

Extracted on 01/18/2017 from the draft biological assessment for 19047-1

Conservation Measures

The project will implement the following conservation measures:

- All workers will complete a project specific environmental awareness training before starting work.
- Orange fencing and appropriate signage will be installed 20 feet from the drip line of all elderberry shrubs located within 100 feet of the project area. No work will occur within the protected 20 feet buffer area.
- The project construction limits will be clearly marked to prevent disturbance outside of the project area.
- A survey for nesting birds will be conducted within 10 days of the start of construction.
- The project will only remove the minimum amount of vegetation needed to complete the project.
- Invasive weeds within the project area will be removed.
- Native trees, shrubs, and grasses will be installed throughout the project area after construction is complete. The plantings will be maintained for a minimum of five years.
- Clean spawning gravel will be added to the designed side channel.
- A Storm Water Pollution Prevention Plan will be developed for the project.
- Water quality will be monitored during in-water work.
- A biological monitor will be onsite daily during construction.
- No equipment will operate within flowing water.
- Work areas within the flowing channel will be isolated from flowing water.
- Fish and turtles will be rescued before work begins in channel areas that are isolated from flowing water.
- Dewatering devices, such as pumps, will be equipped with appropriately sized fish screens.
- Equipment working over water will be equipped with biodegradable hydraulic oil
- BMPs will be utilized to prevent contamination of soil and water.
- Dust control measures will be implemented to reduce dust pollution.