

# Cushman Reservoir Operations

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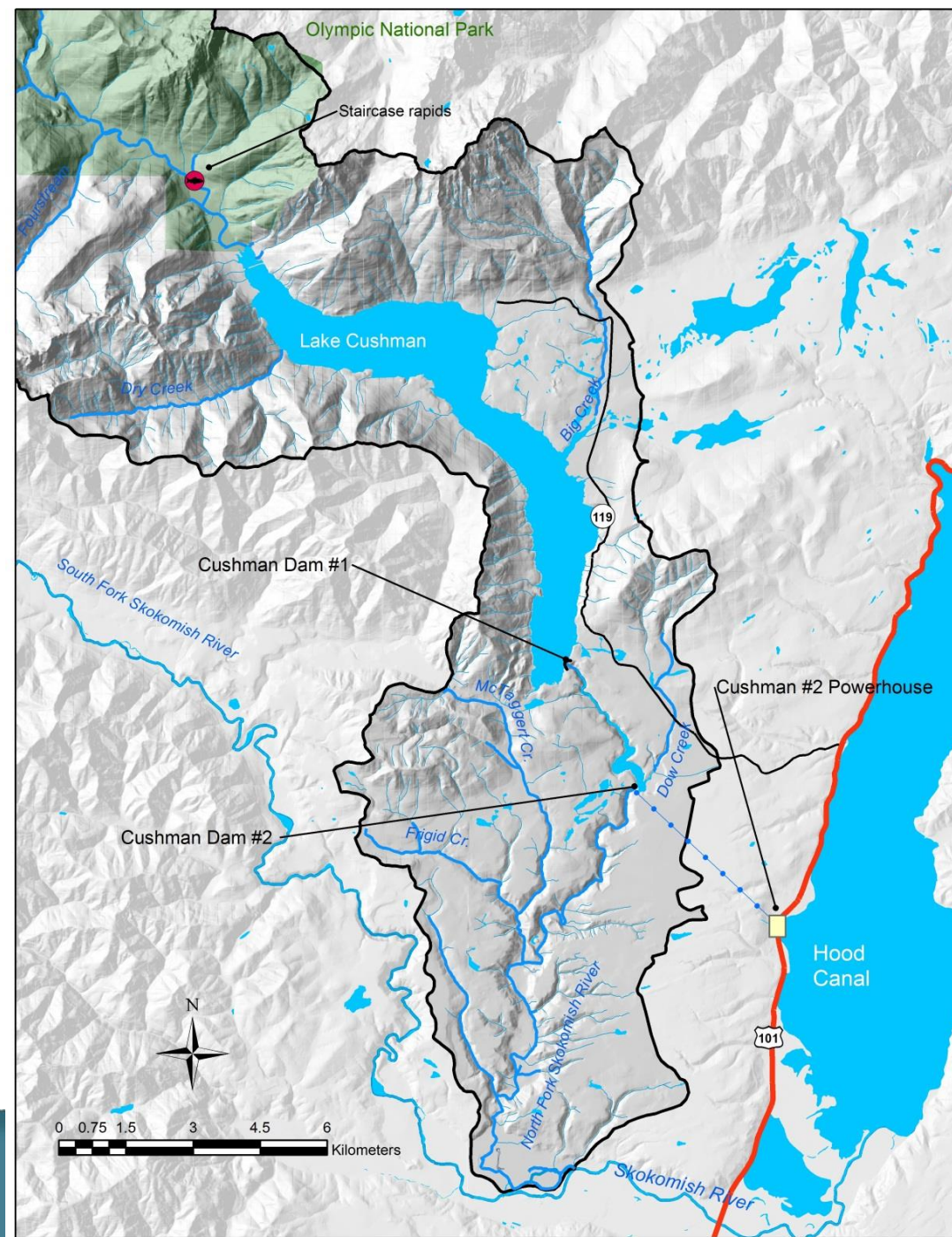
# Cushman Reservoirs

- Historic Lake Cushman
- Cushman dams were built in 1924-30, created Lake Kokanee and increased Lake Cushman (~5 fold)
- Diverted most/all water from Lake Kokanee to Hood Canal
- Federal operating license expired in '70s
- New Cushman license in 2010

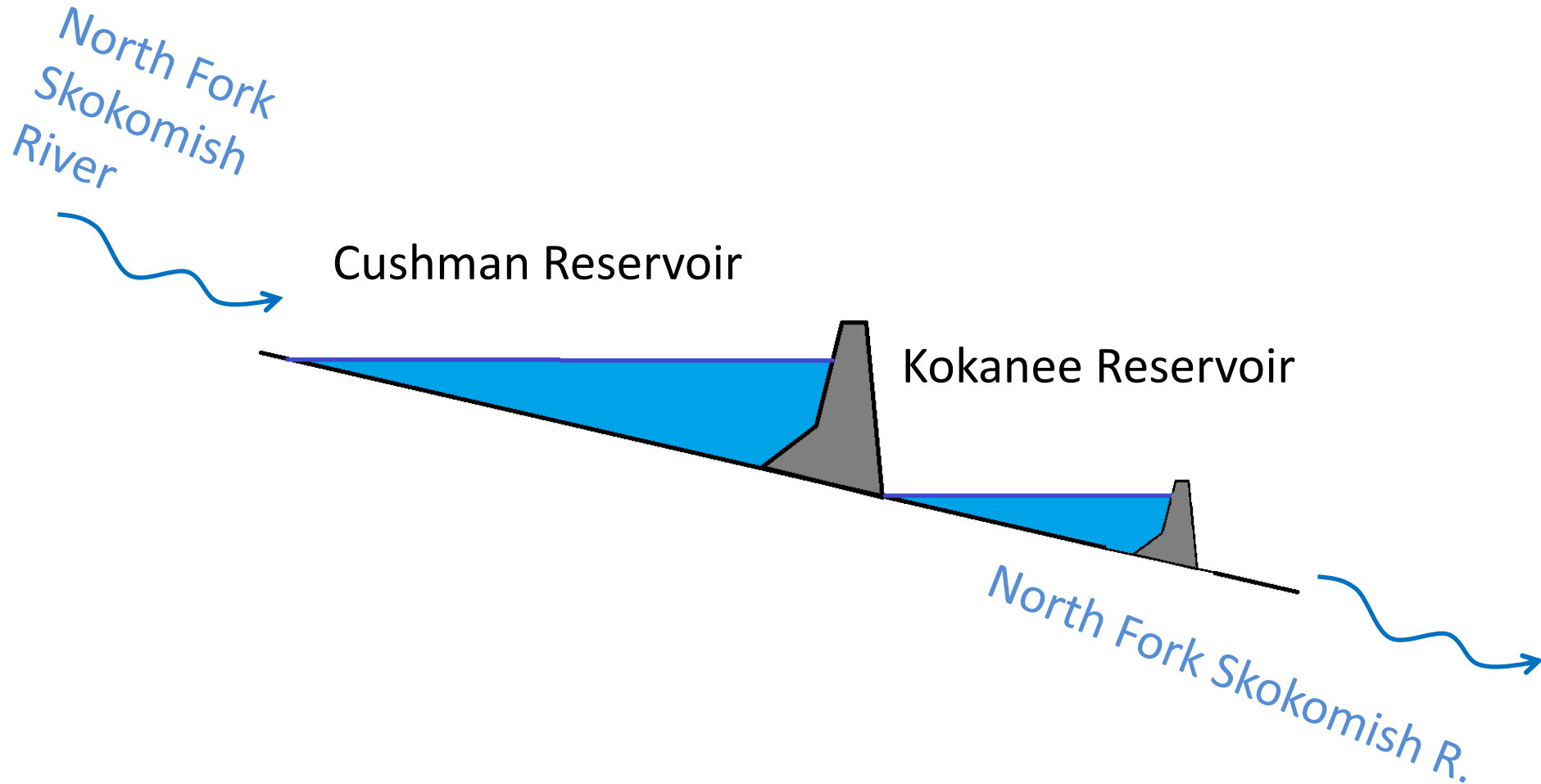
# Cushman Reservoirs

New 38-year license includes elements to:

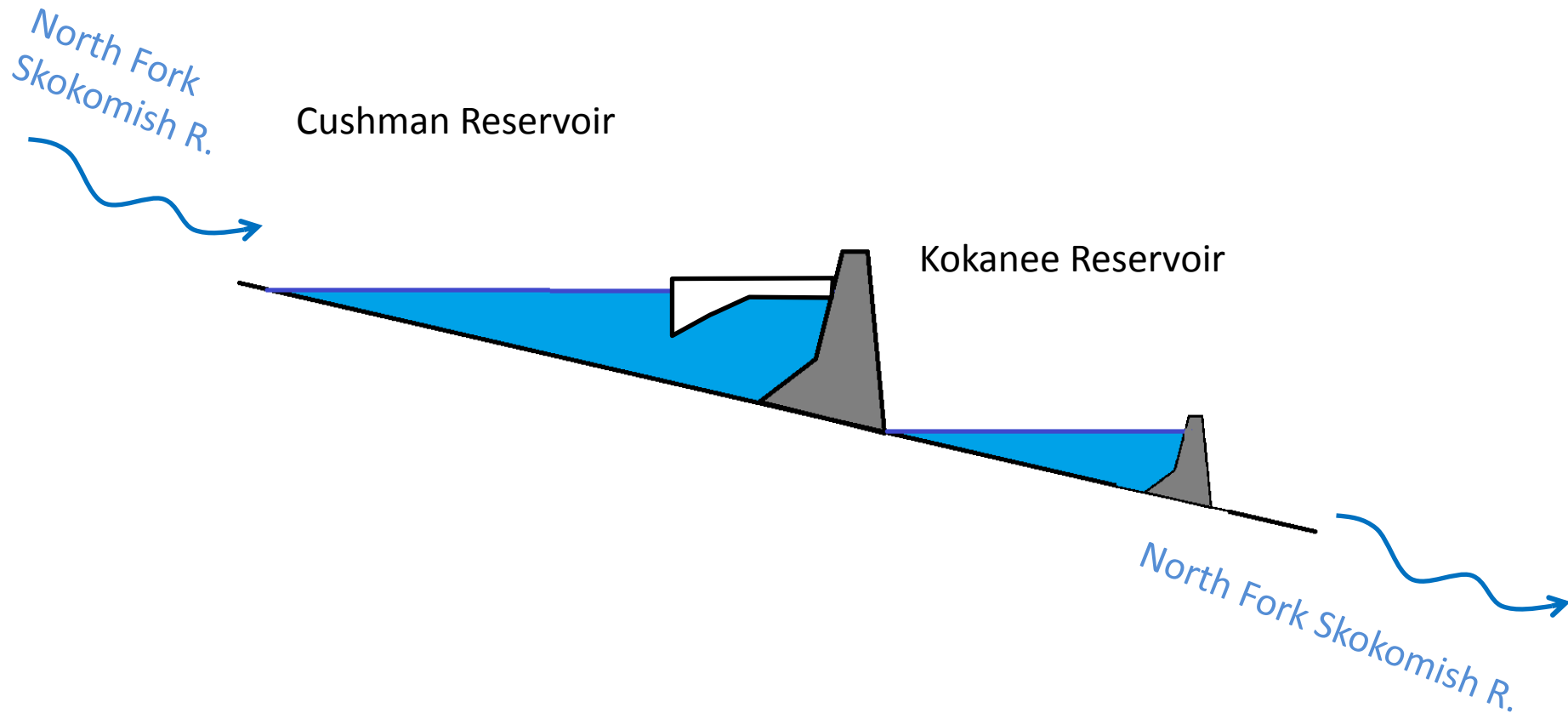
- re-establish anadromous salmon into reservoir and the upper NF Skokomish River basin
- manage reservoir shoreline
- monitor reservoir productivity, water temperature and fish populations
- manage reservoir levels and debris
- many other elements



