

Water Velocities: Glead

(no accurate measurements recorded because of electrical interference)

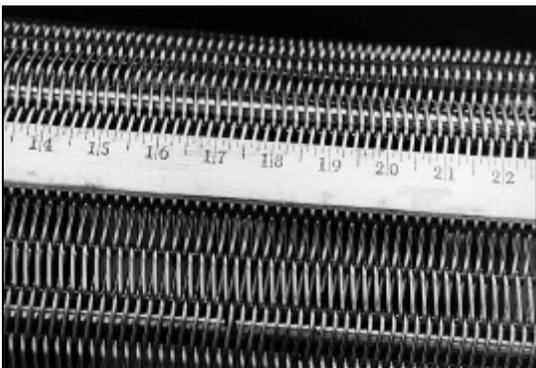
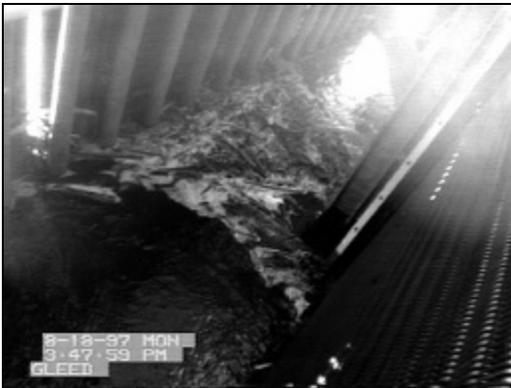
General Observations

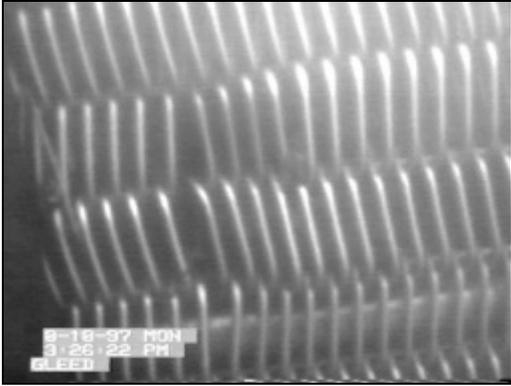
Date	Glead 5/2/97	Glead 7/11/97	Glead 8/18/97	Glead 5/11/98	Glead 7/7/98	Glead 9/21/98	Glead 5/14/1999	Glead 7/20/99
Staff Gages?	none observed	aftbay=2.45	aftbay=1.1	none observed	aftbay=2.1	none observed	aftbay=1.8_(under grating)	aftbay=2.3
Submergence Marks?	no	no	no	no	no	no	no	yes
Stoplogs?	no	no	no	no	no	no	no	NA
Louvers?	no	no	no	no info	no info	no info	NA	no
Head Loss?	no	2" (gain)	no	no	1.5"	no	no	No. 1/2"
Screen Material Condition	good, but screen openings look larger than criteria may allow	#1 dented (upstream)	dented in places, especially #1 at upstream edge.	no info	good	looks OK but the openings are still wide (>3/8"). There are occasional bent wires, but nothing really bad.	Good. Scr.3&4 plastic w/tiny holes.	First 2 screens metal, second 2 plastic. #1 has patch, #2 has two patches.
Seal Condition	good	good	ok	no info	they show some wear	OK	good	Good. Seals of 3 & 4 have debris.
Drums Turning Evenly?	yes	yes	yes	Yes	yes	Yes	Yes.	Yes.
Debris Anywhere?	yes, some small sticks between "trashracks" and screens.	yes, a considerable amount of logs, twigs, sticks, & styrofoam - most is at Screen #3, but there's some at all screens	yes, some still trapped in front of the screens by the eddy near the downstream end. Screens 1-3 had the most woody debris.	Lots of debris trapped in and around screens and new barriers	Lots of sticks and weeds, especially in center. Only Screen 4 was clean.	Sticks under water, logs near diversion.	No.	Accumulation of sticks and leaves at 4, big long in front of 1 & 2.
Cleaning System Working?	yes - for leaves but not sticks	not for sticks	yes	No information except that there are a lot of sticks getting stuck in between the screens and the trashrack.	yes	yes, except for the sticks accumulating under water.	Yes.	Yes, small items.
Submergence (% of 48")	36.5	-73.7	-55.8	62.5	61.7	72.5	NA	
Flow over Weir? How much?	NA	NA	NA	NA	NA	NA	NA	NA
Gage to Measure Weir Crest?	NA	NA	NA	NA	NA	NA	NA	NA
Weir Full Open? If not, how many inches to go?	NA	NA	NA	NA	NA	NA	NA	NA
Water Running Freely behind Weir?	NA	NA	NA	NA	NA	NA	NA	NA
Depth of water in outfall pipe	NA	NA	NA	NA	NA	NA	NA	NA
Outfall Running Smooth?	NA	NA	NA	NA	NA	NA	NA	NA
Debris at End of Pipe?	NA	NA	NA	NA	NA	NA	NA	NA
Discharge Area \approx 1 ft?	NA	NA	NA	NA	NA	NA	NA	NA
Silt	no info	no info	no info	none	No, mostly sticks and weeds (lots of them)	0.5 - 1.5" in front of screens 1&2, big wood chunk in front of screen 3.	none	

