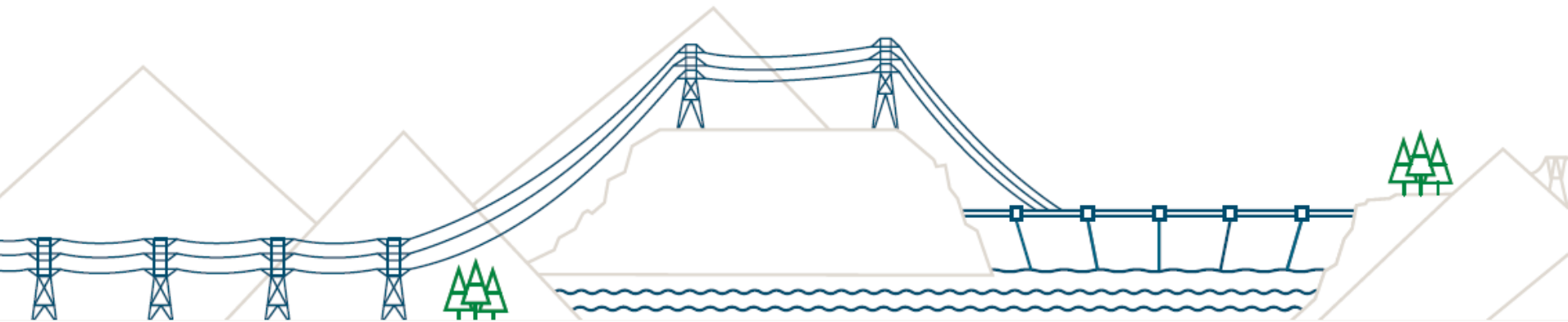


Duncan Operations

Heather Matthews

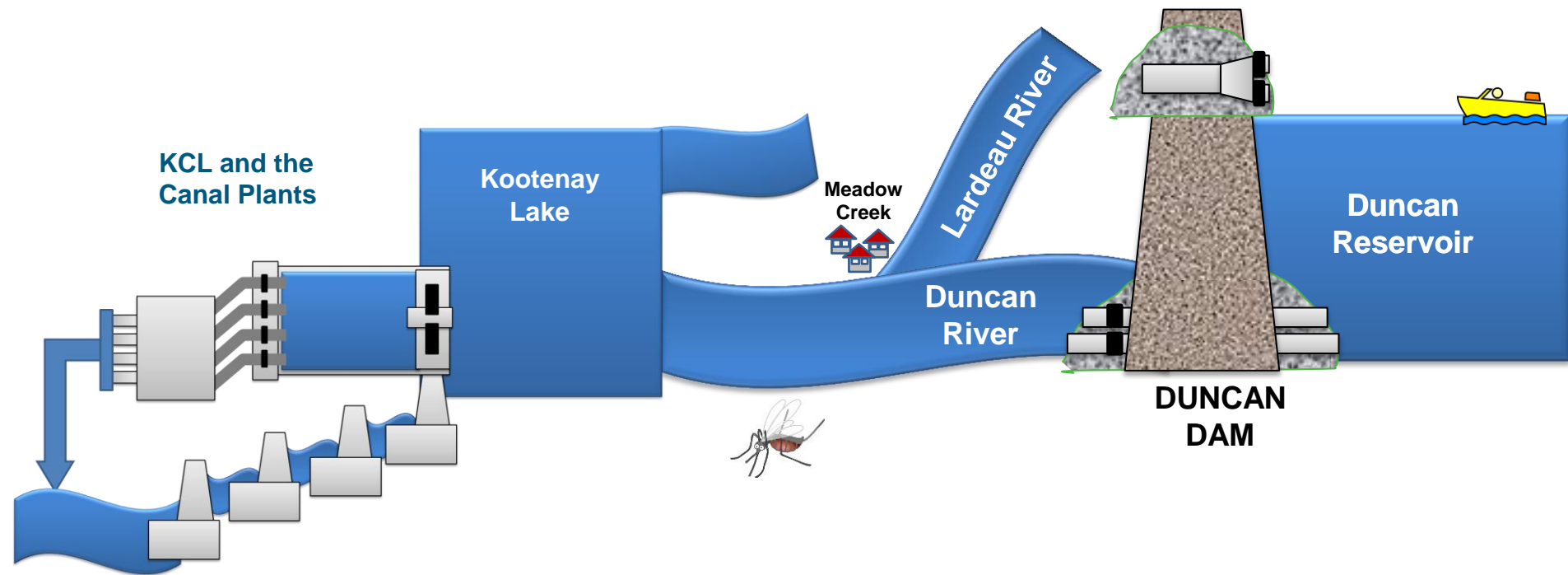


March 2016

An aerial photograph of a large, calm reservoir nestled in a mountainous landscape. The foreground is dominated by a dense, vibrant green forest. A narrow strip of land, lined with a row of tall, thin evergreen trees, separates the forest from the water. The reservoir itself is a deep blue, reflecting the clear sky. In the background, rugged mountains with patches of snow rise against a bright blue sky. The overall scene is one of natural beauty and tranquility.