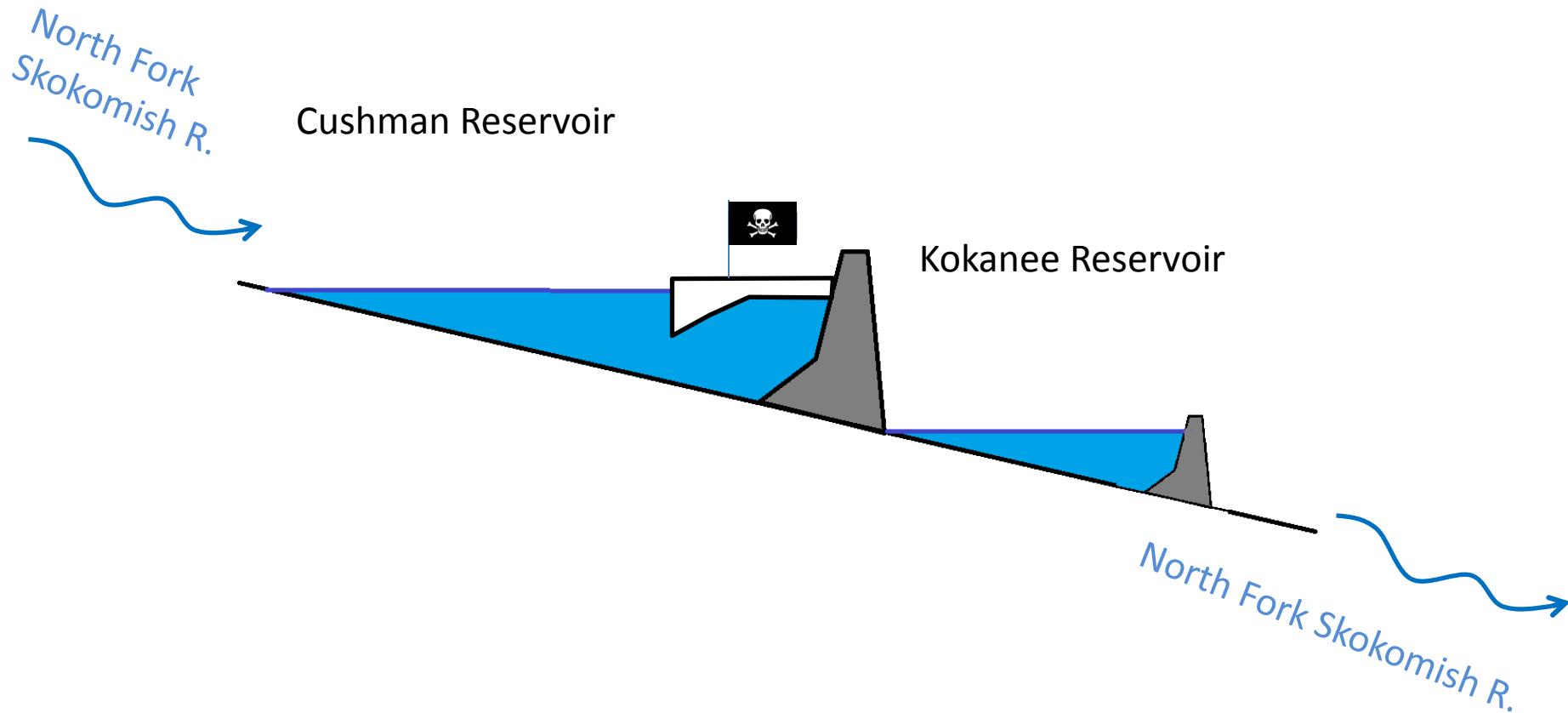
# Reservoirs at a Glance



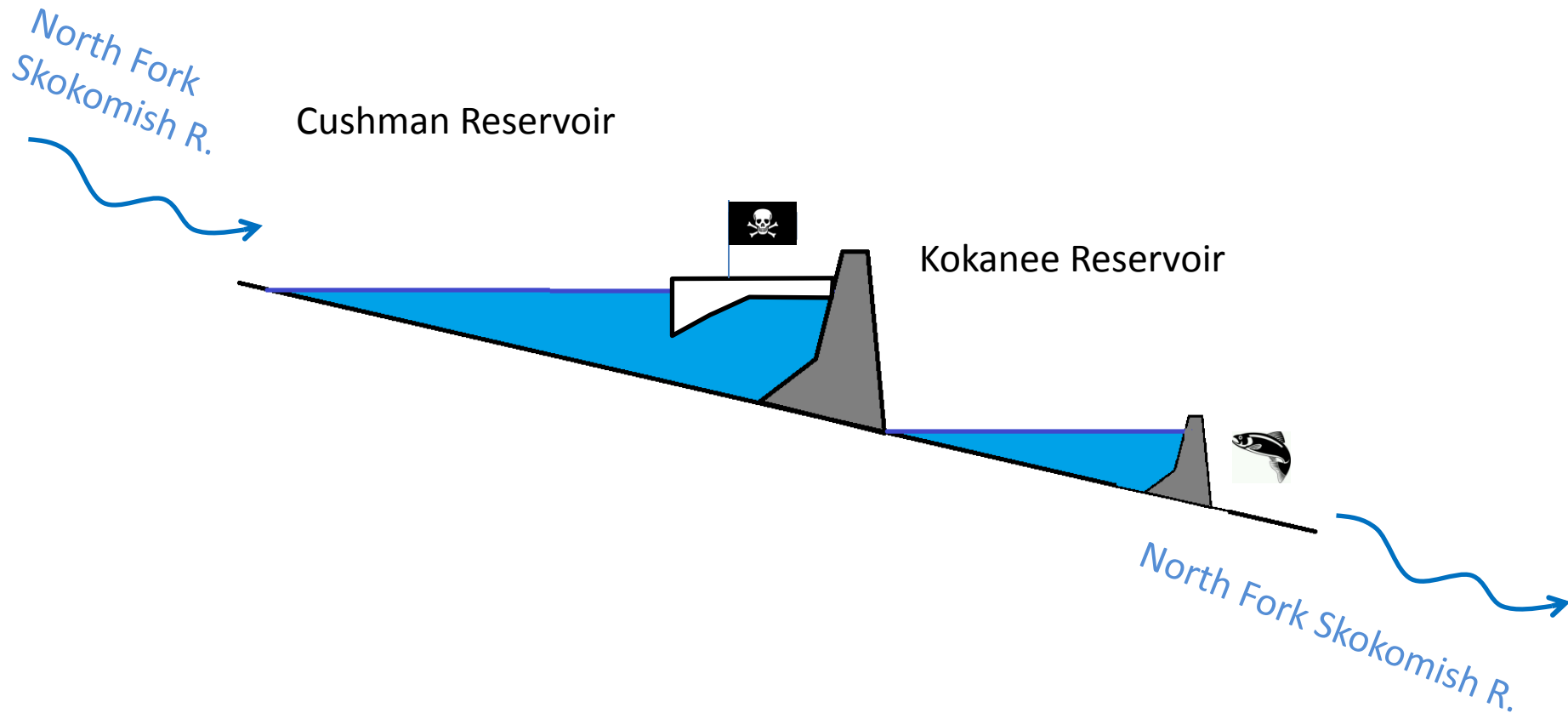
# Reservoirs at a Glance – Fish Passage



# Reservoirs at a Glance – Fish Passage

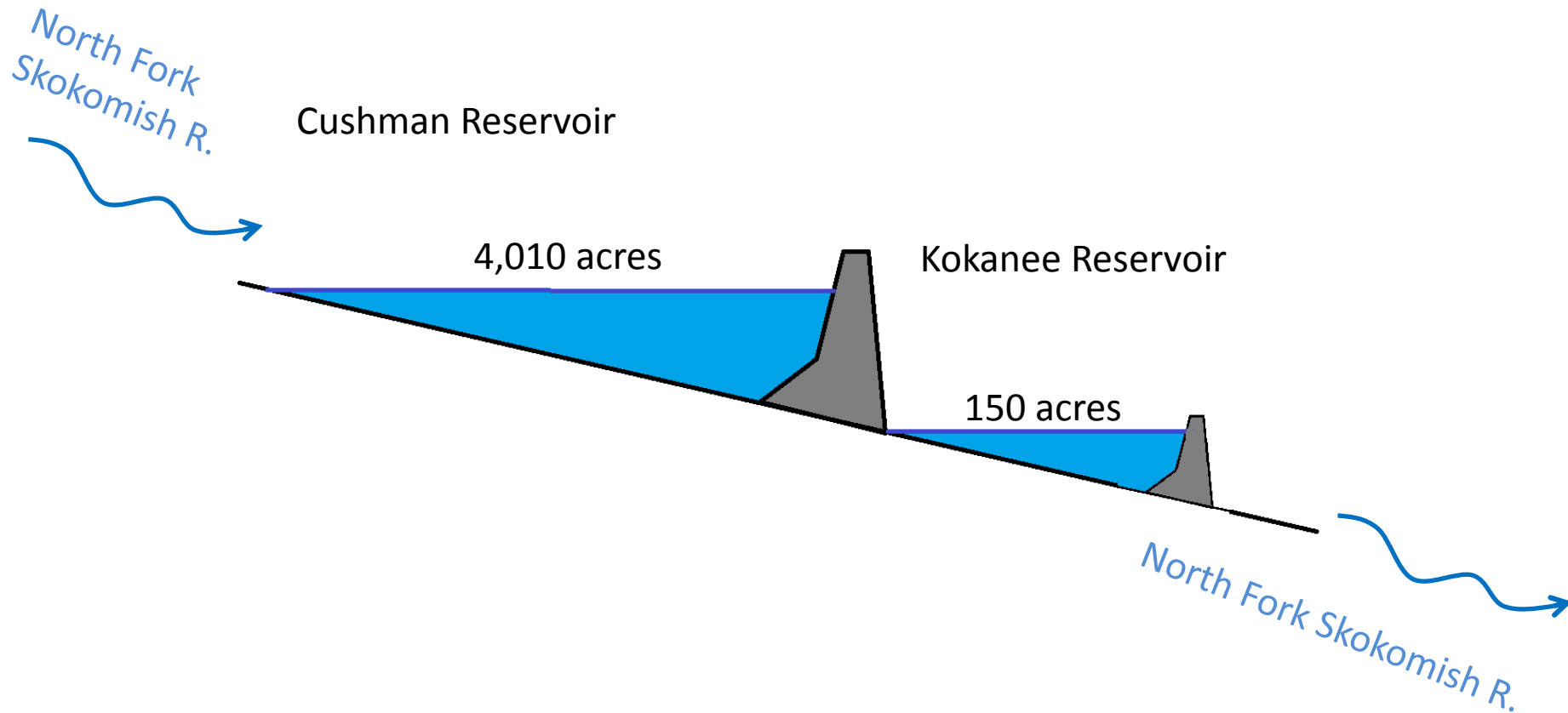


