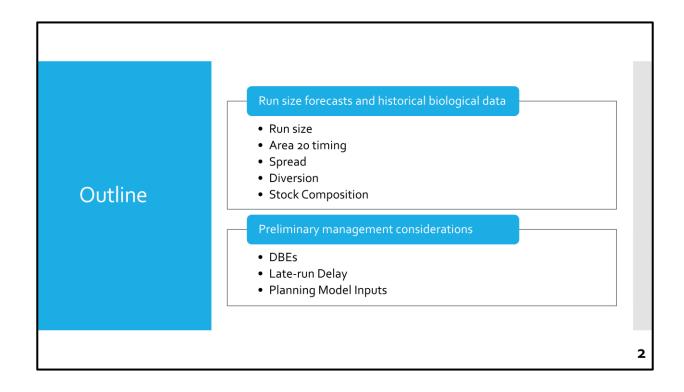
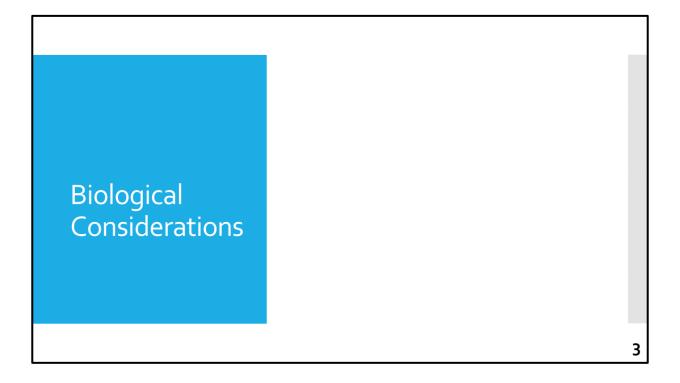
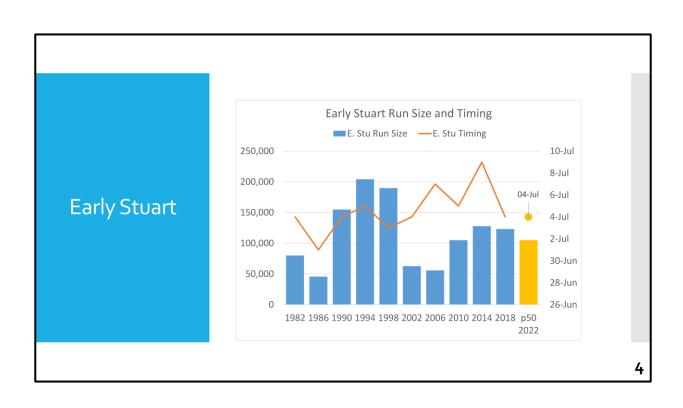
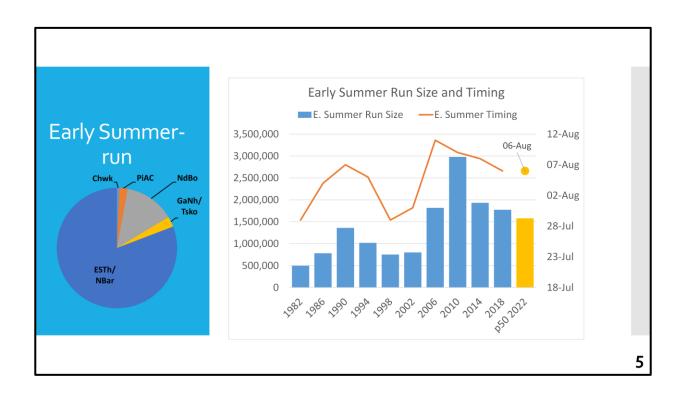
# 2022 Management Considerations Chris Dailey & PSC Staff FRP meeting, February 15-18, 2022