General Observations, continued

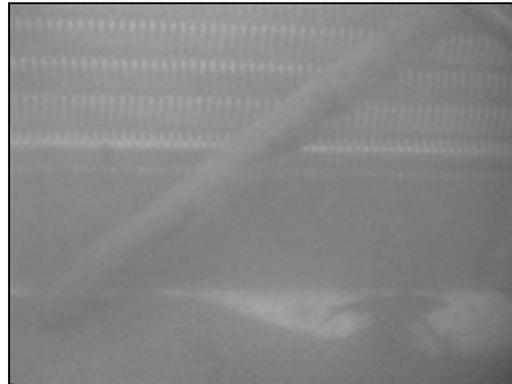
Date	Gleed 5/2/97	Gleed 7/11/97	Gleed 8/18/97	Gleed 5/11/98	Gleed 7/7/98	Gleed 9/21/98	Gleed 5/14/1999	Gleed 7/20/99
Comments	trashracks directly in front of screens are big boards that block most flow...only a few cracks between the boards let water through.	Screen 1's trashrack was dented in so it was difficult to get the camera or flow meter in there. Flows weren't even, there was an eddy at the downstream end near where water spills back to the river that pushed water upstream in front of screens 3 & 4.	Very turbid at the bottom of the screens; hard to see.	They've added about 1-2 ft of 3/32 perplate to the top of the screen to keep fish out. Some came undone. The bent platform (last year) was straightened. Water is high. Plastic screens were not installed. Flows similar to last year: flows upstream near the 2 downstream screens and flows downstream along the 2 upper screens.	Screen Material is in good condition. Some wear on seals.	Site improved since last visit.	No bypass. Electrical interference, no measurements.	Fallen trees sending debris down.

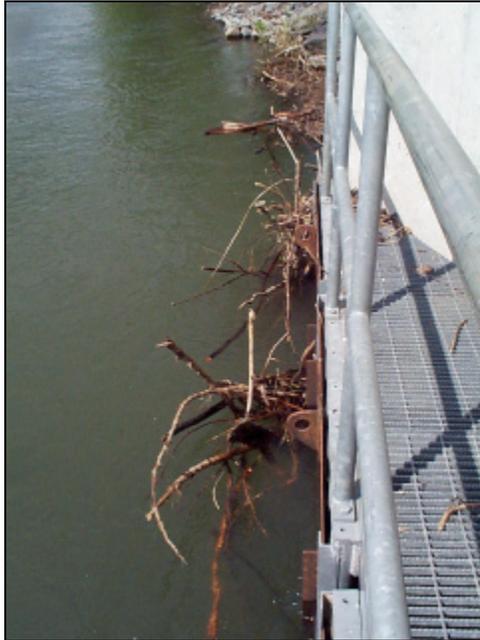
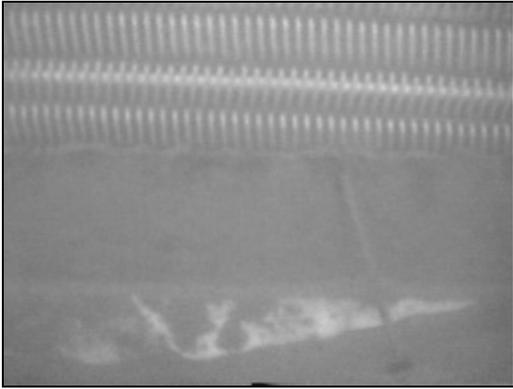
1997 Photos: Glead

