

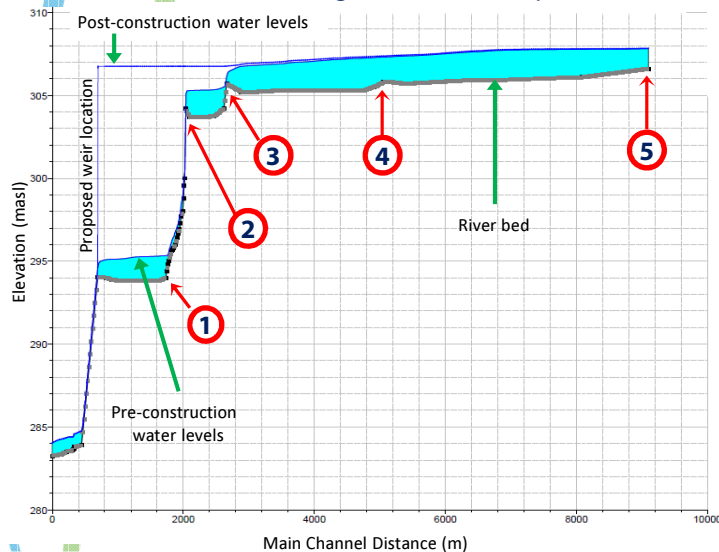
The Pecors Power Generating Station Project



Proposed headpond – extent of inundation

The following two figures illustrate the change in water depth and surface area that will result from the creation of the headpond. The depth and area of the Serpent River under natural conditions were modeled at flows of 9.35 m³/s, and were modeled again at the same flows but with the proposed weir in place.

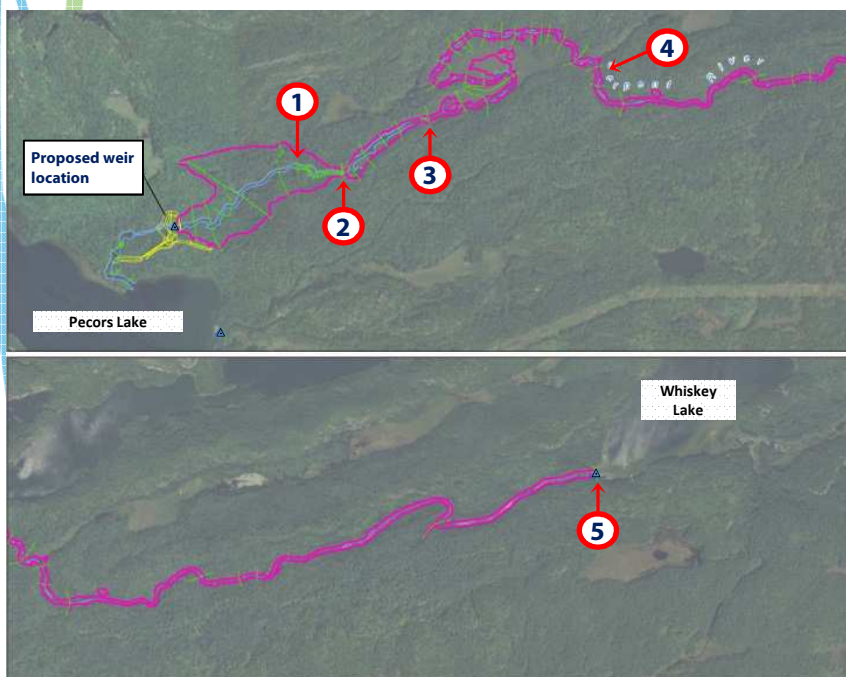
A flow of 9.35 m³/s was selected as it represents a common flooding condition in this part of the Serpent River (a flood of 9.35 m³/s or greater can be expected to occur every year).



A longitudinal profile illustrating the elevation of the river bed and water surface along the Serpent River with increasing distance upstream from Pecors Lake. The illustrated water levels apply to flows of 9.35 m³/s, with and without the proposed weir.

Note:

For ease of comparison, the relative locations of various control points along the Serpent River are numbered 1 - 5 on the figures.



A plan view of the Serpent River illustrating the spatial extent of the headpond compared to natural conditions (under a flow of 9.35 m³/s).

- Legend
- Water Level Logger Locations
 - Proposed Design
 - HEC-RAS Sections
 - Annual Inundation Limit Q1