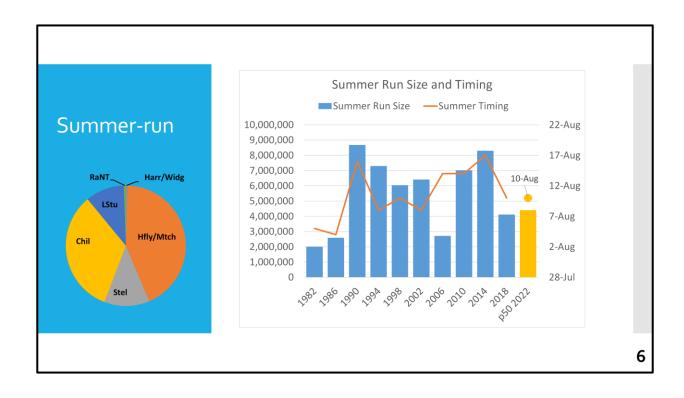


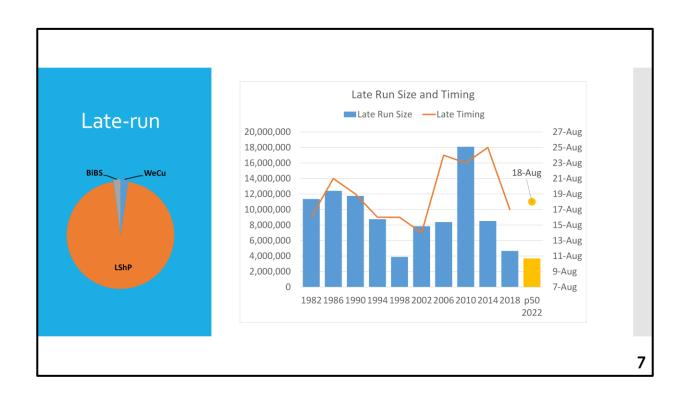


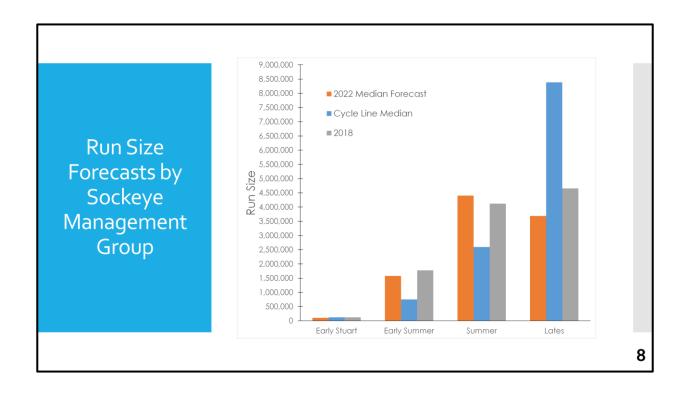


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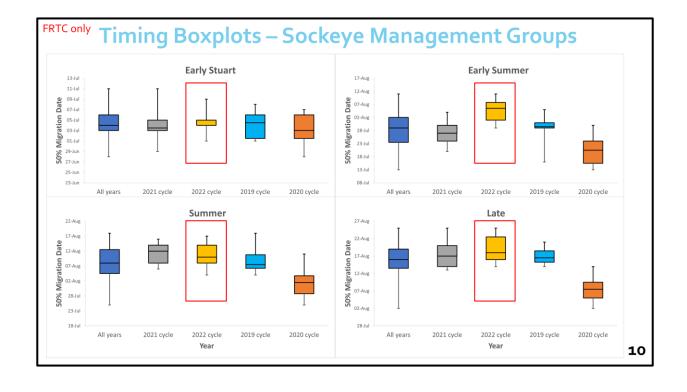








FRTC only Timing and Diversion Rate • Timing estimates based on: 2022 Sockeye All years, or • All years, excluding 2020 cycle, or migration • Cycle line median timing, • Diversion rate based on recent median (1994diversion rate present) and spread Spread (number of days of migration) • Estimated using the same years as for timing 9



