



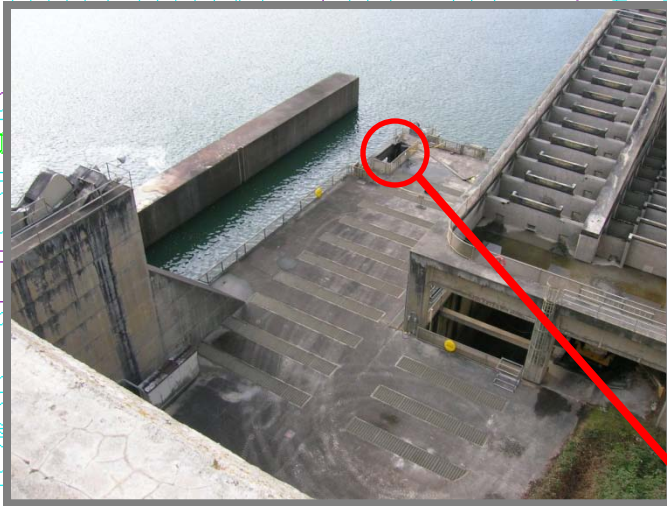
## John Day – North Fish Ladder Entrance Improvements: Proposed Closure of South Entrance



FFDRWG  
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# US Army Corps of Engineers Portland District



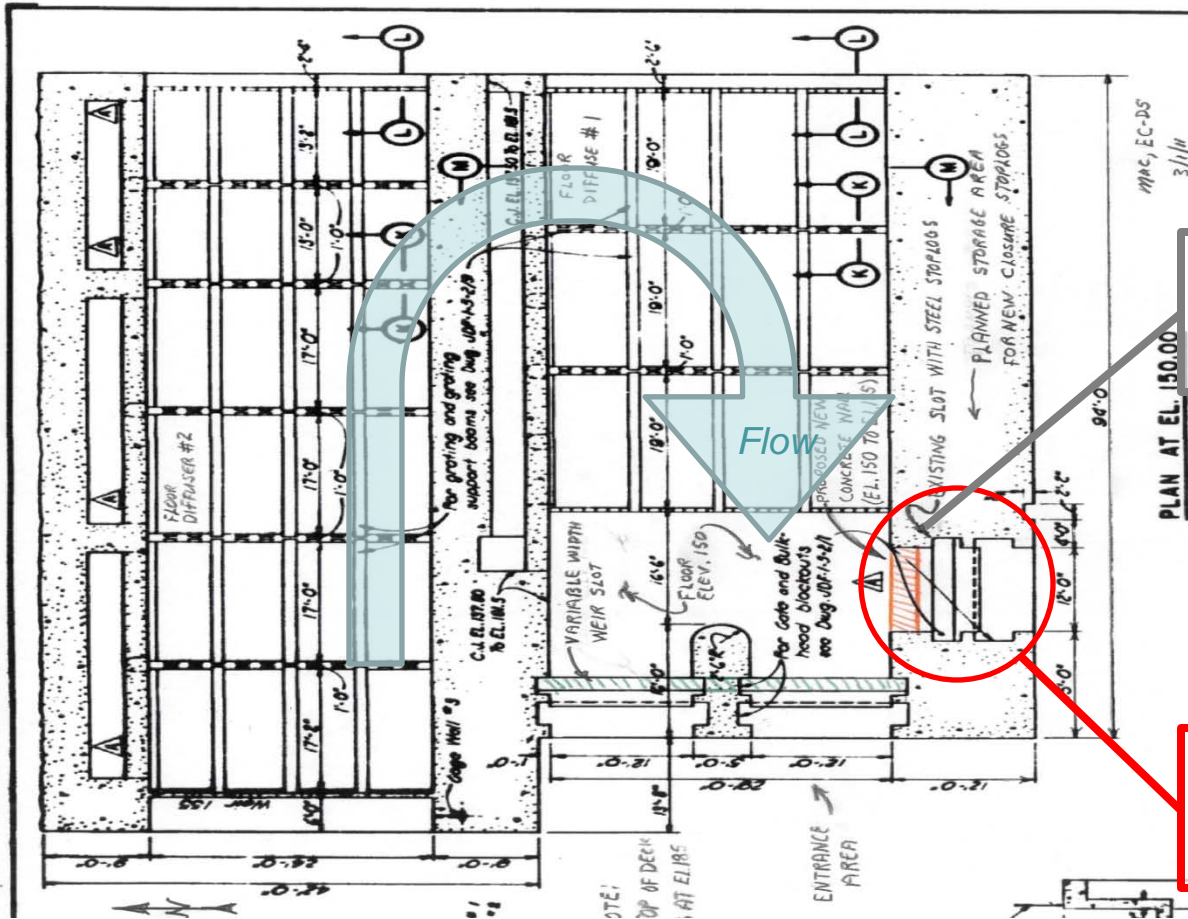
Need deck reinforcing at 185 ft. due to new crane loads. Leaves 2 options:

1. Build new stop logs *OR*
2. Install concrete wall (fishway floor to deck)

South Entrance  
(currently closed)



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Proposed concrete wall (floor to deck)

South Entrance (currently closed)

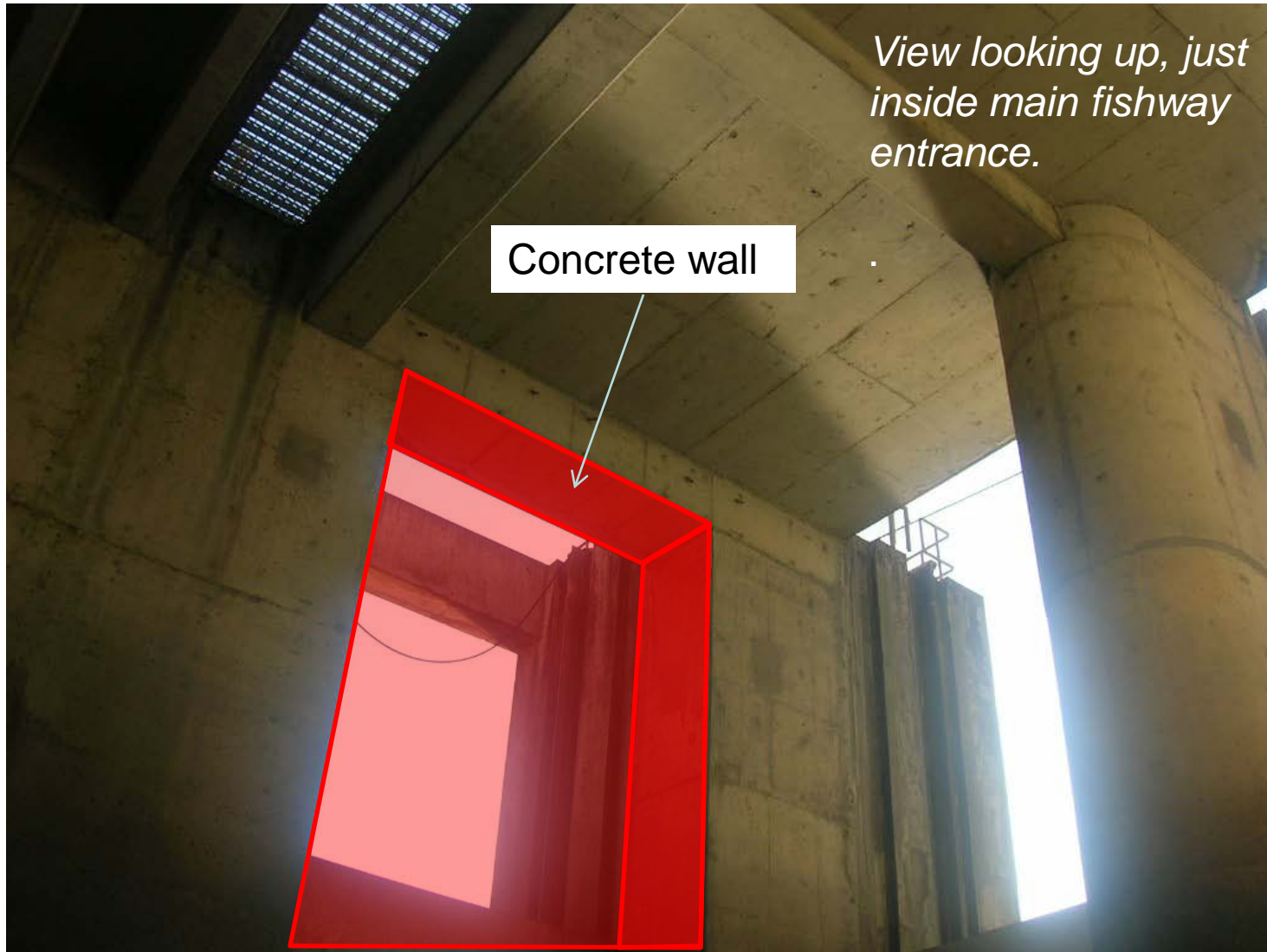
- Concrete wall on inside of fishway would be ~35 high (floor of fishway to deck)
- Eliminates need to install & maintain stop logs at this unused entrance
- Other design features?



