water Velocities: Congdon

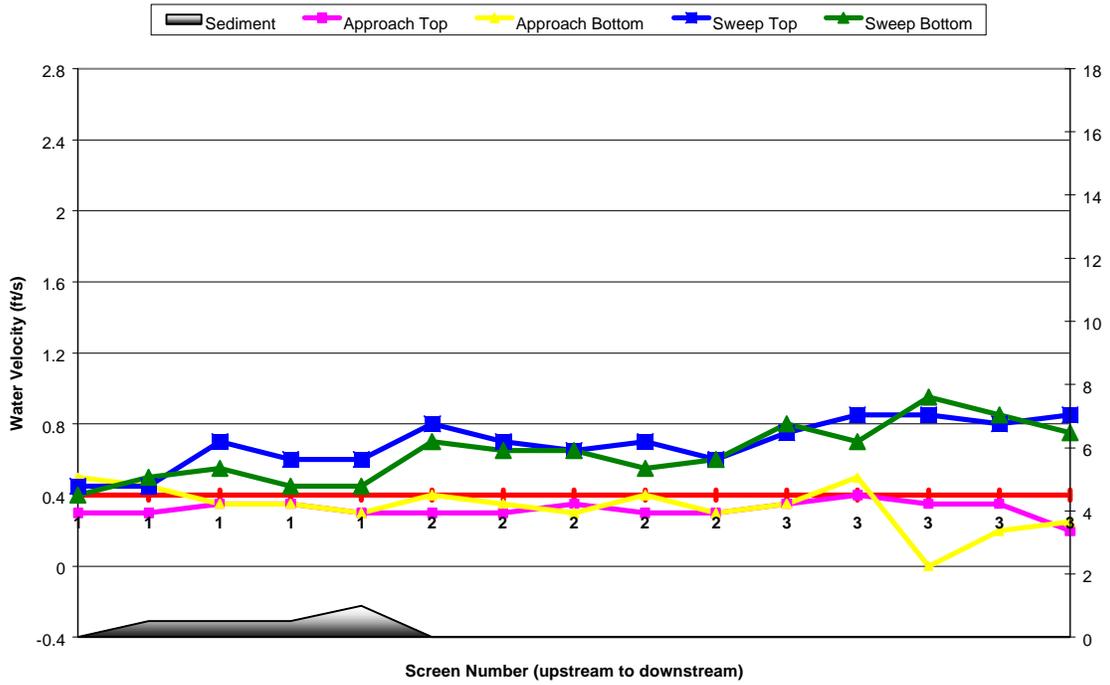
1997



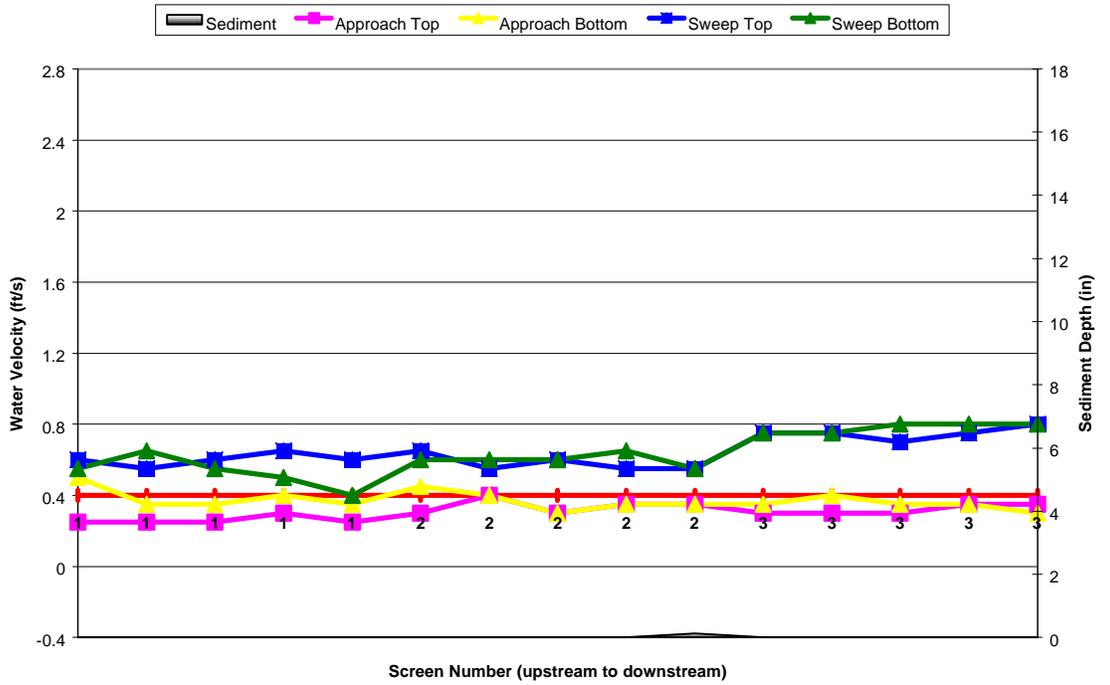
1998



Congdon - May 13, 1999



Cogdon - July 14, 1999



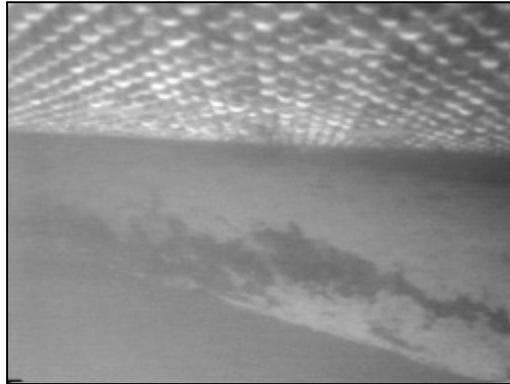
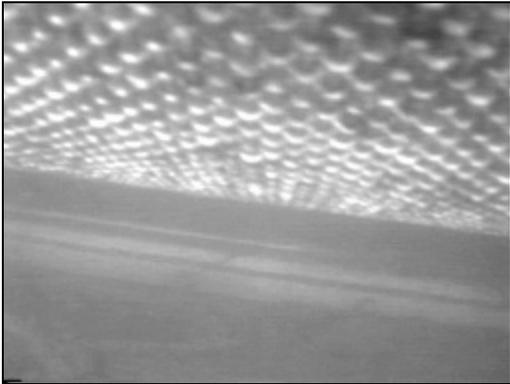
General Observations: Congdon

Date	Congdon 5/2/97	Congdon 6/25/97	Congdon 8/6/97	Congdon 5/11/98	Congdon 7/7/98	Congdon 9/15/98	Cogdon 5/13/1999	Cogdon 7/14/99
Staff Gages?	forebay=3.9 main_channel=3.94 (near diversion)	forebay=3.85	forebay=3.8	forebay=3.80 main_channel=3.80	forebay=27 aftbay=28.5 shed_auto_forebay=3.9	forebay=3.8 (dirty); aftbay=3.65	forebay=3.90	forebay=3.8(dirty) shed_gauges=32.3 forebay; 30.1 aftbay
Submergence Marks?	no	no	no	yes, probably every 10% but there are only lines, no numbers.	no	old marks that are no longer helpful (no #s)-just faint lines	yes; below 90 is covered in algae.	yes; asy to read above water, dirty below 90.
Stoplogs?	yes	yes, 9.5" under water	yes	yes, behind all 3 screens; about 7" of water flows over the porosity boards.	yes	yes	yes, behind all three screens.	yes
Louvers?	NA	NA	NA	NA	NA	NA	NA	NA
Head Loss?	yes, b/t 1.5 and 2"	1/2"	1"	1"	1.5"	None	Yes. 1.125", electronic gage: Fore=34.2", Aft=31.5".	No. 1/2"
Screen Material Condition	#1 has a 1/4" deep and 6-8" diameter depression; #2 has 2 big depressions -1" in diam and 1/4 1/2" deep; #3 has 10" long (&narrow) -1/4" deep near the mid seal	good, some brown algae	good	Some algae build up.	good	looks good; all screens are brown with algae though	Good. Not many diatoms, or clean-dirty spots.	Brown from diatoms, not many wear patterns.