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### FRTC only

# Marine Timing Forecast

Group	2022 median timing forecast	Data used to predict timing
Early Stuart	o4-Jul	All years
Early Summer	o6-Aug	
Early Summers excl. ESTh	28-Jul	All years excl. 2020 cycle
Early South Thompson (ESTh)	o8-Aug	Cycle line median
Summer	10-Aug	
Harrison	o6-Aug	All years excl. 2020 cycle
Late Stuart, Stellako	og-Aug	All years excl. 2020 cycle Cycle line median
Chilko, Quesnel	11-Aug	All years excl. 2020 cycle
Raft, North Thompson	18-Aug	All years excl. 2020 cycle
Late	18-Aug	
Birkenhead, Big Silver	19-Aug	Cycle line median
Late Shuswap, Portage Weaver, Cultus	18-Aug	Cycle line median All years excl. 2020 cycle

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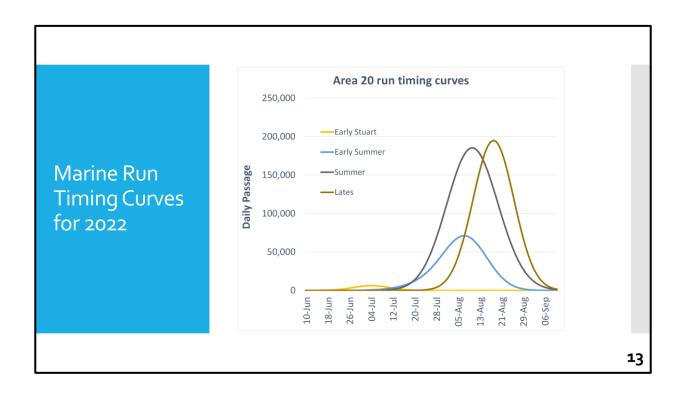
### FRTC only

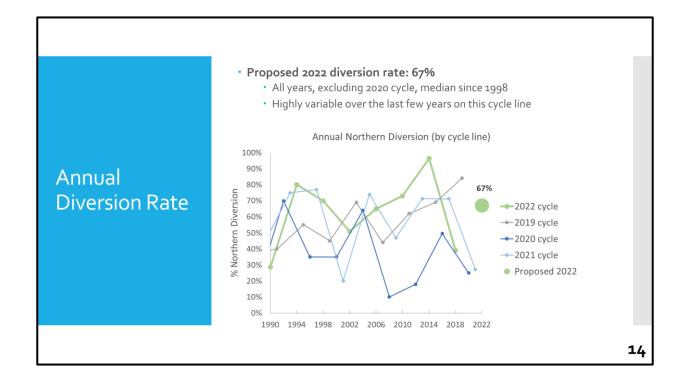
# Forecast of spread of the run

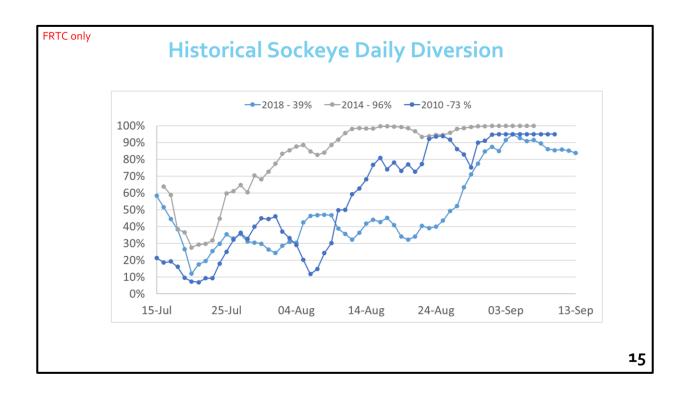
Number of days to encompass 95% run

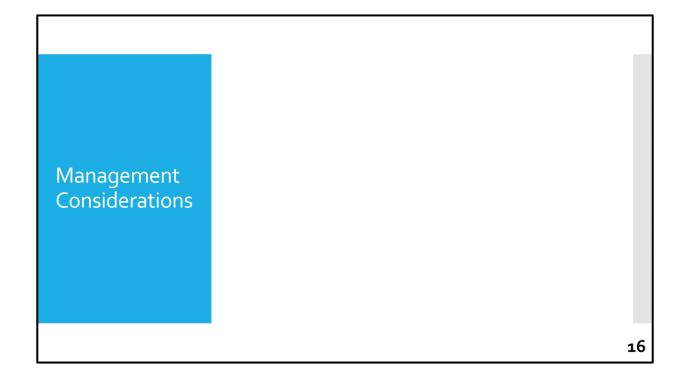
Group	2022 median spread forecast	Data used to predict timing
Early Stuart	26	All years
Early Summer	38	
Early Summers excl. ESTh	39	All years excl. 2020 cycle
Early South Thompson (ESTh)	31	Cycle line median
Summer	37	
Harrison	40	All years excl. 2020 cycle
Late Stuart, Stellako	35	All years excl. 2020 cycle Cycle line median
Chilko, Quesnel	38	All years excl. 2020 cycle
Raft, North Thompson	40	All years excl. 2020 cycle
Late	30	
Birkenhead, Big Silver	32	Cycle line median
Late Shuswap, Portage Weaver, Cultus	30	Cycle line median All years excl. 2020 cycle

