

Species	Legal Status	Habitat Needs, Known Distribution, and Availability of Habitats in Assessment Area	POTENTIAL IMPACTS of Forest Management and Other Activities
AMPHIBIANS			
California Red-legged Frog <i>Rana aurora draytonii</i>	Federally Endangered	Streams and ponds with emergent vegetation and <4,500' elevation. Generally considered a species of the central valley and foothills. Not likely to occur on CAF due to high elevation, snow pack, and cold water during the breeding season.	Loss or degradation of aquatic habitats and the introduction of bullfrogs and predatory fish.
Foothill Yellow-legged Frog <i>Rana boylei</i>	CA Species of Special Concern	Class I and II streams <6,000' elevation, having relatively open canopy cover. Habitat occurs through Assessment Area and species likely exists in patchy distribution.	Loss or degradation of aquatic habitats and the introduction of bullfrogs and predatory fish.
REPTILE			
Western Pond Turtle <i>Clemmys marmorat</i>	CA Species of Special Concern	Slow-moving streams or ponds with relatively open tree canopy conditions; travels considerable distances to nest in riparian and upland habitats. No reported occurrences on the CAF. Potential habitat associated with permanent watercourses and small lakes and ponds.	Loss or degradation of aquatic habitats and breeding habitats and the introduction of exotic predators.
BIRDS			
Bald Eagle <i>Haliaeetus leucocephalus</i>	Federal Endangered CA Fully Protected Board of Forestry Sensitive Species	Forested habitats adjacent to large fish-bearing lakes or rivers. Most nests constructed in large, limby trees within two air-miles of forage area. Sizable population exists in the Lake Almanor, Butt Lake and North Fork Feather River areas and habitat occurs	Reduction in foraging values of water bodies; removal of existing or potential nest trees; disruption of nests during timber or road construction operations.

		around these lakes and scattered water bodies within the area.	
Northern Goshawk <i>Accipiter gentilis</i>	Board of Forestry Sensitive Species CA Species of Special Concern	Wide range of forested habitats but nests often in mature, dense canopied stands. Nest often constructed in deformed tree feature and species often builds alternate nests. Suitable habitat is widespread on the CAF.	Reduction of potential nesting stands; harvest of nest or alternate nest trees; disruption of nesting efforts during timber harvest operations.
Osprey <i>Pandion haliaetus</i>	Board of Forestry Sensitive Species CA Species of Special Concern	Usually nests in conifers within one air mile of fish bearing lakes and streams; nest tree often a snag or tree with dead top. Sizable population exists adjacent to Lake Almanor and Butt Lake with others near streams and small lakes. Habitat exists through much of area.	Harvest of nest or potential Nest trees; disruption of nesting efforts during timber harvest operations.
Great Blue Heron <i>Ardea herodias</i>	Board of Forestry Sensitive Species	Communally nests in live, limby trees near fish-bearing lakes or streams. Habitat exists scattered throughout area, especially near Lake Almanor and Butt Lake.	Harvest of nest or potential Nest trees; disruption of nesting efforts during timber harvest operations.
Great Gray Owl <i>Strix nebulosa</i>	CA Endangered	Inhabits conifer-dominated habitats close to meadows. Nests usually in large, broken top snag near meadow. Potential habitat within area very scattered. No known nest sites on the CAF.	Harvest of nest or potential Nest trees; disruption of nesting efforts during timber harvest operations.
California Spotted Owl <i>Strix occidentalis</i>	Board of Forestry Sensitive Species CA Species of Special Concern	Nests in dense-canopy conifer stands having large, decadent trees. Uses nests of other birds—both cavity and platform structures. Forages for small mammals in forests with dense to moderate canopy conditions. Nests and forages throughout the area, with the possible exception of gentle	Harvest of nest or potential nest trees; reducing canopy below that suitable for nesting or foraging; disruption of nesting efforts during timber harvest operations.

