

**MEMORANDUM FOR THE RECORD****SUBJECT: 17BON01 MFR – ROV inspection at Cascades Island Entrance Pool**

On 07 February, Project biologists conducted an ROV inspection of the Cascade Island and B-branch entrance pools. No issues were found at B-branch. Four items of concern were found at Cascades Island.

- 1) Diffuser pit access hatch across from FG6-18 is blown off (figure A).
- 2) The south elevator door has a screen opening at its base that is blown open (figure B).
- 3) One piece of grating at FG6-20 is blown off (figure C).
- 4) One of two channel keeper bars on the FG6-16 diffuser plate is blown off (figure D). These bars hold the diffuser plate in place. When the other bar goes, the diffuser plate will displace.



Figure A.



Figure B.



Figure C.



Figure D.

<b>Cascades Island diffusers (FG6- )</b>			
FG6-	Auto/Man	TW elev.	Position
5	auto	>31'	open
6	auto	>29'	open
7	auto	>25'	open
8	auto	>23'	open
9	auto	>20'	open
10	auto	>17'	open
11	auto	>14'	open
12	auto	11'-33'	open
13	auto	10'-31'	open
14	auto	9'-28'	open
15	manual		open
16	manual		open
17	manual		open
18	auto	>12'	open
19	auto	>15'	open
20	auto	>19'	open

Sincerely,  
Bonneville Fisheries