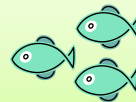


Duncan Interests



MWh

**FLOOD
MITIGATION**



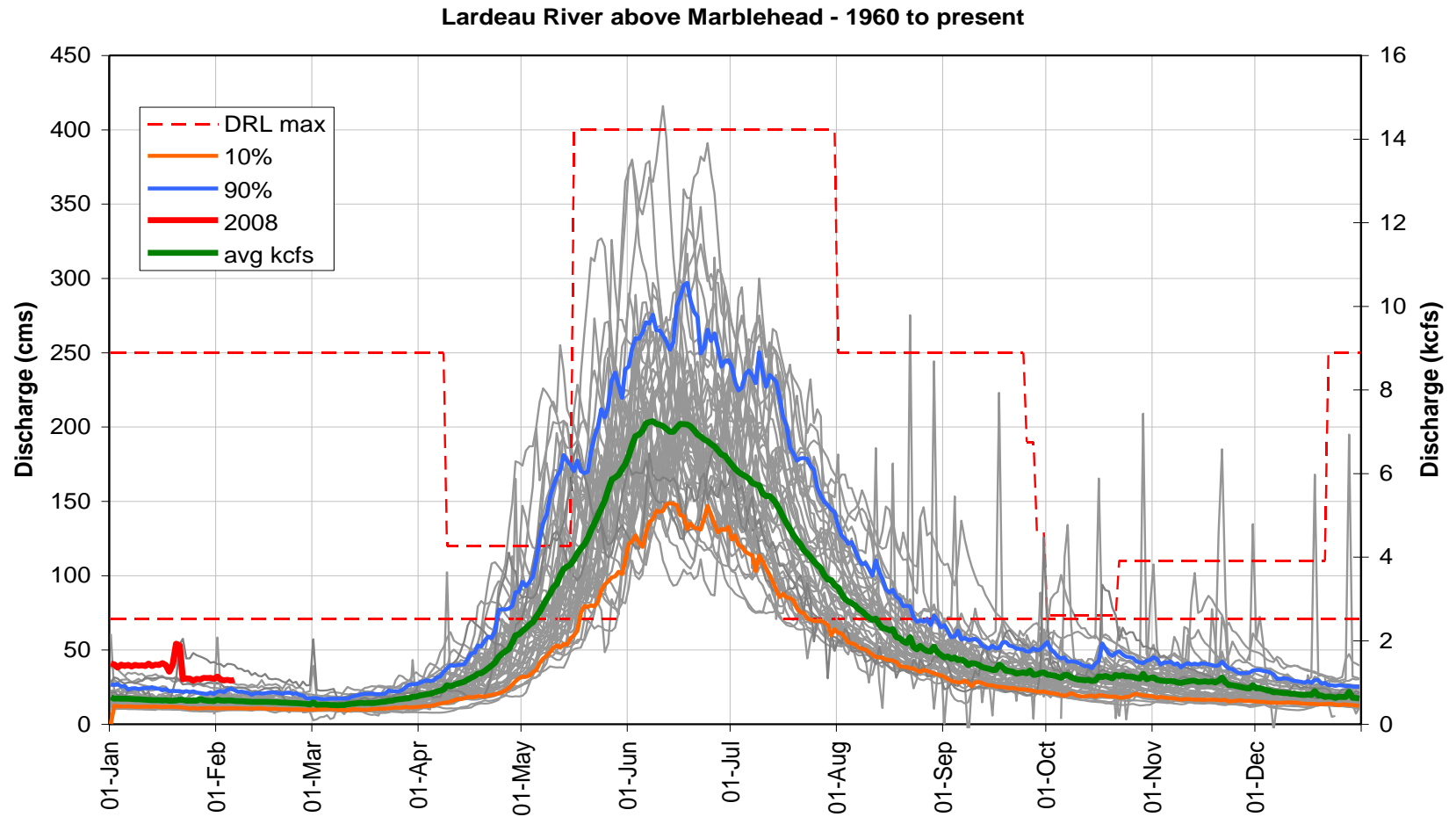
RECREATION

DUNCAN Bull Trout passage



Low Level Outlet Discharge Channel

Laudeau River & Duncan Operations



Duncan River below Laudeau Operations

Annual Timing	Flow Target (Below Lardeau River confluence)		Rationale
	<i>Minimum</i>	<i>Maximum</i>	
1 August to 30 September	73cms	(a) 250cms (1 August) (b) 130 cms (30 September)	Instigate flow reduction to minimize kokanee spawning access to marginal habitats
1 October to 21 October	73cms	73cms	Kokanee spawning flow
22 October to 21 December	73cms	110cms	Whitefish spawning flow
22 December to 9 April	73cms	250cms	Ensure riparian productivity through reduced winter inundation
10 April to 15 May	73cms	120cms	Minimize stranding during Lardeau River freshet flows
16 May to 31 July	73cms	400cms	Control flooding on Duncan River