		terrain surrounding Lake Almanor.	
Willow Flycatcher <i>Empidonax traillii</i>	CA Endangered	Wet meadows with willow clumps found at moderate elevations. Known to occur within the area in several scattered locations; however, other potential habitats also exist.	Livestock degradation of meadow/willow habitats; disturbance of nesting efforts during timber harvest; encroachment of meadows by conifers. Nest parasitism by exotic species, such as the brown-headed cowbird.
American Peregrine Falcon <i>Falco peregrinus anatum</i>	Federal Endangered CA Threatened Board of Forestry Sensitive Species	Nests on cliffs and forages in open and semi-open habitats. Potential nesting habitat is limited on the CAF. No known nest sites on the CAF.	Disturbance of nesting efforts during timber harvest operations.
Greater Sandhill Crane <i>Grus canadensis tabida</i>	CA Fully Protected	Nests in meadows and other mesic sites with dense emergent vegetation. Forages for many plant and animal species in more open meadows or farmland. Scattered potential exists in area and several nesting sites have been recorded.	Disturbance of nesting efforts during timber harvest operations.
Pileated Woodpecker <i>Dryocopus pileatus</i>	CAF Concern	Needs abundant snags and live cull trees for foraging and nesting. Found throughout CAF timber stands, though may be limited on Rhyolite Plateaus due to openness of many areas. Good indicator of late seral stand structure.	Loss of snags for nesting. Disturbance of nesting efforts during timber harvest operations.
Sharp-shinned Hawk <i>Accipiter striatus</i>	CA Species of Special Concern	Prefers dense, pole and small sawtimber stands on north facing slopes near water and riparian habitats. Suitable habitat patchy on CAF. No known nest sites but individuals have been observed on the forest.	Loss of dense stands on north slopes. Disturbance during nesting.

Coopers Hawk <i>Accipiter cooperii</i>	CA Species of Special Concern	Dense or patchy stands of oak, mixed oak-conifer or conifers near water or riparian areas. Suitable habitat patchy on CAF. Known to nest on the forest.	Loss of dense stands on north slopes. Disturbance during nesting.
Wood Duck <i>Aix sponsa</i>	CAF Concern	Lakes, ponds, and slow-moving streams in assessment area. Needs snags near water for nesting (up to 1000 feet). Uses nest boxes, which are becoming numerous on CAF at the beaver pond, Rock and Mud Lakes.	Loss of snags near water areas.
Bufflehead <i>Bucephala albeola</i>	CAF Concern	Prefers lacustrine habitats. Breeding in Lassen Peak area. As snags and nesting boxes increase on CAF, they may be found at the "beaver pond," Rock and Mud Lakes.	Loss of snags near water areas.
MAMMALS			
Townsend's Big-eared Bat <i>Plecotus townsendii</i>	CA Species of Special Concern	Uses a wide range of habitats; roosts in abandoned buildings, caves, or mines. May exist in area as habitat exists, but status not known.	Damage to roosting sites; disturbance of nesting efforts during timber harvest operations.
Black-tailed Deer <i>Odocoileus hemionus columbianus</i>	Game Species	Summer resident of most habitats within Assessment Area (reference is herd plan). Forages on shrub and herbaceous growth; quality forage required for healthy populations. Often fawns near meadows. Well known migration corridors and critical summer habitat exists in area.	Inhibition of understory Growth by maintaining dense forest conditions; inhibition of periodic fires that open forest stands and initiate undergrowth; disturbance of does and fawns in fawning areas.
Sierra Nevada Red Fox <i>Vulpes vulpes necator</i>	CA Threatened	Inhabits relatively high elevation forests having scattered openings. Dens in caves or under logs. Historical sightings within the area; however,	Disturbance to den site by Removal of down woody debris; harvest of decadent trees and snags that would eventually fall and form cover. May be interbreeding

		population is likely low and patchy in distribution.	with non-native red foxes that escaped from local fox farms.
Wolverine <i>Gulo gulo luteus</i>	CA Fully Protected	Uses a variety of moderate to high elevation forest habitats. Caves, logs, or burrows used for cover. No recent records for area but has been sighted immediately to the north of CAF. Not likely to occur on the forest.	Disturbance of den site; removal of down woody debris.
Fisher <i>Martes pennanti</i>	CA Species of Special Concern	Inhabits conifer and riparian habitats having relatively dense canopy closures and hardwoods. Seek prey on ground or trees and use caves, logs, or tree canopies as cover. Representative habitat available at lower elevations. Not likely to occur in CAF due to lack of fishers in this part of the state.	Disturbance of den site; extensive removal of forest or riparian area canopy cover; removal of down woody debris.
Marten <i>Martes americana</i>	CAF Concern	Prefers conifer forests greater than 40% crown; variety of different age stands with old growth conifers and snags. Important ecological relationship with Chickaree Squirrels. Often found in riparian/lodgepole pine types. Needs complex physical structure near the ground like large logs, lower branches of trees, rocky, and shrubs areas.	Many large clear cuts, extensive even-aged management. Loss of late seral stands.
FISH			
Spring-run Chinook Salmon <i>Oncorhynchus tshawytscha</i>	CA Species of Special Concern	Enters Mill and Deer Creeks during spring; holds in deep, cool pools; and spawns during autumn.	Increase in stream Temperature due to riparian canopy reduction; sedimentation, leading to habitat degradation.
PLANTS			