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TM

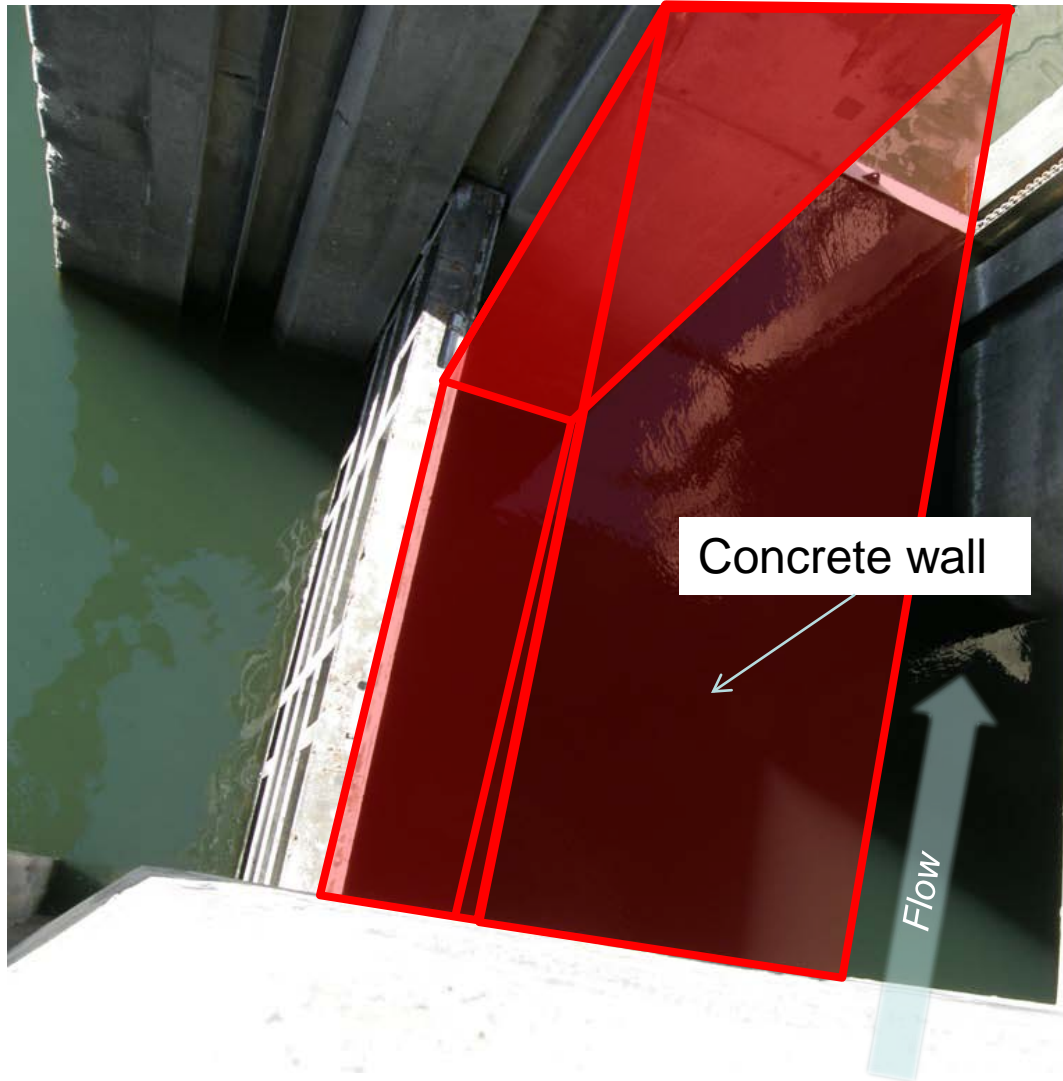


*View looking up, just inside main fishway entrance.*

Concrete wall



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*View looking down on South Entrance (main fishway entrance is in upper right corner).*

**Red** lines approximate the size and shape of the proposed concrete wall.



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### PROS:

- Improved hydraulics
- Cheaper construction
- Easier to maintain (and fewer leaks)
- Can be designed for relatively easy removal

### CONS:

- Semi-permanent closure of South Entrance (Emergency ops?)
- Unknown impacts on lamprey passage (likely none)