Also mosquito interest to not peak twice

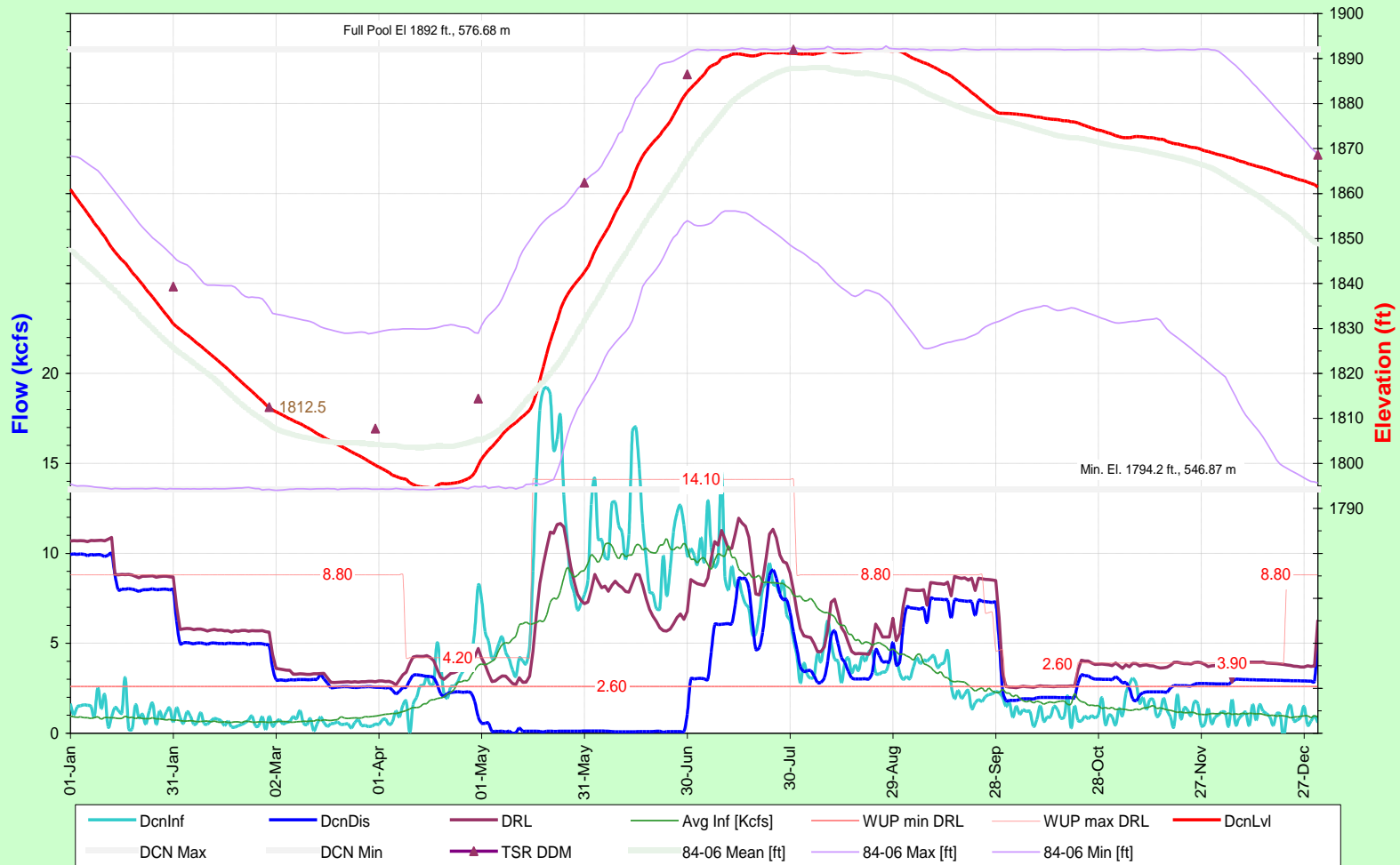
DUNCAN Operations

Spawning Flows @ DRL:

01 Oct - 21 Oct: 2.6 kcfs

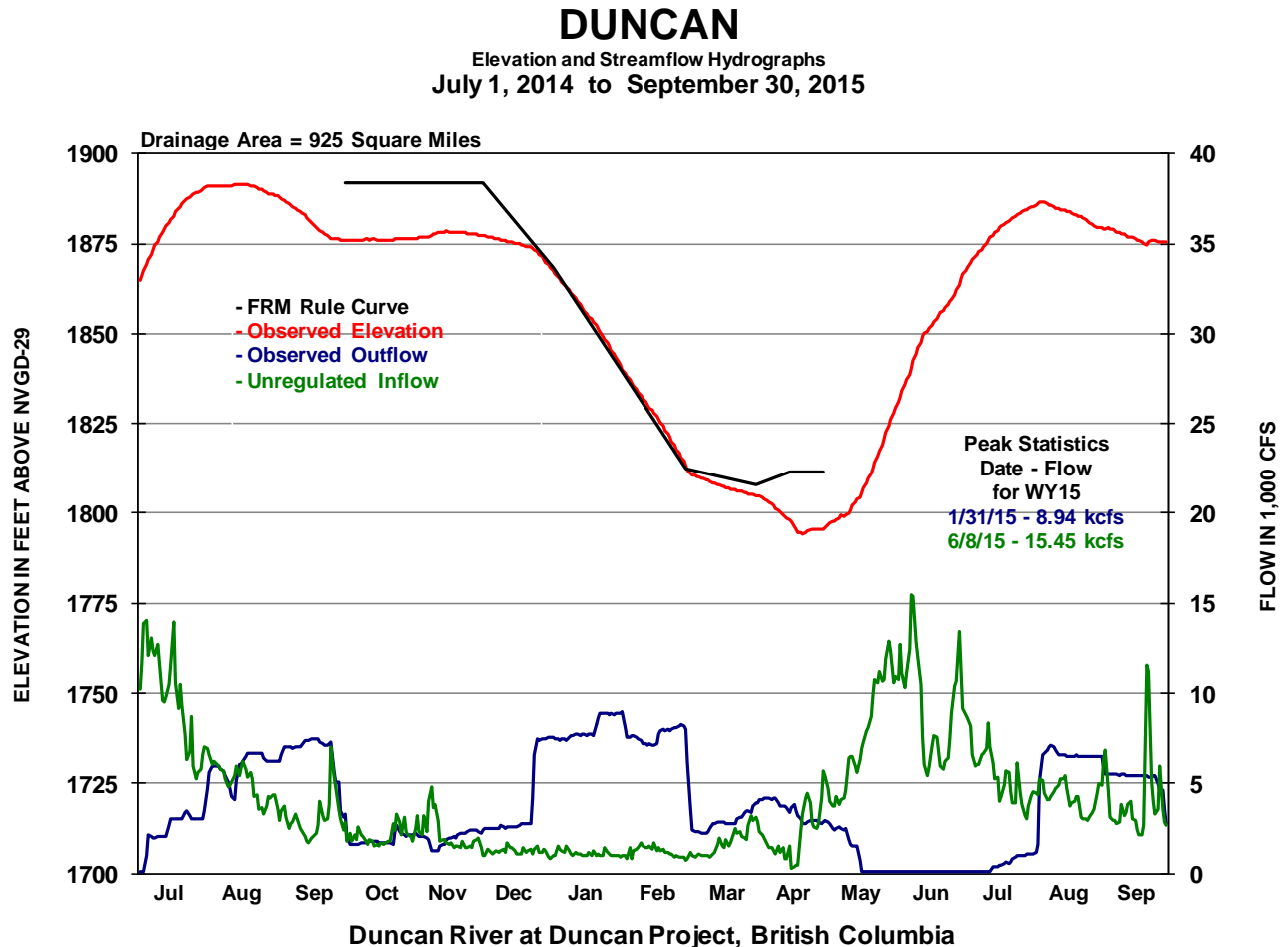
22 Oct - 21 Dec: 3.9 kcfs

Duncan 2006 Operation



DUNCAN 2014/15

- Reached max. level of 1891.5 ft, 0.5 ft below normal full pool, on 13 Aug 2014.
- Storage draft in fall & winter to meet Flood Control requirements.
- Reached min. level of 1794.4 ft on 20 April 2015
- Reached max. level of 1886.6 ft, 5.4 ft below normal full pool, on 4 Aug 2015.



DUNCAN 2011/12

- Low level of 1795 ft reached on 14 April
- Reached max. level of 1892.9 ft (0.9 ft surcharge) on 23 July
-- highest ever level
- Downstream flow peak of 20.3 kcfs, well above the normal max of 14.1 kcfs