<p>Wilkin's Harebell</p> <p><i>Campanula wilkinsiana</i></p>	<p>CA Nat. Plant Soc. 1B</p>	<p>Widely scattered in wet meadows > 5,900' elevation. One record on CAF at Deer Creek Meadows. Possible locations in other meadows.</p>	<p>Meadow degradation from grazing and off-road vehicle use.</p>
<p>Egg Lake Monkeyflower</p> <p><i>Mimulus pygmaeus</i></p>	<p>CA Nat. Plant Soc. 1B</p>	<p>Inhabits damp meadows, swales and muddy soil of desiccating pools. Observed at several area locations (and may occur in other meadows in the vicinity).</p>	<p>Meadow degradation from grazing and off-road vehicle use; disturbance from new road construction.</p>
<p>Butte County Fritillary</p> <p><i>Fritillaria eastwoodiae</i></p>	<p>CA Nat. Plant Soc. 1B</p>	<p>Occurs in dry, open forests and chaparral stands. No observations within area but might occur in extreme western portion.</p>	<p>Road and skid trail construction.</p>
<p>Constance's Rock Cress</p> <p><i>Arabis constancei</i></p>	<p>CA Nat. Plant Soc. 1B</p>	<p>Found in dry, open forests and chaparral stands, usually associated with serpentine soils. Occurs within area, east of Butt Lake; additional habitat exists in the general vicinity.</p>	<p>Road and skid trail construction.</p>
<p>Tracy's Sanicle</p> <p><i>Sanicula tracyi</i></p>	<p>CA Nat. Plant Soc. 1B</p>	<p>Habitat consists of lower elevation mixed oak and conifer stands. One occurrence known in Assessment Area, but might exist in other locations in the western one-quarter.</p>	<p>Road and skid trail construction.</p>
<p>Suksdorf's Milk Vetch</p> <p><i>Astragalus pulsiferae var. suksdorfii</i></p>	<p>CA Nat. Plant Soc. 1B</p>	<p>Inhabits interface between open pine and Great Basin shrub plant communities. Known to occur on flats near Chester (one location on CAF in the NESE Section 24, T28N, R6E) and south shore of Lake Almanor; might exist in other portions of the Almanor Basin.</p>	<p>Road and skid trail construction.</p>
<p>Feather River Stonecrop</p> <p><i>Sedum albomarginatum</i></p>	<p>CA Nat. Plant Soc. 1B</p>	<p>Habitat consists of chaparral and open, mixed conifer stands having serpentine soils. Has been noted near Butt Lake and may occur in</p>	<p>Road and skid trail construction.</p>

		other locations within the southeast quarter of area.	
Webber's Milk Vetch <i>Astragalus webberi</i>	CA Nat. Plant Soc. 1B	Occurs in dry pine and chaparral vegetation < 5,000' elevation. Records exist for extreme southeast portion of area; other suitable habitat exists adjacent to Indian Valley.	Road and skid trail construction.
Slender Orcutt Grass <i>Orcuttia tenuis</i>	CA Nat. Plant Soc. 1B	A vernal pool species, which has been found along the west edge of Lake Almanor. Other swales exist in the Almanor Basin that might harbor this species.	Road and skid trail construction.
Quincy Lupine <i>Lupinus dalseiae</i>	CA Nat. Plant Soc. 1B	Associated with dry chaparral or open pine forests; especially in disturbed sites. Recorded at numerous locations south of Lake Almanor and it might occur at other sites in this area.	Road and skid trail construction; road maintenance.