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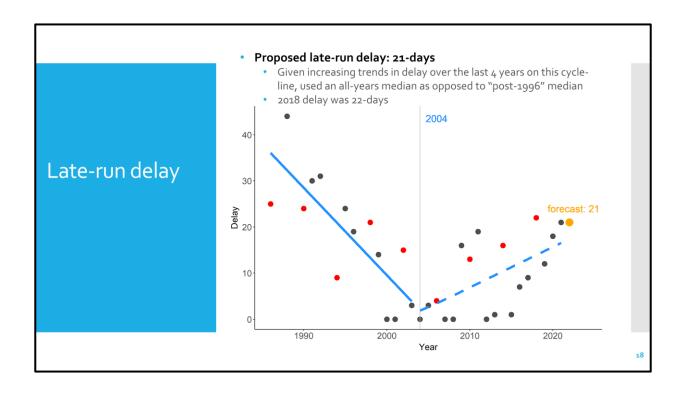


# **Preliminary DBE forecasts**

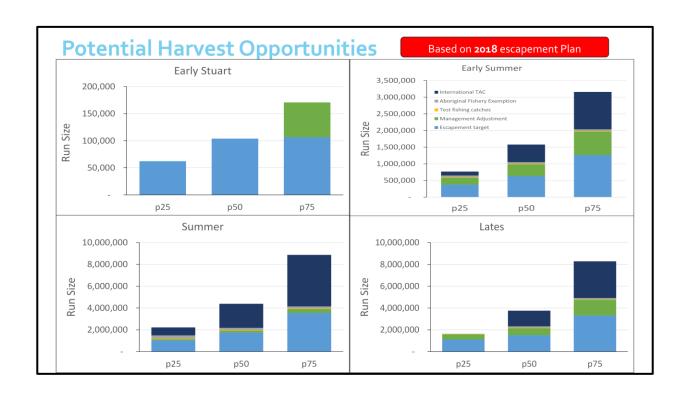
February Planning values pDBE	рМА
-0.47	0.89
-0.31	0.45
-0.06	0.06
-0.18	0.22
	values pDBE -0.47 -0.31

<sup>\*</sup> The potential impacts of Big Bar have not been incorporated in these estimates. Early Stuart and early timing Early Summer run stocks may however experience increased en route losses if discharge levels early in the season exceed 2021 levels.

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	P50 Forecast	TAM	SET	рМА	MA	Harvestable Surplus <sup>1</sup>	Allowable ER
Early Stuart	105,000	0%	105,000	0.89	93,500	0	10%
arly Summer	1,579,000	60%	631,600	0.45	283,800	663,600	42%
Summer	4,403,000	60%	1,761,200	0.06	112,400	2,529,400	57%
Late	3,688,000	60%	1,475,200	0.22	323,800	1,889,000	51%
otal sockeye	9,775,000		3,973,000			5,092,500	

### 2022 summary

- Late Shuswap, Quesnel, Chilko and Early South Thompson dominate the return, as is typical on this cycle.
- Early Stuart will likely be managed under a LAER.
- Early Summer run and Summer run stocks are unlikely to be forced into a LAER given the currently assumed preliminary 2018 escapement plan.
- For Late run, the assumed MA may force this group into a LAER for returns below the p50 forecast.
- There will likely be international TAC for Early Summer and Summer-run sockeye, but this is more uncertain for Late run.

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