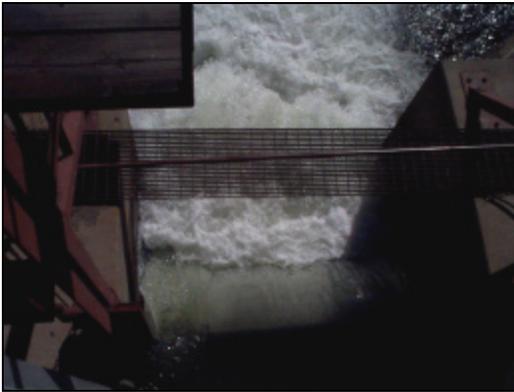
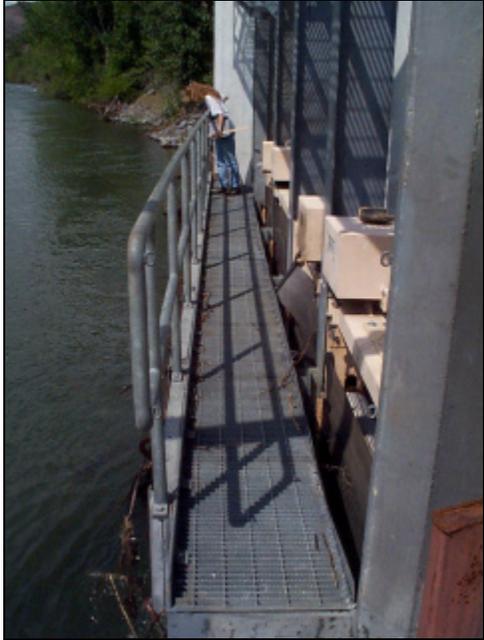




1998 Photos:







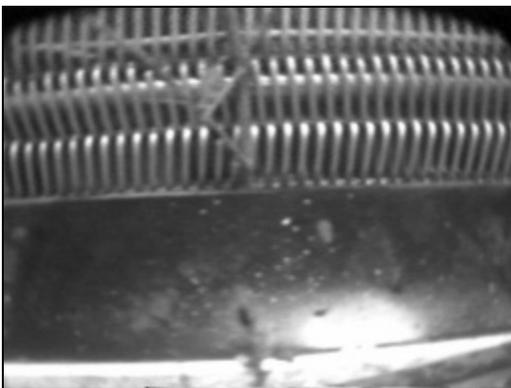


1999 Underwater Video: Gleed

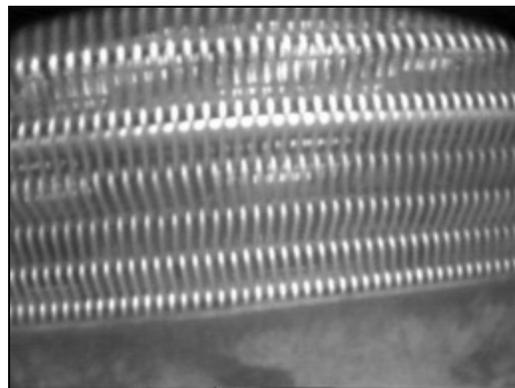
Screen Site	Date (Tape #)	Location (screen # & VCR counter)	VCR Counter	Notes	Photos	Descriptor
Gleed	5/14/99 (1)	1 1:21:09	1:22:46	sticks, twig in screen	1:22:47 1:25:47	D1 AVG
		2 1:24:38				
		3 1:26:50	1:26:51	sticks at top of screen		
		4 1:29:16				

Gleed	7/20/99 (2)	1 1:52:43	1:56:29	large log and sticks in corner debris stuck in side seam, sticks in corner		
		2 1:55:21				
		3 1:57:22	2:00:48			
		4 2:00:48				

1999 Gleed Photos



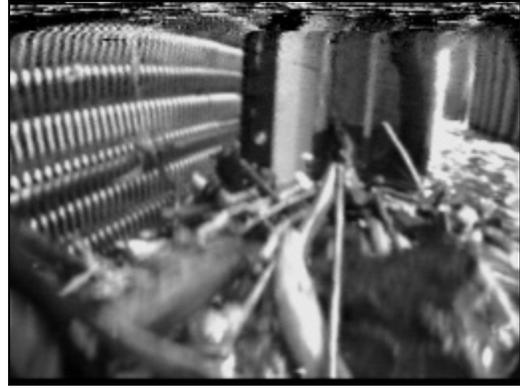
D1



AVG



D2



D3