

Table P-1. Montane Woodland and Forest Communities: Potential CALFED Effects and Conservation Measures

Summary Effect of Implementing CALFED Actions with Conservation Measures on Montane Woodland and Forest Communities: Potential for short-term loss of habitat area with construction of new or enlarged storage reservoirs and associated facilities and long-term increase in and/or enhancement of habitat area with implementation of conservation measures to compensate for CALFED impacts.

Associated Evaluated Species: California wolverine, Shasta salamander, Shasta sideband, northern spotted owl, northern spotted owl critical habitat, bald eagle, ringtail, greater western mastiff-bat, Cooper's hawk, osprey, Indian Valley brodiaea, North Coast semaphore grass, rock sanicle, dimorphic snapdragon, Klamath manzanita, Big Bear Valley woollypod, tree-anemone, silky cryptantha, drymaria-like western flax, Mount Tedoc linanthus, Madera linanthus, Shasta snow-wreath, thread-leaved beardtongue, California beaked-rush, marsh skullcap, Red Hills ragwort, English peak greenbriar, pallid manzanita, and saw-toothed lewisia.

Summary Programmatic Action Outcomes	Applicable Programmatic Actions	Potential Beneficial Effects	Potential Adverse Effects	Conservation Measures Incorporated into the Program	Overall Effect of Summary Programmatic Action Outcomes with Conservation Measures
Delta Region					
CALFED actions proposed for the Delta Region would not affect montane woodland and forest communities.					
Bay Region					
Associated Evaluated Species: Bald eagle, pallid manzanita, ringtail, North Coast semaphore grass, rock sanicle, greater western mastiff-bat, Cooper's hawk, osprey, and brittlescale.					
Summary Programmatic Action Outcomes E1, E5b, E7, E10b, E12, E13b, E14, E15b, E16b, E21, E22, E24, E25, E28, E30, L3, Q2, Q4, Q7, Q8, W1-W4, and T1 are likely to have no discernable effect on montane woodland and forest communities in the Bay Region.					
Watershed Management Program					
M1. Fund and implement watershed restoration, maintenance, conservation, and monitoring activities.	None.	Potential beneficial effects of the program are not analyzed. The type and magnitude of potential beneficial effects would depend on the type of specific program actions that are implemented (N/A).	Potential adverse effects of the program are not analyzed. The type and magnitude of potential adverse effects would depend on the type of specific program actions that are implemented (N/A).		Potential program effects cannot be evaluated.

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Table P-1. Continued

Summary Programmatic Action Outcomes	Applicable Programmatic Actions	Potential Beneficial Effects	Potential Adverse Effects	Conservation Measures Incorporated into the Program	Overall Effect of Summary Programmatic Action Outcomes with Conservation Measures
Sacramento River Region					
Associated Evaluated Species: California wolverine, northern spotted owl, northern spotted owl critical habitat, bald eagle, ringtail, Indian Valley bodiada, greater western mastiff-bat, Cooper's hawk, osprey, Shasta salamander, Shasta sideband, dimorphic snapdragon, Klamath manzanita, silky cryptantha, Drymaria-like western flax, Mount Tedoc linanthus, Shasta snow-wreath, thread-leaved beardtongue, English peak greenbrier, and brittlescale.					
Summary Programmatic Action Outcomes E1-E3, E6, E13c, E15c, E16c, E18b, E22-E26, E27b, Q1-Q4, Q7, W1-W4, T1, S2, O1, and O2 are likely to have no discernable effect on montane woodland and forest communities in the Sacramento River Region.					
Watershed Management Program					
M1. Fund and implement watershed restoration, maintenance, conservation, and monitoring activities.	None.	N/A.	N/A.		Potential program effects cannot be evaluated.
Storage Facilities					
S1. Construct and operate enlarged or new surface storage facilities.	None.	Likely to be no discernable beneficial effects on existing habitat areas and associated evaluation species (N/E).	Construction of storage facilities and associated infrastructure could result in permanent loss of habitat area (AE1).	To the extent practicable, avoid disturbance to habitat areas occupied by evaluated species (M1). Restore or enhance 2 to 5 acres of montane woodland and forest habitat for every acre of existing habitat affected by the actions near where impacts are incurred (M2).	Potential for short-term loss or degradation of habitat area within the constructed footprint of storage facilities and associated infrastructure. Potential for long-term increase in habitat area as a result of implementing conservation measures.