Seal Condition	good	good	good	no info	good	good	good	good
Drums Turning Evenly?	yes	yes	yes	yes	yes	yes	yes	yes
Debris Anywhere?	tiny bit on trashracks	a little under water (sticks & twigs mostly)	no	A little on the trash rack, and some algae build up on screens.	No; it was just cleaned out	One large floating stick in bay #3.	No.	No.
Cleaning System Working?	no information	yes	yes	No information.	yes	yes	Yes.	Yes.
Submergence (% of 48")	84.4	87.5	87.5	82.3	?-no info	83.3	88%	
Flow over Weir? How much?	yes, 11"	yes, 12"	yes, 4.5"	Yes, 7"	Yes	Yes, 11"	Yes. 13"	Yes. 11"
Gage to Measure Weir Crest?	no	no	no	no	yes	Yes, a board with marks on it.	Yes, board marked .1ft to 2ft. But far from bypass.	Yes. Faded board with 1/2" marks to 1.5ft.
Weir Full Open? If not, how many inches to go?	yes	yes	no, 6" to go	No, 7" to go	No, 21" to go	yes	yes	yes
Water Running Freely behind Weir?	yes	yes	yes	yes	yes	yes	yes	yes
Depth of water in outfall pipe	pipe is submerged	pipe is submerged	pipe is submerged	No information.	full	Pipe submerged, but can see some bubbles.	Submerged.	Submerged.
Outfall Running Smooth?	yes	yes	yes, though there is some bubbling	No information.	yes	Yes, though there are some surges.	yes	Yes, burping a lot.
Debris at End of Pipe?	no	no	yes	No information.	no	no	no	no
Discharge Area ≈ 1 ft?	yes	yes	yes	No information.	yes	Yes, the pipe is submerged.	yes	yes

