

Wetlands

Deer Valley Meadow Restoration Plan, Grant County Park, Santa Clara County, California



Project Description

Balance Hydrologics led a multi-disciplinary team charged with protecting an unusual and biologically-rich channel/meadow system in Grant County Park from incision and lateral erosion. The initial incision is widely considered to be a legacy of former grazing practices. The field challenge was to minimize storm runoff while restoring riparian vegetation by augmenting connection with the shallow aquifer. Construction activities are being completed in several phases.

Design Plan Components

- Raising the shallow water table at key locations with biotechnical and structural grade controls
- Actively restoring woody riparian vegetation in conjunction with curtailing cattle grazing for the indefinite future
- Decommissioning a ranch and fire road along the channel
- Use of downed wood and other materials on Park property to reduce construction costs
- A phased construction approach that could be completed by Park staff as schedules allow
- Post-construction monitoring plan to assess channel and ground-water response