Table P-1. Continued

Summary Programmatic Action Outcomes	Applicable Programmatic Actions	Potential Beneficial Effects	Potential Adverse Effects	Conservation Measures Incorporated into the Program	Overall Effect of Summary Programmatic Action Outcomes with Conservation Measures
			<p>Construction-related activities associated with implementing actions could result in take of evaluated species (AE2).</p> <p>Recreational activities potentially associated with new storage facilities could result in take of evaluated species (AE3).</p>	<p>To the extent practicable, avoid construction activities during the breeding period of species that could be adversely affected by the actions (M3).</p> <p>To the extent practicable, avoid direct disturbance to populations and individuals of evaluated plant species (M4).</p> <p>When feasible, establish and protect additional populations of evaluated plant species in suitable nearby habitat areas before construction activities are implemented that could affect existing populations or individuals (M5).</p> <p>Manage recreational uses to avoid or reduce the likelihood for recreation-related impacts on sensitive plant populations and wildlife use areas (M6).</p>	

Table P-1. Continued

Summary Programmatic Action Outcomes	Applicable Programmatic Actions	Potential Beneficial Effects	Potential Adverse Effects	Conservation Measures Incorporated into the Program	Overall Effect of Summary Programmatic Action Outcomes with Conservation Measures
San Joaquin River Region					
Associated Evaluated Species: Bald eagle, rock sanicle, greater western mastiff-bat, Cooper's hawk, osprey, brittlescale, Big Bear Valley woollypod, tree-anemone, Madera linanthus, and saw-toothed lewisia.					
Summary Programmatic Action Outcomes E1, E2, E6, E13d, E15d, E18c, E22-E26, E27b, E29, Q1, Q2, Q4-Q8, W1-W4, T1, S2, O1, and O2 are likely to have no discernable effect on montane woodland and forest communities in the San Joaquin River Region.					
Watershed Management Program					
M1. Fund and implement watershed restoration, maintenance, conservation, and monitoring activities.	None.	N/A.	N/A.		Potential program effects cannot be evaluated.
Storage Facilities					
S1. Construct and operate enlarged or new surface storage facilities.	None.	N/E	AE1. AE2. AE3.	M1. M2. M3. M4. M5. M6.	Potential for short-term loss or degradation of habitat area within the constructed footprint of storage facilities and associated infrastructure. Potential for long-term increase in habitat area as a result of implementing conservation measures.

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Table P-2. Key to Table P-1 Potential Beneficial Effects, Potential Adverse Effects, and Conservation Measures Codes

Potential Beneficial Effects	Potential Adverse Effects	Conservation Measures Incorporated into the Program
<p>Potential beneficial effects of the program are not analyzed. The type and magnitude of potential beneficial effects would depend on the type of specific program actions that are implemented (N/A).</p>	<p>Construction of storage facilities and associated infrastructure could result in permanent loss of habitat area (AE1).</p>	<p>To the extent practicable, avoid disturbance to habitat areas occupied by evaluated species (M1).</p>
<p>Likely to be no discernable beneficial effects on existing habitat areas and associated evaluation species (N/E).</p>	<p>Construction-related activities associated with implementing actions could result in take of evaluated species (AE2).</p>	<p>Restore or enhance 2 to 5 acres of montane woodland and forest habitat for every acre of existing habitat affected by the actions near where impacts are incurred (M2).</p>
	<p>Recreational activities potentially associated with new storage facilities could result in take of evaluated species (AE3).</p>	<p>To the extent practicable, avoid construction activities during the breeding period of species that could be adversely affected by the actions (M3).</p>
	<p>Potential adverse effects of the program are not analyzed. The type and magnitude of potential adverse effects would depend on the type of specific program actions that are implemented (N/A).</p>	<p>To the extent practicable, avoid direct disturbance to populations and individuals of evaluated plant species (M4).</p>
		<p>When feasible, establish and protect additional populations of evaluated plant species in suitable nearby habitat areas before construction activities are implemented that could affect existing populations or individuals (M5).</p>
		<p>Manage recreational uses to avoid or reduce the likelihood for recreation-related impacts on sensitive plant populations and wildlife use areas (M6).</p>

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