

Notice of Section 401 Application Reception

File Number: 362021-17

Project Name: Mill Creek Diversion Debris Management Project

Date Posted: 1/21/2022

Received: 9/15/2021

Project City: Redlands

Project County: San Bernardino

Applicant Organization: San Bernardino Valley Water Conservation District

Applicant Name: Erwin Fogerson

Waterboard Staff: KF

Brief Description of Project:

Project Description: To update and modify the diversion facility to redirect debris and creek bed sediments back to the Mill Creek channel system, while allowing the water to be rerouted to the existing spreading grounds for SBVWCD's groundwater recharge.

Project Activities: The proposed project involves reconstruction of an existing diversion structure that consists of four slide gates, a concrete inlet channel, concreted rock outlet channel and mounded earth / rock containment berms. The existing structure allows for diversion of flow into an outlet channel as well as the ability to return the flow back into Mill Creek. The proposed improvements include creating a sediment bypass channel with a slide gate immediately upstream of the existing gate structure. The gate would be used to control outflow from this channel. The existing system will be demolished and replaced so that the overflow height is increased by 3 feet with ponding to an additional 2 feet above the structure walls and containment berm. Increasing the height will increase the ponding depth to promote sediment settling and prevent sediments from being transported to the spreading grounds. The three existing 5-foot by 4-foot weir gates that direct flow back into Mill Creek will be replaced with a one large gate. The gate outletting flow into the downstream diversion channel will be replaced as well. Baffle walls will be added to direct debris toward the return gates.