

Kilarc Reservoir Planning Unit

All recommended measures must be coordinated with the decommissioning process to avoid inconsistent or duplicative recommendations. When the decommissioning process is completed, the planning unit will need to be re-evaluated based on the outcome, in close coordination with community stakeholders and all interested parties.

Fish, Plant, and Wildlife Habitat

Potential Measure:

- *Develop a noxious weed management plan for the planning unit.*

There is a known exotic species (sweet pea) within the planning unit, and there is potential for noxious weed infestations through recreation use. Currently, there is no plan for noxious weed management within the planning unit. Therefore, the Stewardship Council recommends developing a noxious weed management plan for the planning unit to enhance habitat for native species. The noxious weed management plan should be coordinated with existing PG&E noxious weed efforts.

Potential Measure:

- *Stabilize the shoreline to reduce erosion and sedimentation.*

There are some eroding banks along the waters edge. Tree roots are exposed in these areas, erosion is likely contributing sediment into the water, and shoreline vegetation has been reduced or eliminated. To enhance bank stability and reduce erosion and sedimentation, the Stewardship Council recommends stabilizing the shoreline.

Potential Measure:

- *Assess the planning unit for potential restoration of bare ground areas and redundant trails.*

There are also some compacted and denuded land areas as well as redundant trails that could be enhanced to provide additional habitat, reduce compaction, and enhance the recreation setting. Therefore, the Stewardship Council recommends assessing the planning unit for potential restoration of bare ground areas and redundant trails.

Open Space

Potential Measure:

- *Apply permanent conservation easements to ensure a higher level of open space protection.*

The Stewardship Council recommends preserving open space values through permanent conservation easements. Conservation easements would describe and prohibited uses to maintain open space values, including the level of uses allowed. Recommendations do not include development of any new sites and are therefore not expected to decrease the scenic quality of the viewsheds.

Outdoor Recreation

Potential Measure:

- *Assess the potential for recreation opportunities throughout the planning unit.*

Currently, there are two developed picnic areas at Kilarc Forebay. There could be potential for other recreation opportunities within the planning unit beyond picnicking, such as ADA fishing. Therefore, the Stewardship Council recommends assessing the potential for recreation opportunities throughout the planning unit.

Potential Measure:

- *Monitor recreation use throughout the planning unit.*

Recreation use within the planning unit is generally focused at the forebay, but it appears that recreation use outside of developed facilities is not being monitored. Recreation users at the forebay can walk along the main canal and fish from its edges. Recreationists can also fish in Old Cow Creek near the powerhouse. In general, fishing below a powerhouse is very popular (e.g., Butt Valley, Hat Creek). The Stewardship Council recommends monitoring recreation use to determine if there are safety issues, if additional facilities or signage are needed, or if impacts from recreation uses are occurring on other resources. Prior to monitoring recreation use, a recreation inventory and assessment should be conducted to establish a baseline from which monitoring results can be compared.

Potential Measure:

- *Install signage regarding the history of the powerhouse and hydroelectric project at the Kilarc Powerhouse and day use areas.*

The Kilarc-Cow Creek Hydroelectric Project is over 100 years old and has an interesting past, including being associated with the copper mining industry in Shasta County and part of the growth of the City of Red Bluff. The Kilarc Powerhouse is one of the few remaining old stone powerhouses in California. The Stewardship Council recommends installing signage regarding the history of the Kilarc Powerhouse and Kilarc-Cow Creek Hydroelectric Project at the day use areas and Kilarc Powerhouse to enhance users' knowledge and understanding of the area's historical resources and role in Shasta County's history. This would enhance the recreation experience and possibly increase users' appreciation and desire for protection of historical resources.

Potential Measure:

- *Assess the potential for youth program opportunities.*

The presence of existing recreation facilities and a nearby community offers an opportunity to educate youth on a variety of topics such as wildlife, fishing, and cultural resources. Therefore, the Stewardship Council recommends assessing the potential for youth programs, possibly in conjunction with local schools. Programs could teach youth about topics such as aquatic and botanical resources, including threatened and endangered species, cultural resources, and historical use of the area.

Sustainable Forestry

Potential Measure:

- *Coordinate with adjacent landowners to manage fuels within and along the perimeter of the planning unit.*

After a fire about 10 years ago, plantations were developed up to the property line around the Kilarc Forebay. Due to the minimal acreage around the forebay within the planning unit, there is very little buffer between recreation use and the plantations. There are likely forest resources surrounding the Kilarc Main Canal, and there are forest resources around the powerhouse on both the planning unit and adjacent property. To reduce fire risk on both planning unit and adjacent lands, the Stewardship Council recommends coordinating with adjacent landowners to manage fuels within and along the perimeter of the planning unit.

Agricultural Uses

None recommended.

Preservation of Historic Values

Potential Measure:

- *Incorporate cultural resource protection measures in conservation easements to protect any cultural resources found in the future in coordination with Native American entities.*

The Stewardship Council also recommends protecting any cultural resources found in the future through permanent conservation easements that include cultural resource protection measures. These measures would describe the process for addressing any cultural materials found during ground-disturbing activities. Development of appropriate cultural resource protection measures would be coordinated with Native American entities.