General Observations, continued

Date	Congdon 5/2/97	Congdon 6/25/97	Congdon 8/6/97	Congdon 5/11/98	Congdon 7/7/98	Congdon 9/15/98	Cogdon 5/13/1999	Cogdon 7/14/99
<b>Silt</b>	to top of sill in middle of Screen 1	1" in front of Screens 1&2; none at Screen 3	4-6" of silt at Screen #2.	1" of silt in front of Screen 1, none anywhere else.	very little - 1" in front of Screen 1, none downstream	Screen 1 - soft bottom, about 6" of silt. Screen 2 - soft bottom, about 4" silt. Screen 3 - ? Nothing recorded.	Only 1" scr.1.	none
<b>Comments</b>	no video		1 dead fish floating in front of Screen #1; silt covered seal at Screen #2.	None.	Clean site, little silt or debris.	Silty site. Hard to video anything but the side seals because of high turbidity. Silt appeared to begin in the middle of the screens and continue toward the downstream end.	1 fish near bypass end of scr.3.	Some trash and debris at bottom of screens.

1997 Photos: Congdon



1998 Photos: Congdon





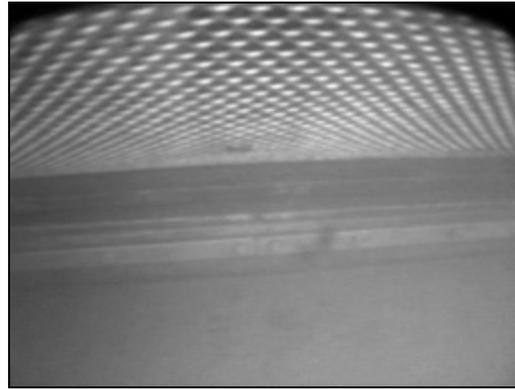
1999 Underwater Video: Congdon

Screen Site	Date (Tape #)	Location (screen # & VCR counter)	VCR Counter	Notes	Photos	Descriptor
Congdon	5/13/99 (1)	1	0:48:30	pop & beer can, stick stick & unknown object	0:49:08	T1
		2	0:51:44			
		3	0:54:15	stick & some sand throughout bottom	0:55:27	AVG
		Bypass	0:56:27			
Congdon	7/14/99 (2)	1	1:02:02	pop cans and sticks at bottom		
		2	1:03:54	trash on the bottom		
		3	1:05:22			
		Bypass	1:07:52	1:07:53		

1999 Photos: Congdon



T1



AVG