# Reservoirs at a Glance – Fish Passage

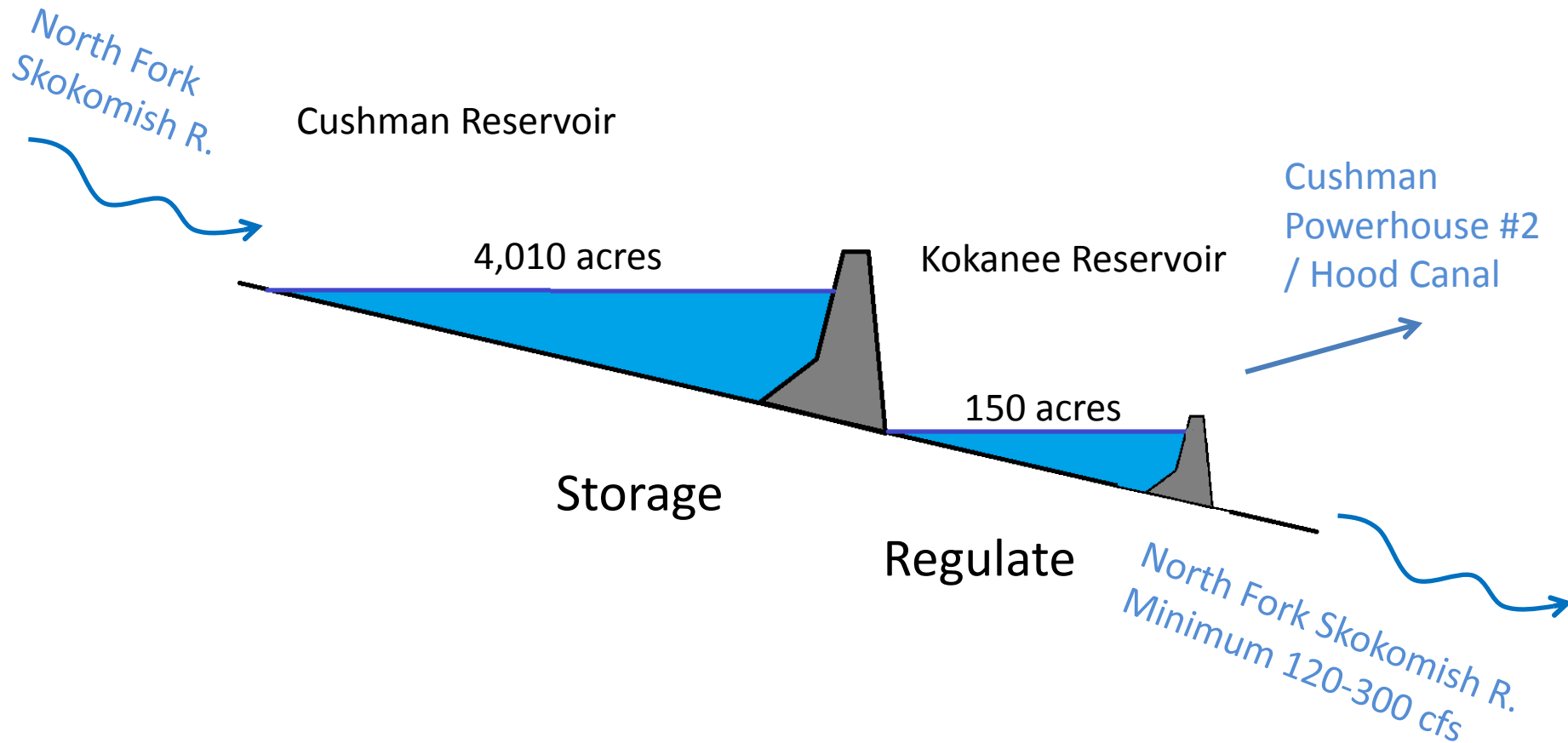




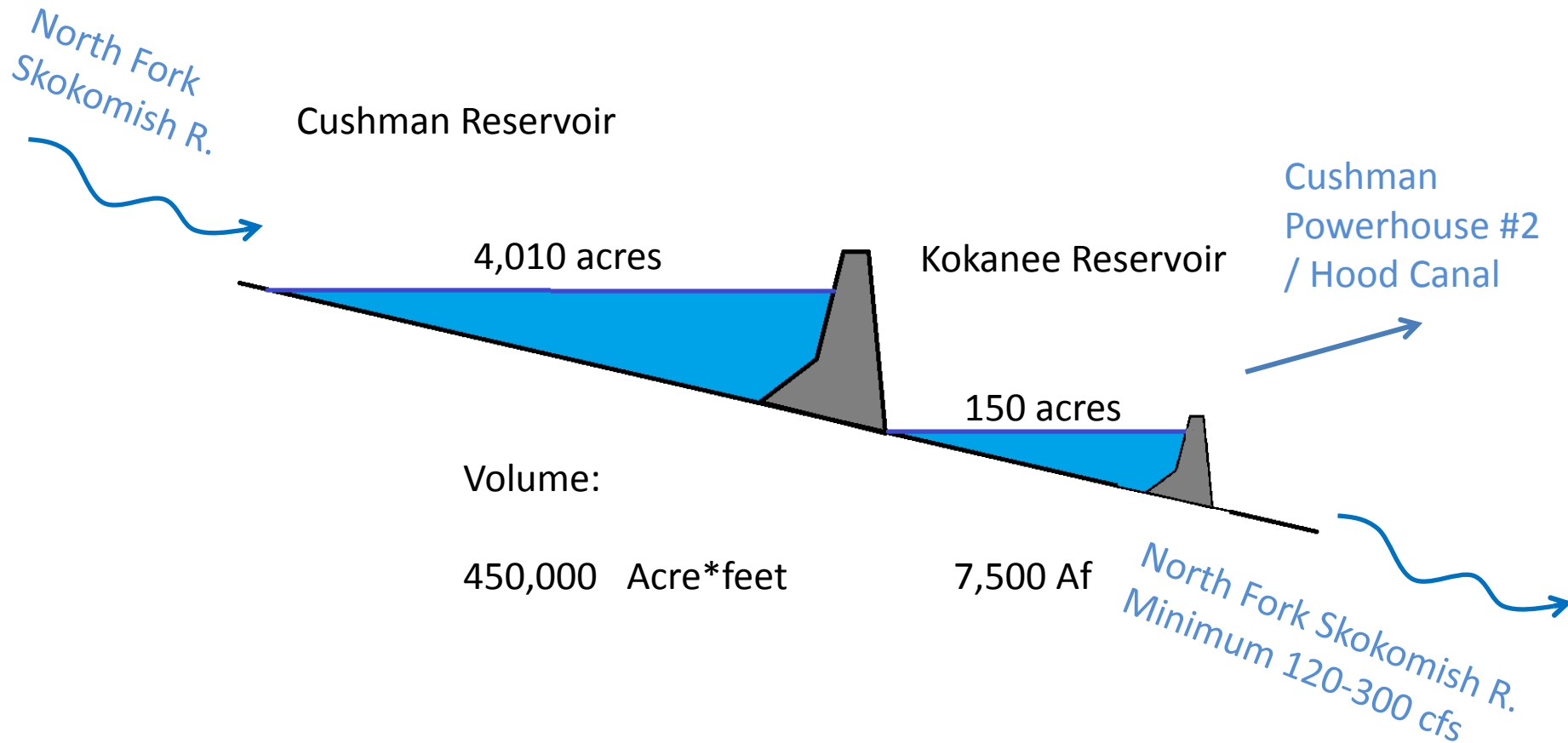
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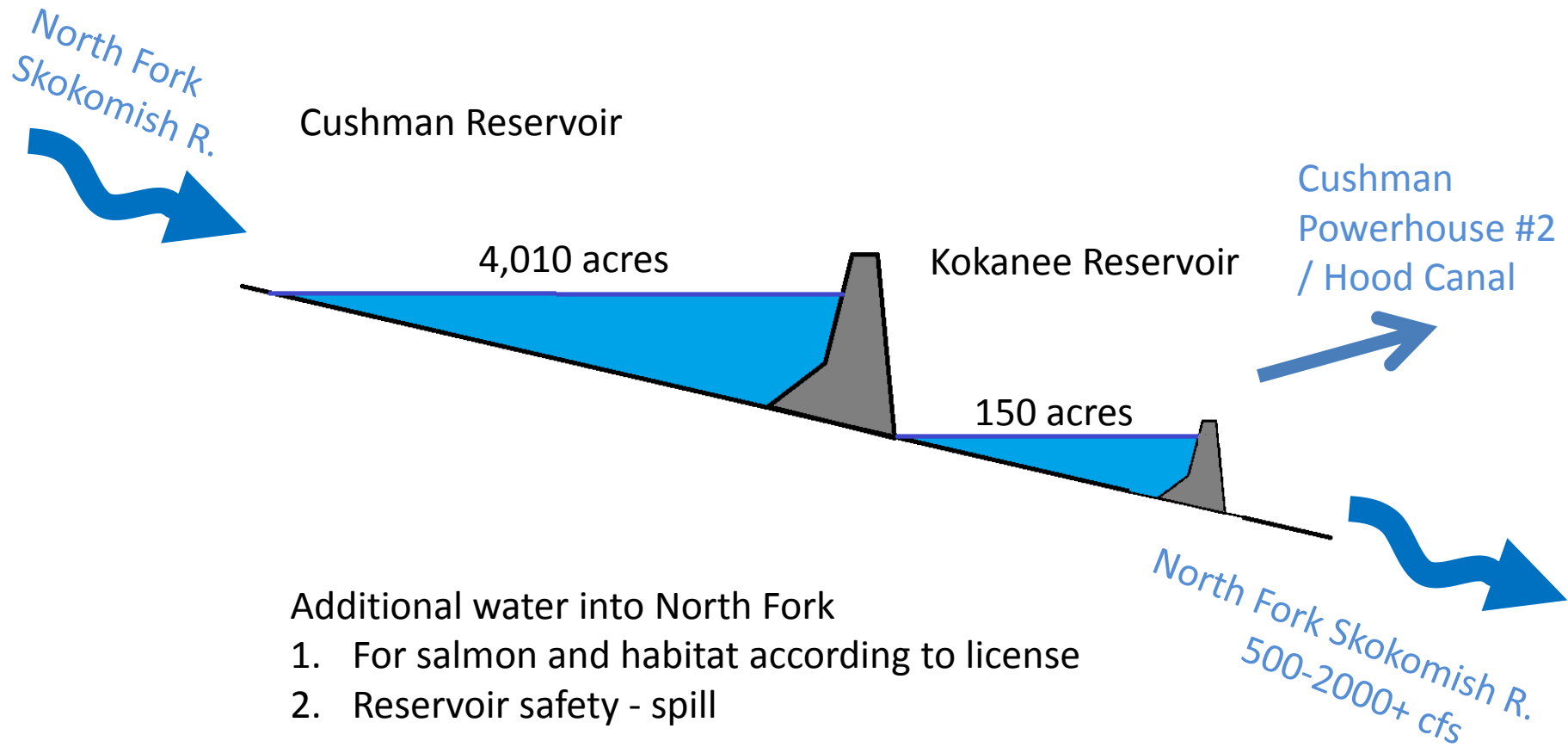
