

John Day STS Crane

This project seeks to replace the existing submerged traveling screen (STS) gantry crane at John Day to increase reliability, functionality, safety, and assure compliance with BiOp directives and Endangered Species Act (ESA).

The main function of the STS Crane is to lift submerged traveling screens. The crane is also used for transporting the intake roller gates in-between slots and the gate repair pit; the gantry is not rated to lift submerged intake gates or bulkheads. The STS system is part of the juvenile bypass system and serves to keep downstream migrating endangered species fish out of the turbines. In the event that the crane is not available for submerged traveling screen installation or removal for maintenance and repairs, the JDA Project would be out of compliance with Biological Opinion and ESA statute requirements and unable to generate hydroelectric power. There are no redundancies or backup equipment. Without submerged traveling screens in place the main units cannot be operated without a waiver.

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