

Table M-1. Inland Dune Scrub Communities: Potential CALFED Effects and Conservation Measures

Summary Effect of Implementing CALFED Actions with Conservation Measures on Inland Dune Scrub Communities: Increase in inland dune scrub habitat area of 50-100 acres within and adjacent to the Antioch Dunes Ecological Reserve, enhancement and increased level of protection of existing habitat area within the Antioch Dunes Ecological Reserve, and potential increases in populations of evaluated species present at the Antioch Dunes Ecological Reserve.

Associated Evaluated Species: San Joaquin whipsnake, Lange's metalmark, Antioch Dunes evening primrose, Antioch Dunes evening primrose critical habitat, Contra Costa wallflower, and Contra Costa wallflower critical habitat.

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					
Associated Evaluated Species: Lange's metalmark, Antioch Dunes evening primrose, Antioch Dunes evening primrose critical habitat, Contra Costa wallflower, and Contra Costa wallflower critical habitat.					
Summary Programmatic Action Outcomes E1, E4, E5a, E8, E9, E10a, E11, E13a, E15a, E16a, E18a, E19-E25, E27a, E28, L1, L2, Q1, Q2, Q7, W1-W4, T1, M1, C1-C3, S1, S2, O1, and O2 are likely to have no discernable effect on inland dune scrub communities in the Delta Region.					

Table M-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
Ecosystem Restoration Program					
E17. Protection and enhancement of 50–100 acres of inland dune scrub.	E011701, E011702	<p>Increase in and enhancement of inland dune scrub habitat at and near the Antioch Dunes Ecological Preserve (BE1).</p> <p>Long-term protection of existing habitat areas as a result of improving land use practices adjacent to the Antioch Dunes Ecological Preserve (BE2).</p>	<p>Habitat restoration and enhancement activities in or near existing habitat areas could result in the short-term loss or degradation of habitat (AE1).</p> <p>Habitat restoration and enhancement-related activities associated with implementing actions could result in take of evaluated species (AE2).</p>	<p>To the extent practicable, avoid disturbance to existing habitat areas (M1).</p> <p>To the extent practicable, avoid direct disturbance to populations and individuals of evaluated plant species and to naked buckwheat, the host plant of the Lange's metalmark (M2).</p>	<p>Enhancement and restoration of 50-100 acres of habitat area within and adjacent to the Antioch Dunes Ecological Preserve. Potential increase in suitable Lange's metalmark habitat area from 15 acres of existing suitable habitat to approximately 60 acres.</p> <p>Long-term protection of existing habitat areas from potential adverse effects that could be associated with existing adjacent land uses.</p>

Table M-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
Bay Region					
CALFED actions proposed for the Bay Region would not affect inland dune scrub communities.					
Sacramento River Region					
CALFED actions proposed for the Sacramento River Region would not affect inland dune scrub communities.					
San Joaquin River Region					
CALFED actions proposed for the San Joaquin River Region would not affect inland dune scrub communities.					

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

Potential Beneficial Effects	Potential Adverse Effects	Conservation Measures Incorporated into the Program
Increase in and enhancement of inland dune scrub habitat at and near the Antioch Dunes Ecological Preserve (BE1).	Habitat restoration and enhancement activities in or near existing habitat areas could result in the short-term loss or degradation of habitat (AE1).	To the extent practicable, avoid disturbance to existing habitat areas (M1).
Long-term protection of existing habitat areas as a result of improving land use practices adjacent to the Antioch Dunes Ecological Preserve (BE2).	Habitat restoration and enhancement-related activities associated with implementing actions could result in take of evaluated species (AE2).	To the extent practicable, avoid direct disturbance to populations and individuals of evaluated plant species and to naked buckwheat, the host plant of the Lange's metalmark (M2).

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