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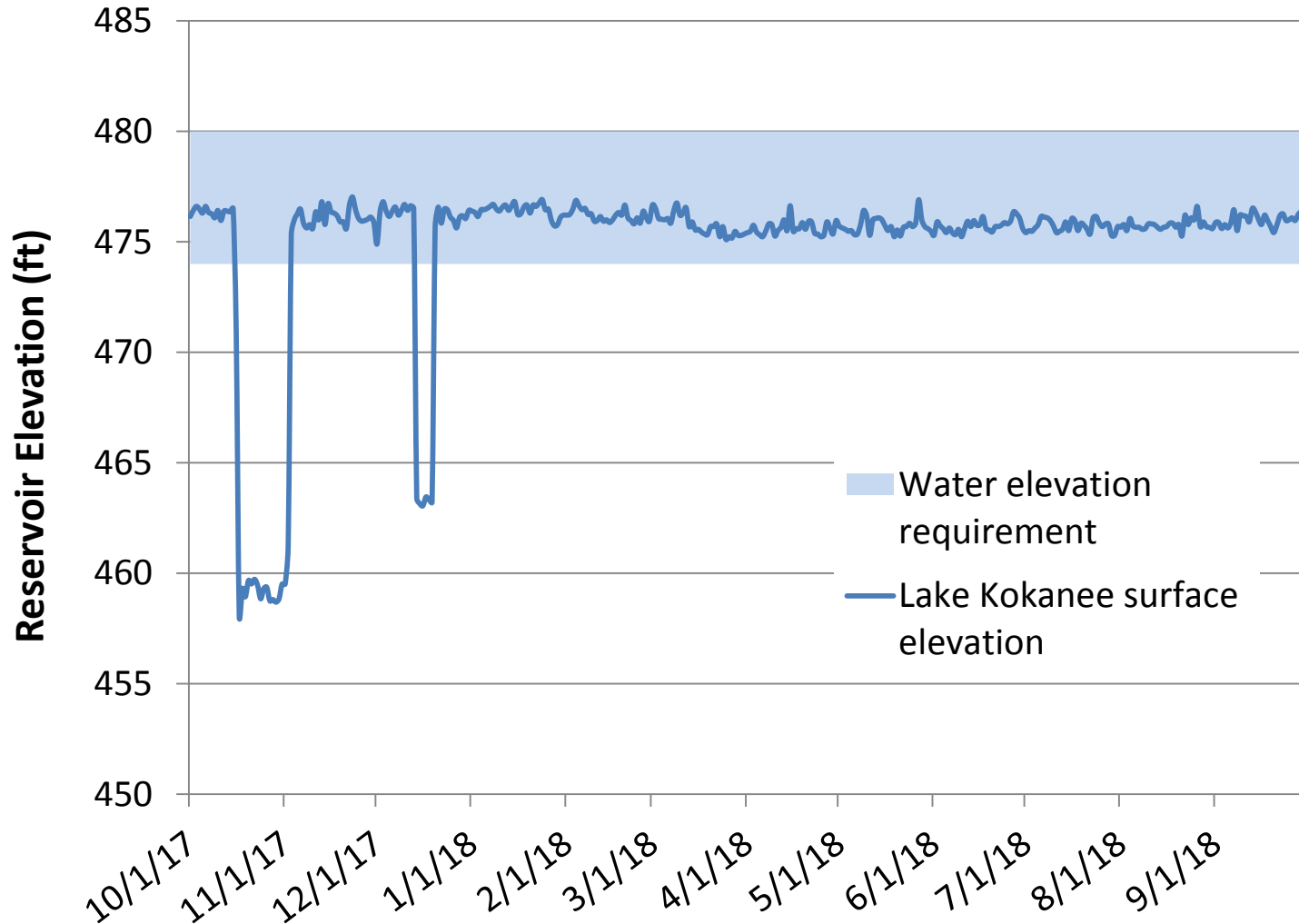
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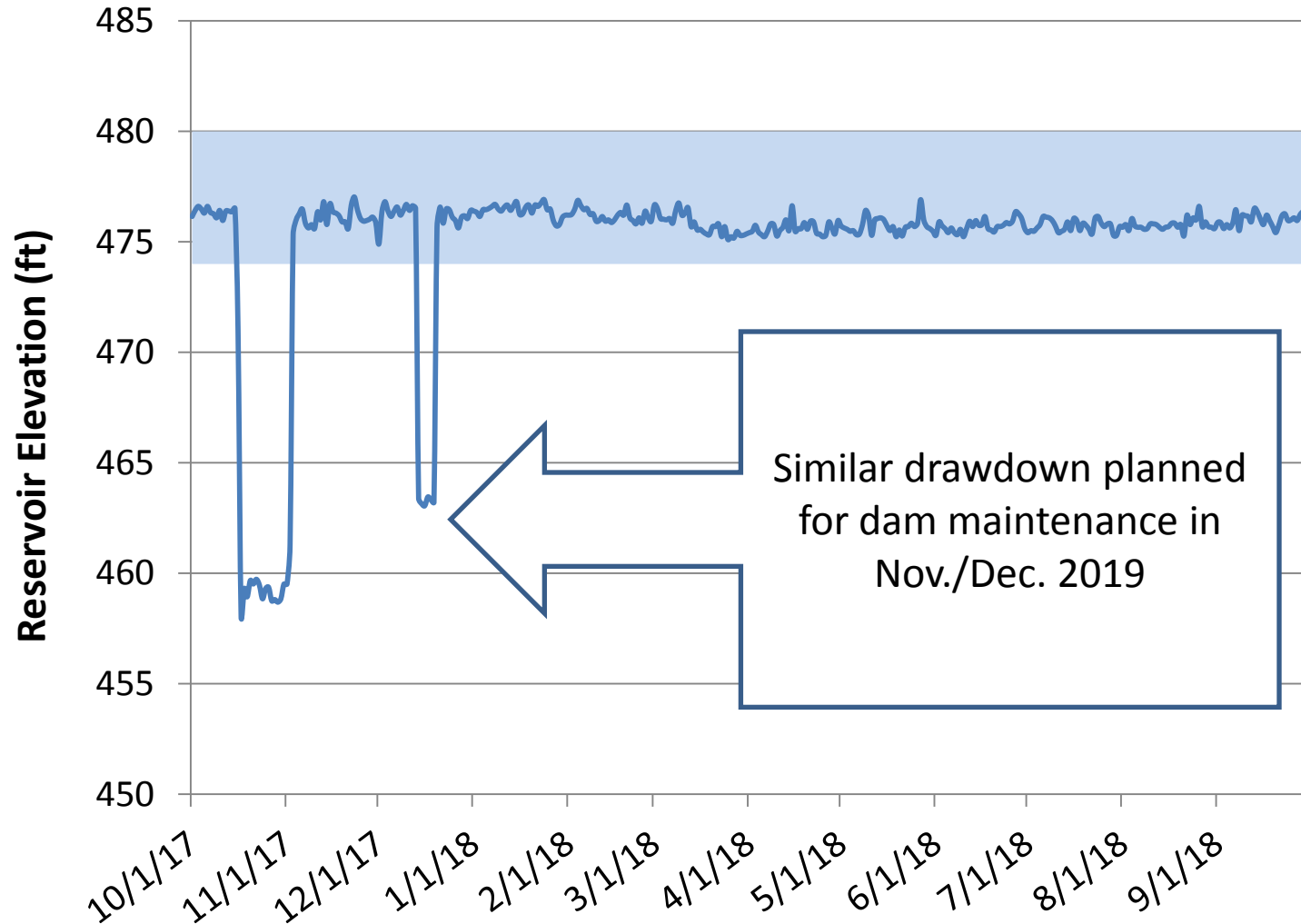
# Reservoirs at a Glance



