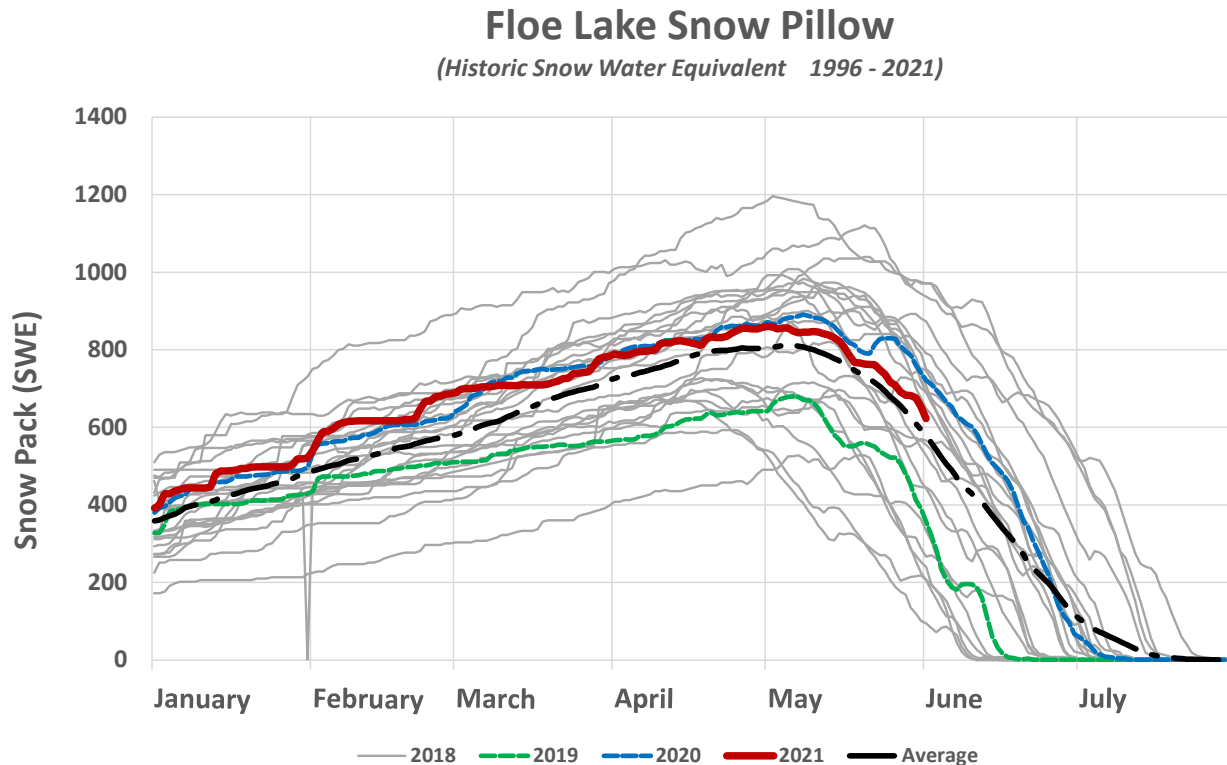


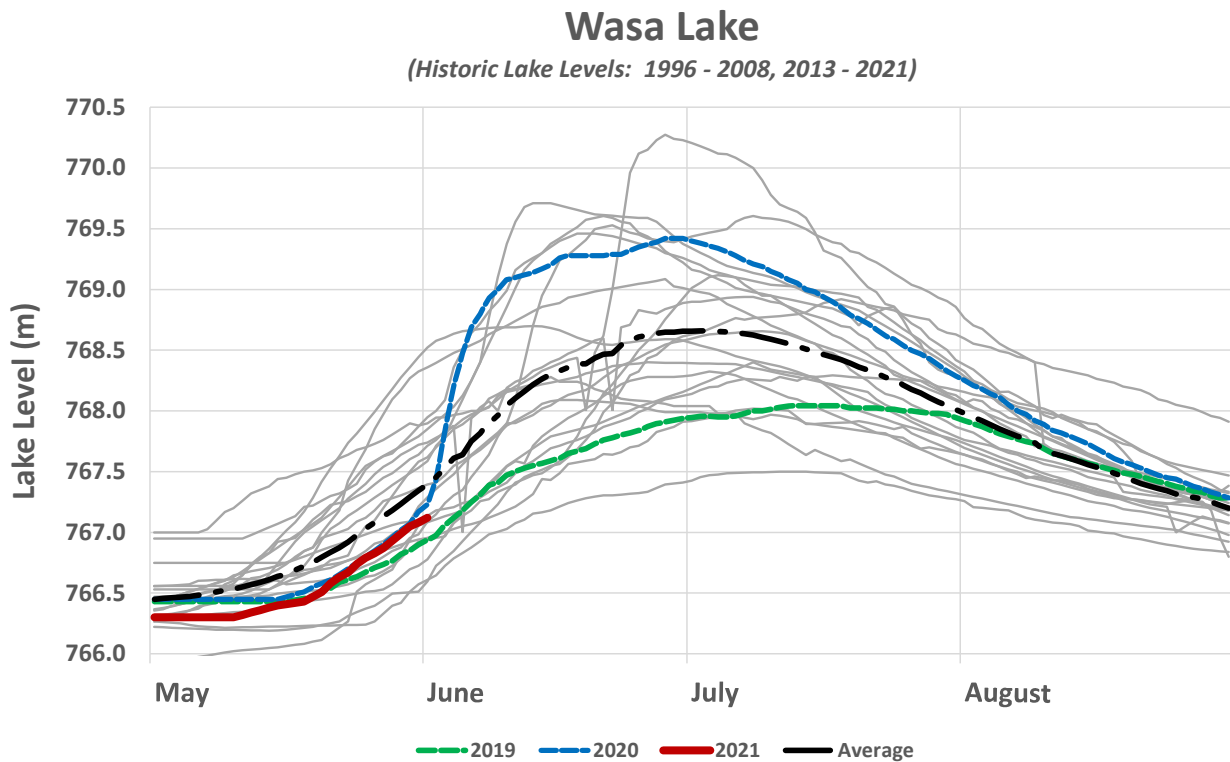
WLLID 2021 Water Forecast

The WLLID uses historic water level data from Wasa lake, Kootenay River and Floe Lake snow pack. The forecast is based on June 1, 2021 data.

Regarding lake levels this summer, Floe Lake snowpack is running fairly close to a long term average for this time of year. Last year (2020) water levels were a bit higher, however as you can see, in 2019 Floe Lake was well below average (see graph).



Water level rise on the lake is a bit delayed relative to history, however that should pick up across June. The actual shape of the increase (and the peak also) will be highly dependent on a combination of the rainfall and temperature across the month (very limited predictability).



From the Floe Snowpack coupled with Lake level regression plot, we (on average) would expect to see a peak that is marginally below average at about 768.73 m. There is a range of outcomes however based on the upcoming June weather. Based on historic variability, we could say that we would have about a 10% likelihood of the peak being below 768.25 m, and a 10% likelihood of the peak being above 769.25 m.

Wasa Lake Seasonal Peak Water Level Estimate (Year: 2021)

$$y = 1x + 2E-07$$
$$R^2 = 0.5928$$

