

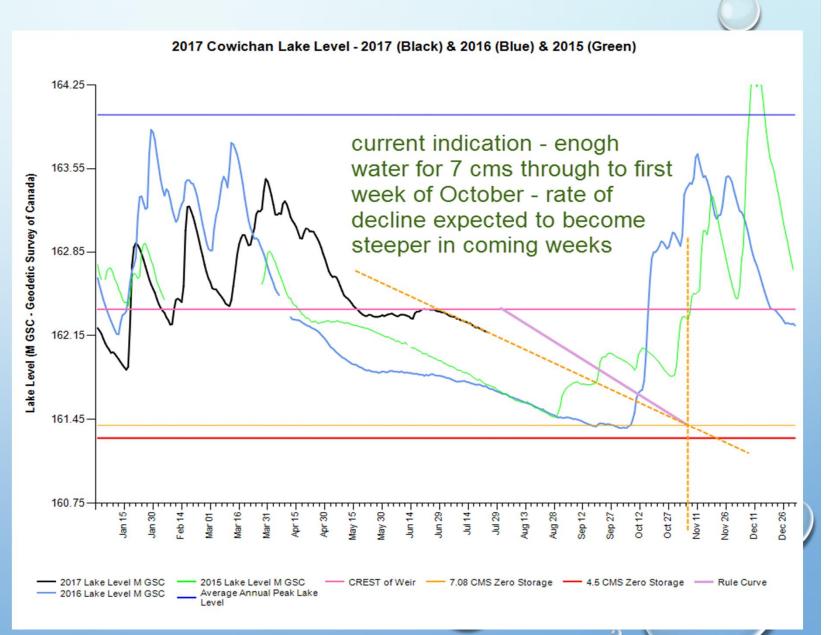
JULY 31, 2017

COWICHAN LAKE STORAGE & RIVER FLOW UPDATE



## LAKE STORAGE LEVELS

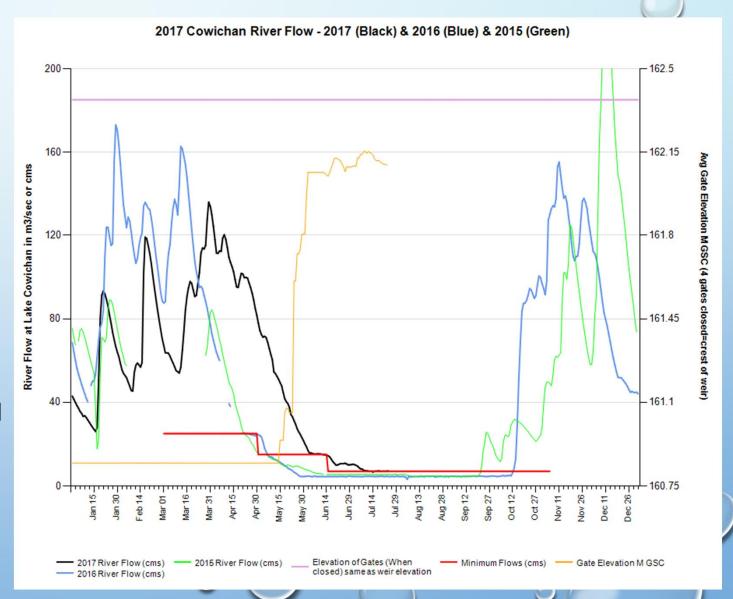
- FULL STORAGE MAINTAINED UNTIL
   END OF JUNE
- LAKE NOW LEVEL NOW DROPPING
- BY EXTRAPOLATION, WITH NO PRECIPITATION WOULD REACH O STORAGE FIRST WEEK OF NOVEMBER
- LAKE WILL PROBABLY DROP A BIT FASTER WITH CONTINUED HOT DRY WEATHER (EVAPORATION, REDUCED INFLOWS)





## RIVER FLOWS

- RIVER FLOW RAMPED DOWN TO 7CMS SECOND WEEK OF JULY
- RUNNING ABOVE RULE CURVE FOR MOST OF SPRING/SUMMER PRIOR TO THAT
- CURRENT PLAN IS TO MAINTAIN FLOWS AT 7CMS MOVING FORWARD
- COWICHAN TRIBES/DFO FLOW METERING IDENTIFIED CALIBRATION ERROR AT GAUGING STATION – ADDRESSED BY WSC RESULTING IN APPROX. 10% FLOWINCREASE
- NORTH ARM CURRENTLY PASSABLE TO ADULT SALMON (CT/DFO FOOT SURVEYS)





## WEATHER...

- WARM AND DRY.....
- WEEKLY CALLS TO BE MAINTAINED
- NO CHANGES
   ANTICIPATED
- SUMMER PRECIPITATION
   COULD ALLOW FOR FALL
   PULSE FLOWS

	HOURLY		36 HOURS		WEEKEND			7 DAYS		14	14 DAYS		MONTHLY	
													GRAPH TABLE	
	Tue Jul 25	Wed Jul 26	Thu Jul 27	Fri Jul 28	Sat Jul 29	Sun Jul 30	Mon Jul 31	Tue Aug 1	Wed Aug 2	Thu Aug 3	Fri Aug 4	Sat Aug 5	Sun Aug 6	Mon Aug 7
	<b>\(\overline{\pi}\)</b>	<b>\overline{\overline{\pi}}</b>	<b>\$</b>	<b>*</b>	<b>*</b>	<b>\$</b>	<b>\overline{\overline{\pi}}</b>	<b>\$</b>	<b>\overline{\overline{\pi}}</b>	<b>\overline{\overline{\pi}}</b>		<b>(</b>	<b>\$</b>	<b>\$</b>
Day	23°C	22°C	22°C	24°C	23°C	25°C	26°C	30°C	29°C	26°C	25°C	24°C	25°C	25°C
Night	13°C	12°C	11°C	13°C	13°C	13°C	13°C	13°C	13°C	13°C	13°C	12°C	13°C	13°C
POP	0%	10%	20%	10%	20%	30%	10%	20%	10%	10%	70%	10%	10%	10%
Rain	-	-		-	-	-	-	-	-	<1 mm	2-4 mm	-	-	-
Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40°C														
30℃														20000
20℃														
10℃	□ Daily forecast high temperature □ Daily forecast low temperature Historical Average Temperatures over 30 years													



## BOTTOM LINE...

- 2017 LOOKS LIKE A REPRIEVE FROM CONSECUTIVE "FLIRTING WITH DISASTER YEARS"
- GOOD WORK BY COWICHAN TRIBES AND DFO STAFF TO MONITOR LOWER RIVER CONDITIONS.
- CONTINUED WARM DRY WEATHER COULD CHANGE OUTLOOK BUT FORECAST FAVOURABLE UNTIL FALL RAINS
- LONG TERM SOLUTION OF ADDITIONAL STORAGE STILL ESSENTIAL CLIMATE CHANGE MITIGATION MEASURE
- PROGRESS ON RETAINING CONSULTANT TO LEAD SDM PROCESS TO DEFINE STORAGE REQUIREMENT AS PER CVRD UPDATE
- IDENTIFICATION OF LICENSE HOLDER WILL BE NEXT "BIG STEP" TOWARDS LONG TERM SOLUTION