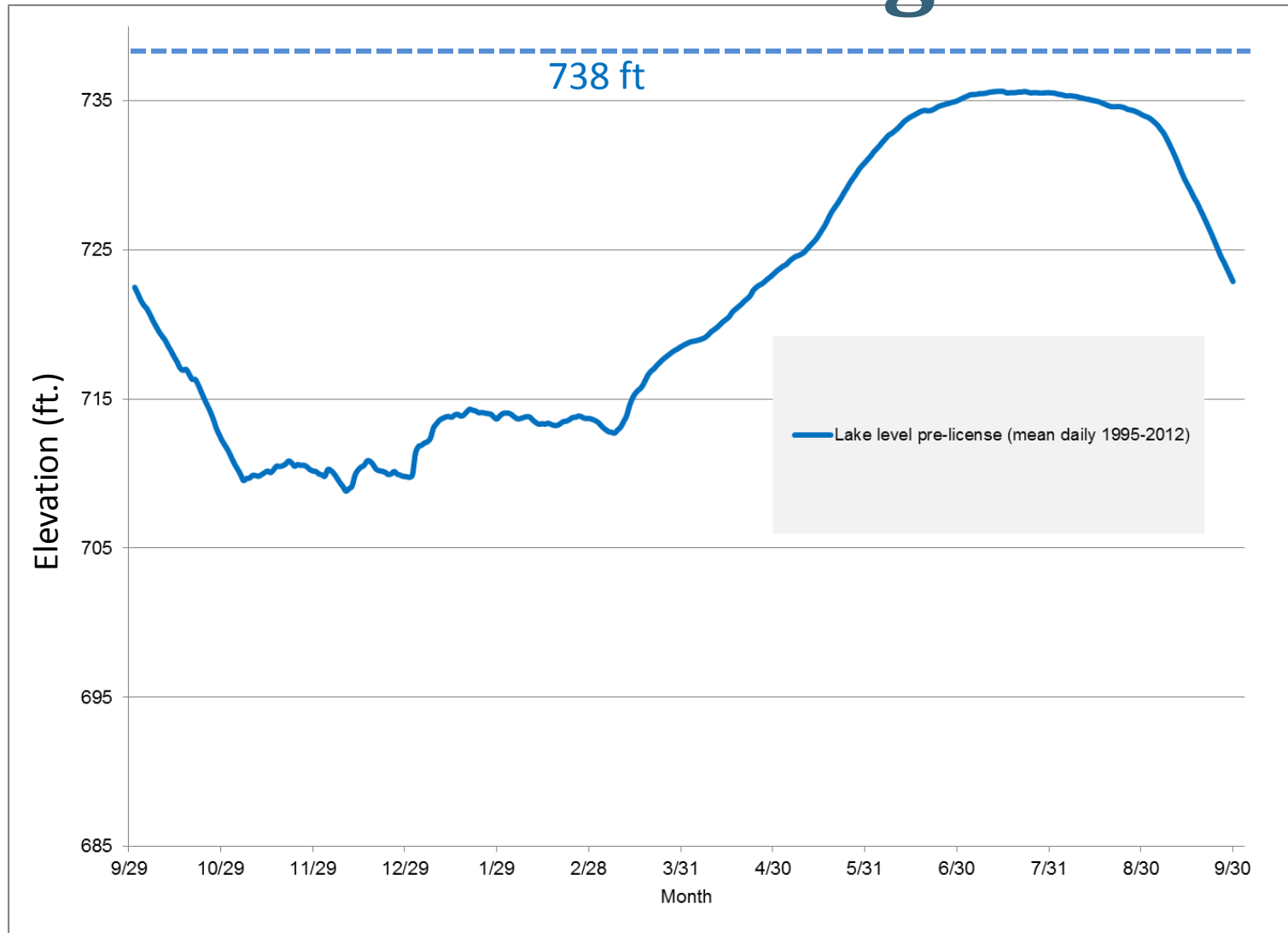
# Reservoir Management – Lake Kokanee



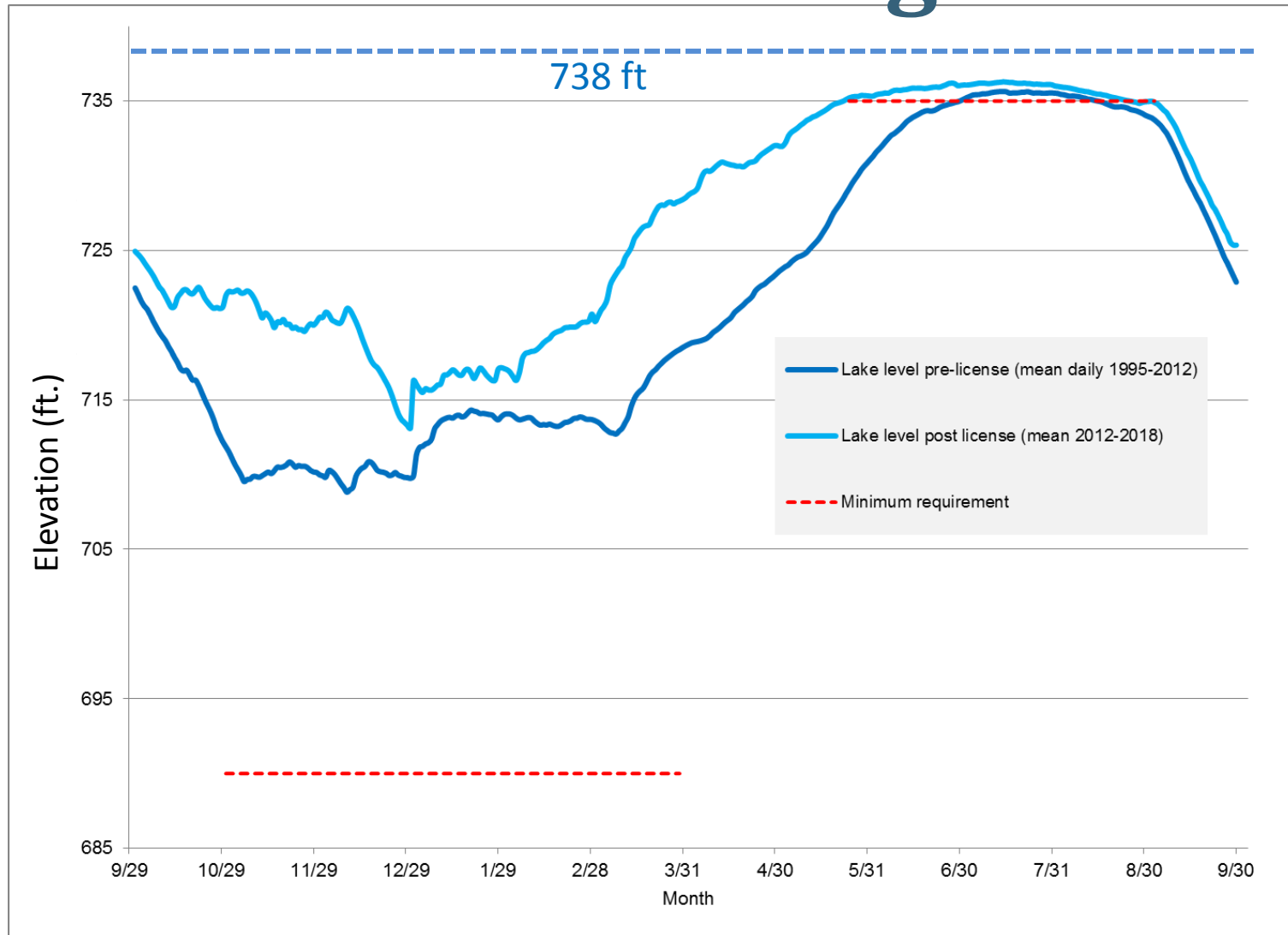
# Reservoir management – Lake Kokanee



# Lake Cushman Management

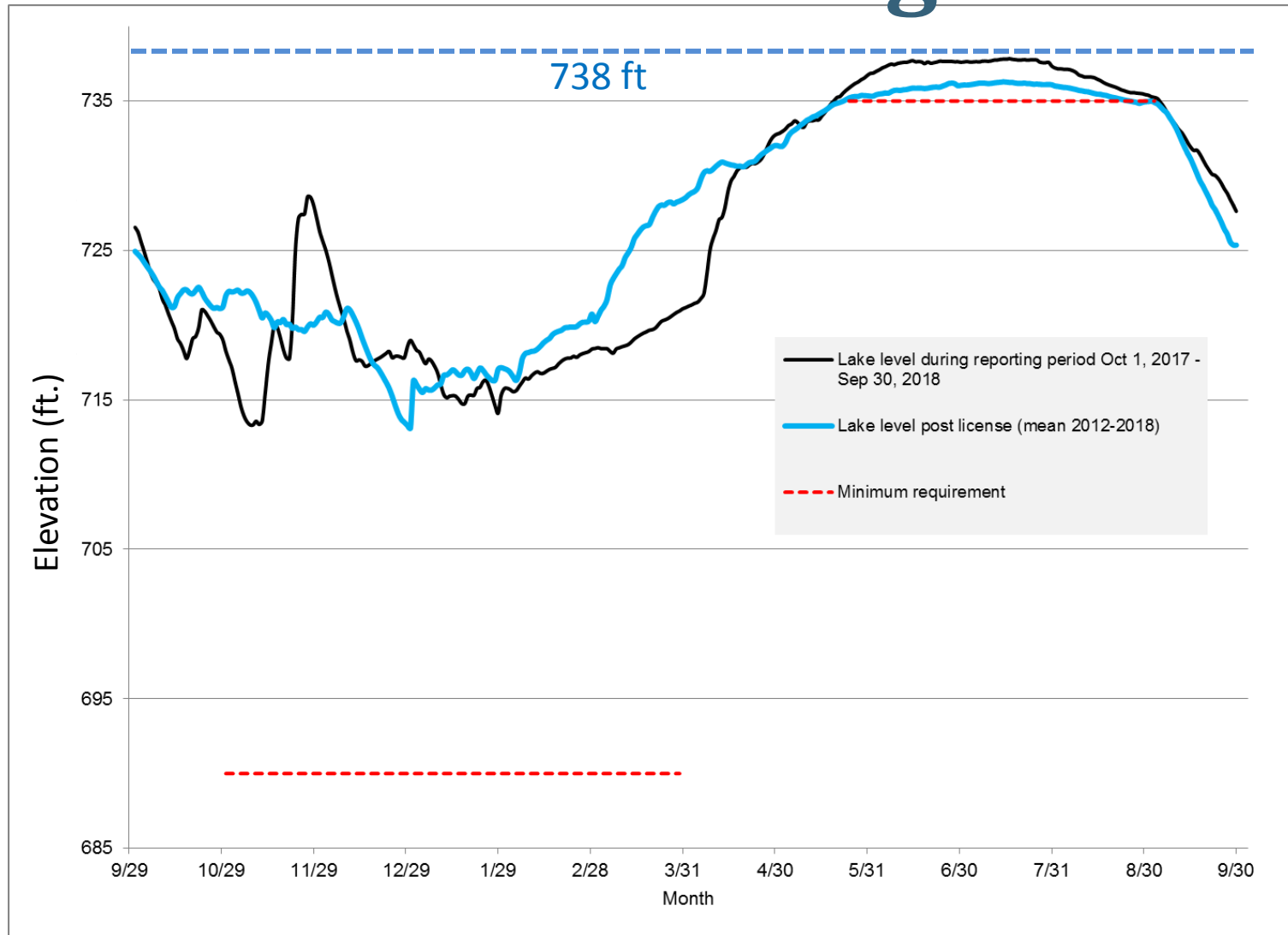


# Lake Cushman Management

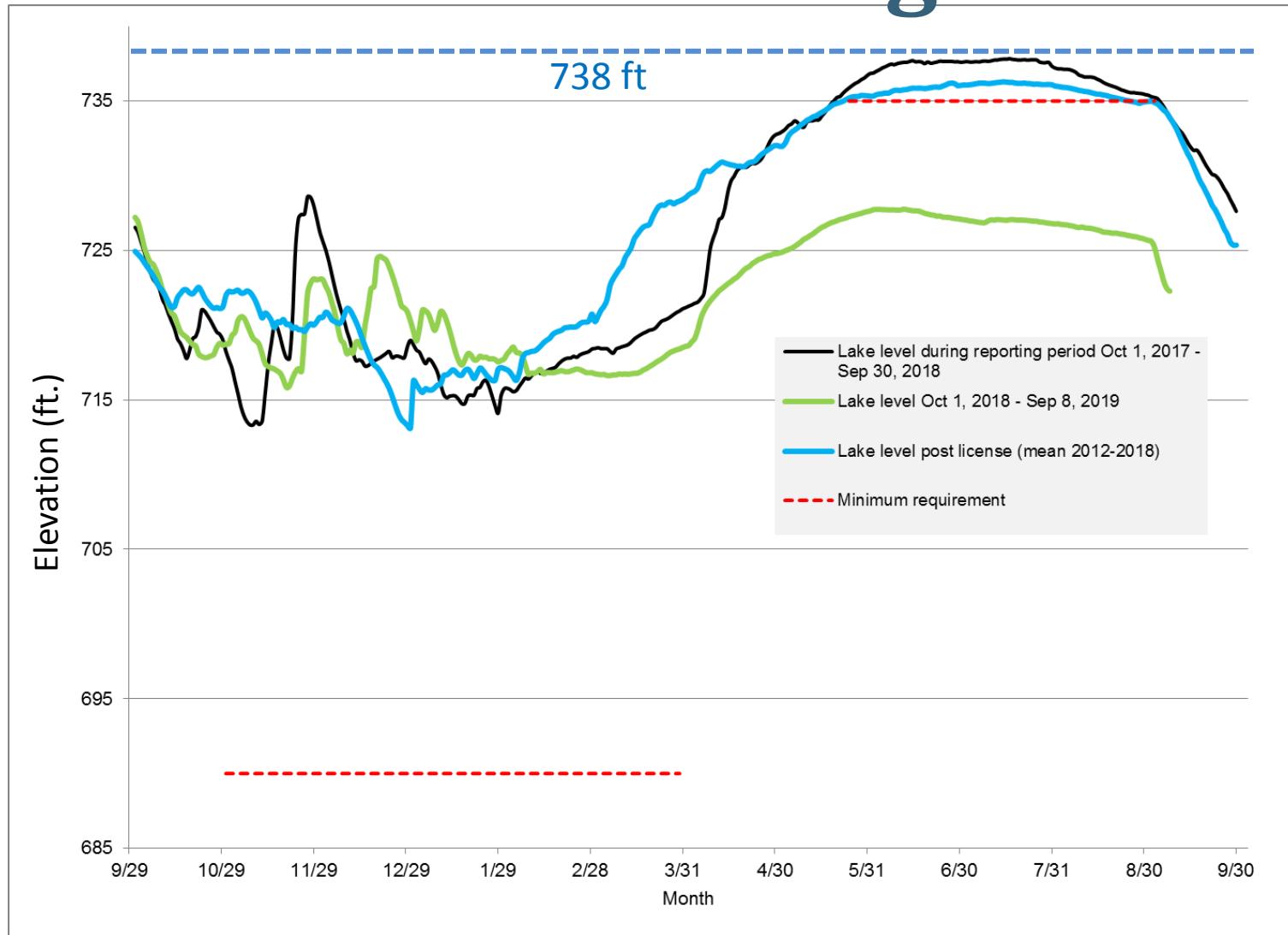




