

**MEMORANDUM FOR THE RECORD**

**SUBJECT: 19JDA05 Full flow bypass delay**

At 1000, JDA Fisheries began activation procedures at the Primary Dewatering Structure (PDS). This entails adjusting overflow weirs and closing drain valves which are operated by electric actuators. During attempting to close the 16" adult fish drain valve the actuator over torqued causing a loud "bang" and shaking the grating underneath the operator's feet. It is unclear if there is any permanent damage to the knife gate valve or actuator. Mechanical maintenance is assessing the situation.















Large amounts of snow and ice buildup can be found on the other valves and on the drain plugs. Since all auto weirs and valves on the PDS and switch gate are controlled by similar actuators, JDA will be postponing full flow bypass until the weather improves to protect further damage to equipment.

Currently, the juvenile bypass system is running in bypass operation with flow going down the ogee (under the crest gate) and out the outfall. There is no PIT detection in this system. Main units 1-4 have screens deployed and all available fish orifices in the bypass system are open.





(PDS, adult fish drain valve, actuator, and switch gate circulating valve)

DAY		DESCRIPTION	HIGH / LOW	PRECIP	WIND	HUMIDITY
TODAY MAR 1		Partly Cloudy	29/19°	10%	ENE 6 mph	76%
SAT MAR 2		Cloudy	29/17°	20%	E 8 mph	81%
SUN MAR 3		Sunny	26/12°	10%	ESE 9 mph	68%
MON MAR 4		Partly Cloudy	26/13°	10%	E 7 mph	65%
TUE MAR 5		Cloudy	27/21°	20%	E 6 mph	74%
WED MAR 6		AM Snow Showers	31/27°	50%	E 4 mph	85%
THU MAR 7		AM Snow Showers	37/27°	40%	NW 5 mph	84%
FRI MAR 8		Partly Cloudy	37/26°	10%	NE 4 mph	81%
SAT MAR 9		Mostly Cloudy	37/26°	10%	NE 4 mph	76%
SUN MAR 10		Partly Cloudy	38/26°	10%	E 4 mph	78%
MON MAR 11		Partly Cloudy	40/29°	10%	ENE 4 mph	77%
TUE MAR 12		Partly Cloudy	41/31°	10%	NE 4 mph	78%
WED MAR 13		Showers	42/32°	40%	ENE 4 mph	81%
THU MAR 14		Partly Cloudy	43/33°	20%	NNE 4 mph	79%

(2 week forecast)

Sincerely,

JD Project Fisheries