# Lake Cushman Management



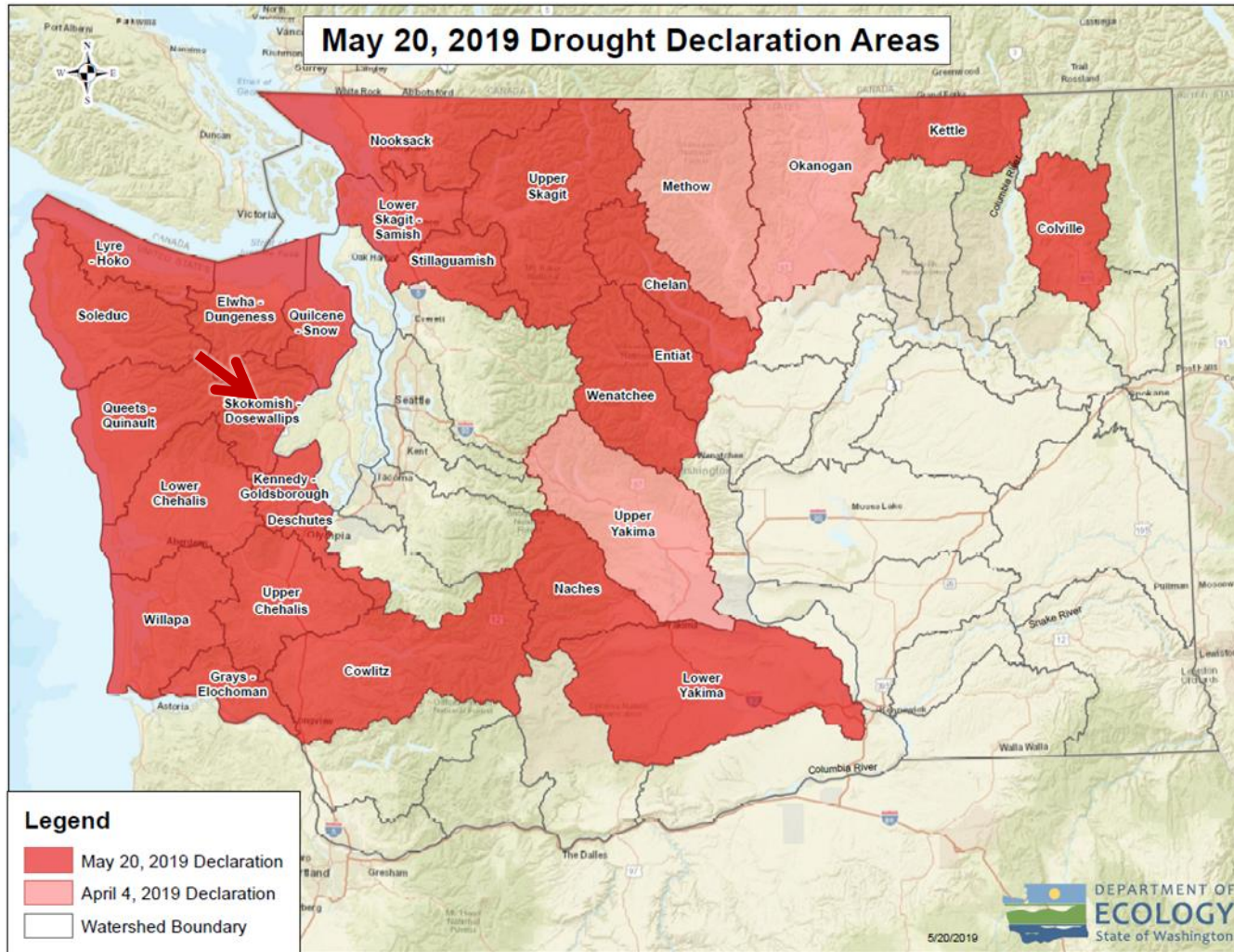
# Lake Cushman Management



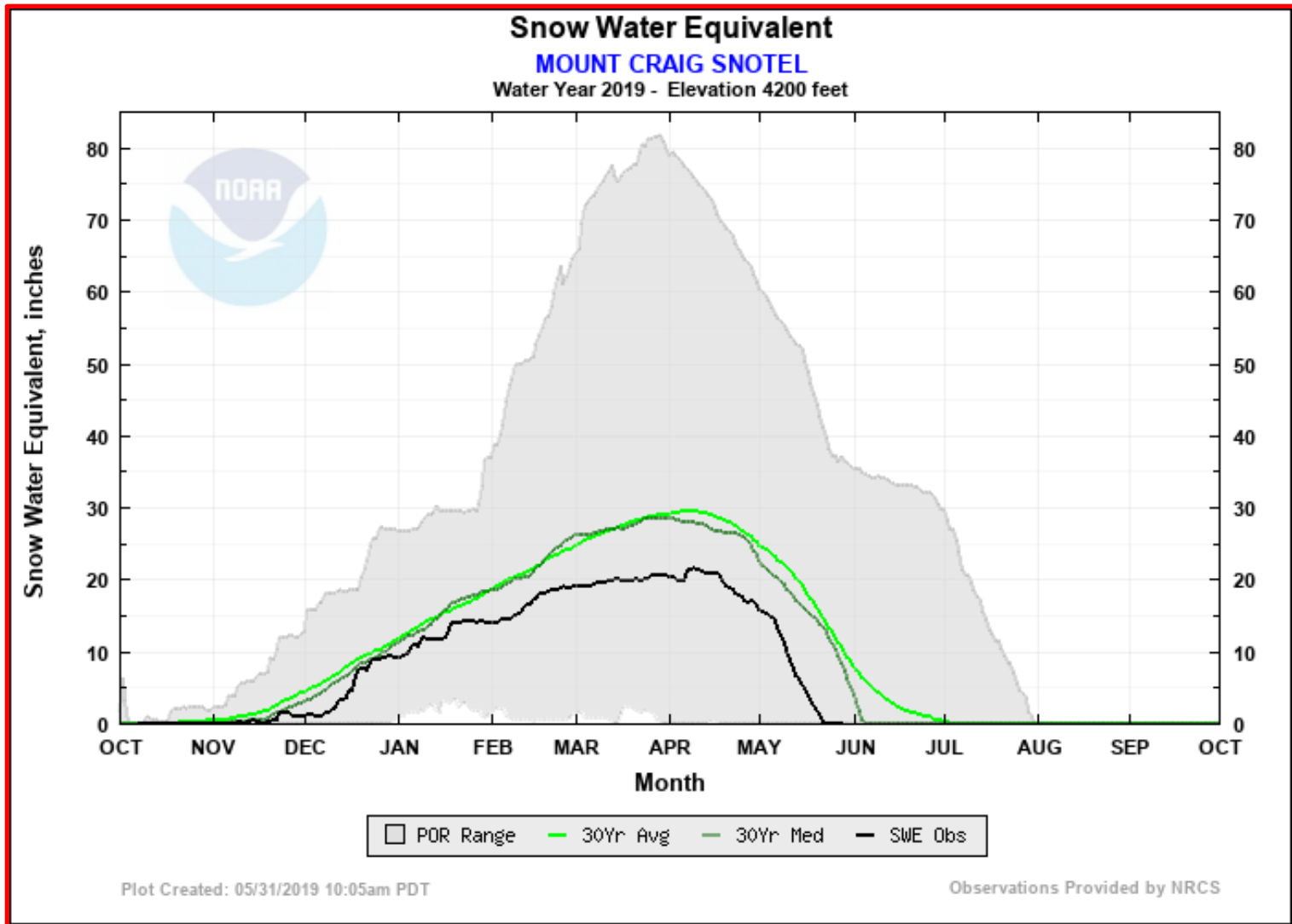




# Drought 2019

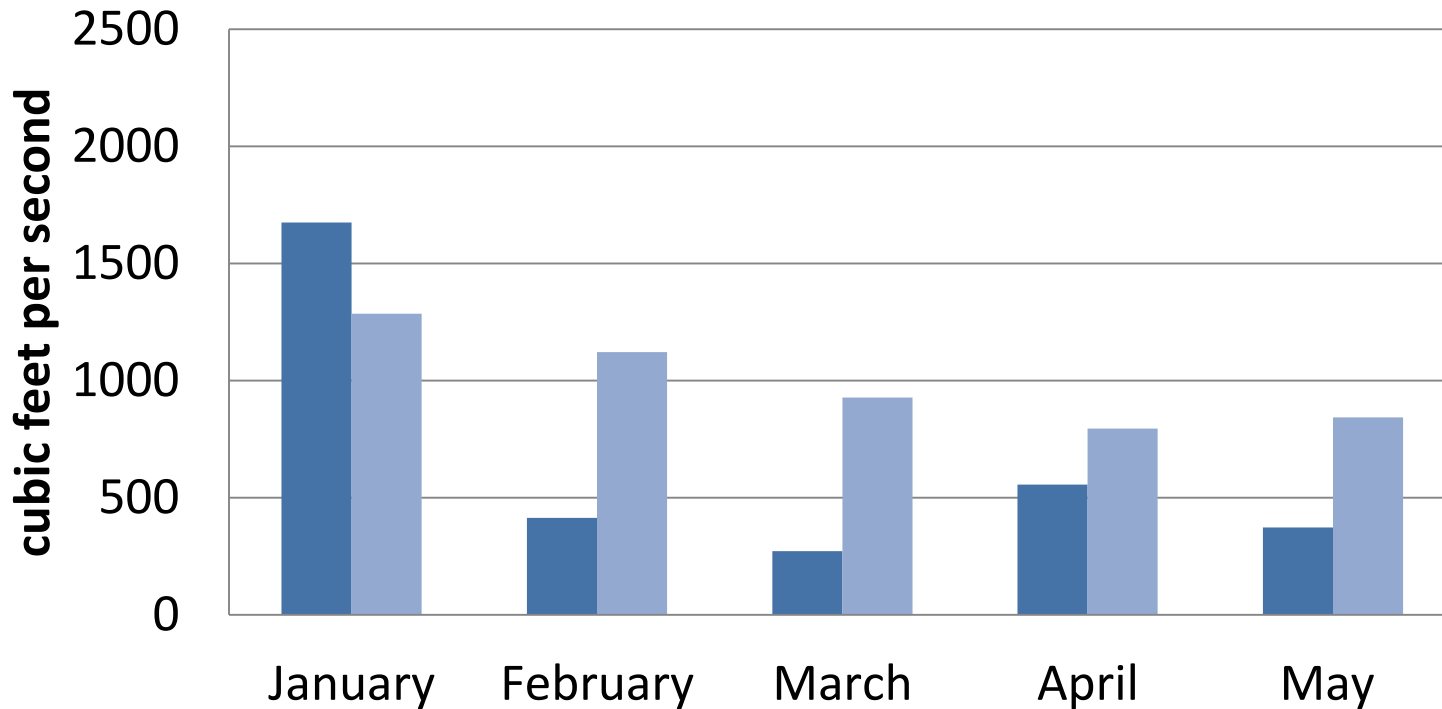


# Drought 2019



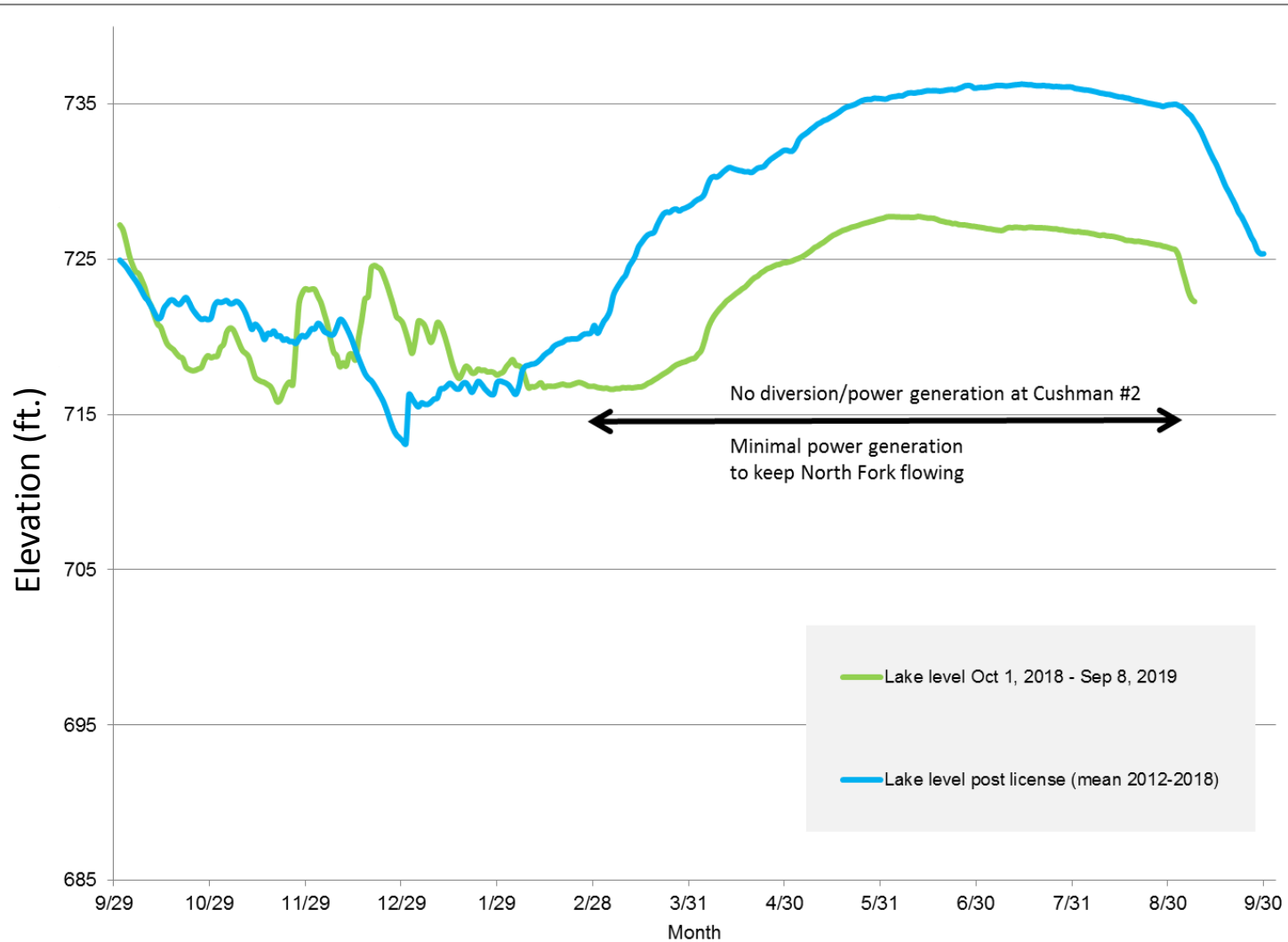
# Drought 2019

## Monthly inflows (cfs) into Lake Cushman (2019)

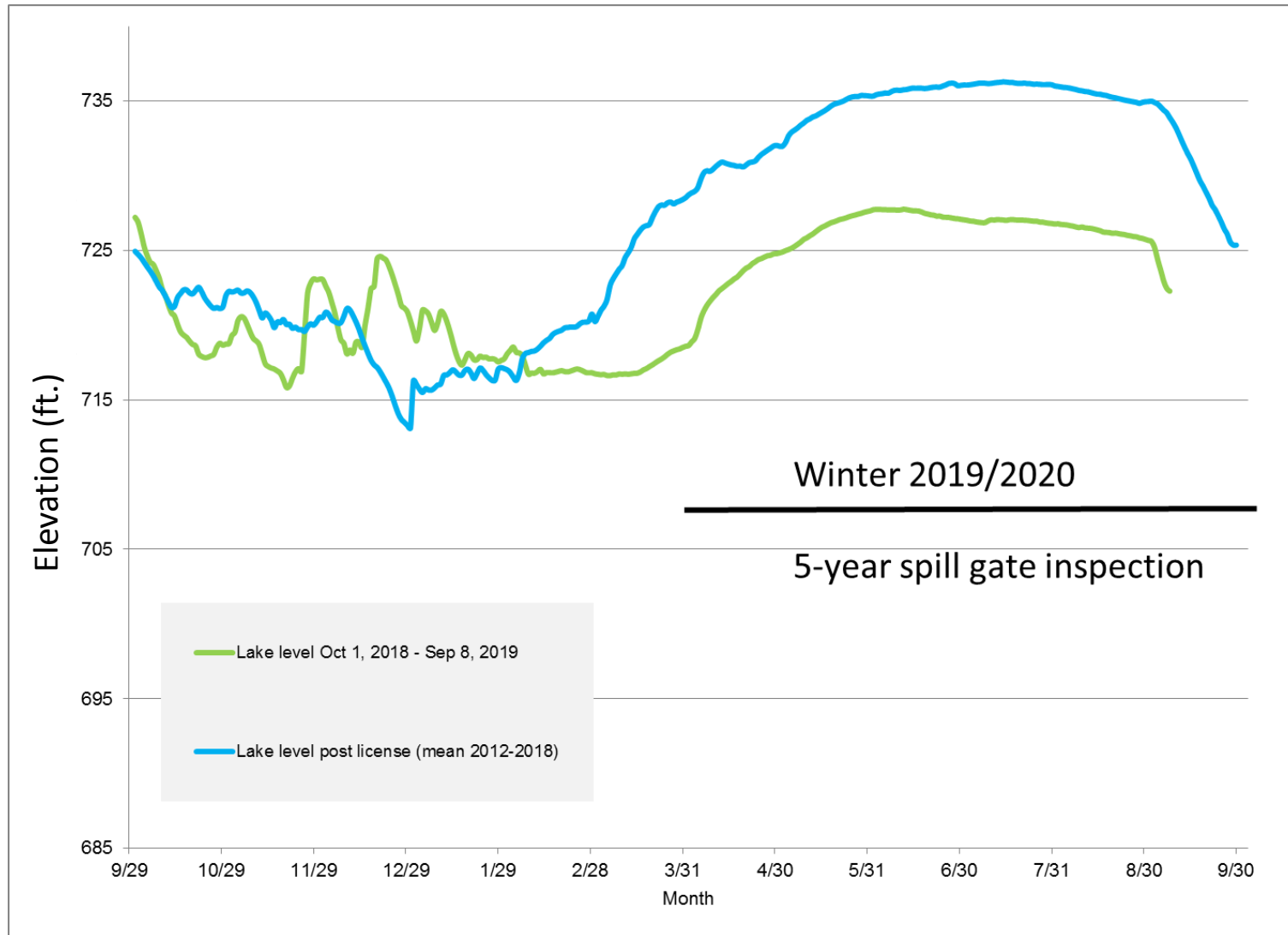


Dark Blue = 2019; Light Blue = Average

# Drought 2019



# Lake Cushman Management





# Lake Debris Management





# Lake Debris Management

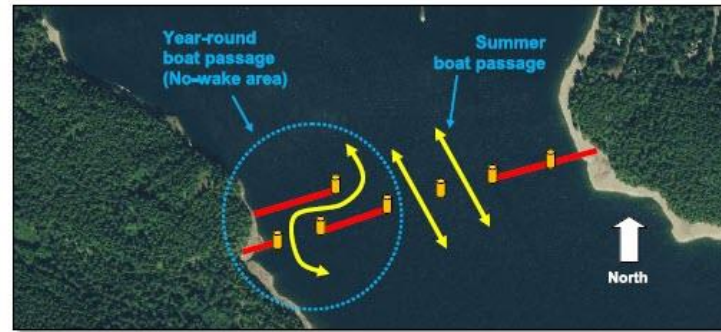


# Lake Debris Management

## ATTENTION

### Boaters

A floating boom is placed mid-way across Lake Cushman to contain woody debris.  
**When passing through gates, reduce your speed and watch for floating debris.**

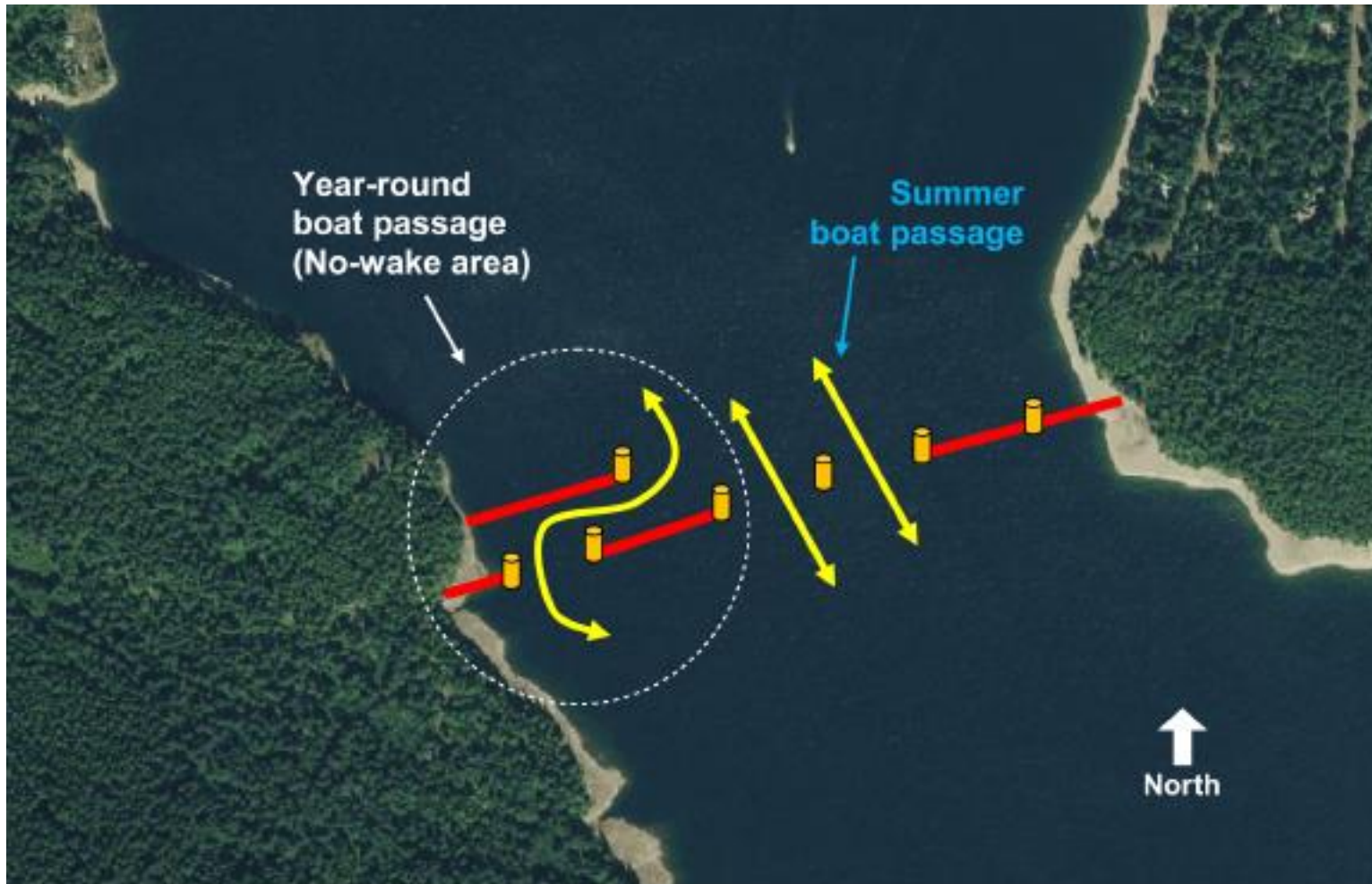


Boat passage through boom





# Lake Debris Management





# Questions ?