

3.0 Conservation Planning Process/ Description and Area Plan Criteria of the MSHCP Conservation Area



3.3.12 REMAP Area Plan

This section identifies target acreages, applicable Cores and Linkages, Area Plan Subunits and Criteria for the REMAP Area Plan. For a summary of the methodology and map resources used to develop the target acreages and Criteria for the MSHCP Conservation Area, including this Area Plan, see *Section 3.3.1*.

➤ Target Acreages

The target conservation acreage range for the REMAP Area Plan is 192,315 – 209,385 acres; it is composed of approximately 150,915 acres of existing Public/Quasi-Public Lands and 41,400 – 58,470 acres of Additional Reserve Lands.

➤ Applicable Cores and Linkages

The MSHCP Conservation Area comprises a variety of existing and proposed Cores, Linkages, Constrained Linkages and Noncontiguous Habitat Blocks (referred to here generally as “Cores and Linkages”). The Cores and Linkages listed below are within the REMAP Area Plan. For descriptions of these Cores and Linkages and more information about the biologically meaningful elements of the MSHCP Conservation Area within the REMAP Area Plan, see *Section 3.2.3, and MSHCP Volume II, Section A*.

CORES AND LINKAGES WITHIN REMAP AREA PLAN

- Contains a portion of Proposed Core 4
- Contains a portion of Proposed Core 5
- Contains all of Proposed Core 6
- Contains a large portion of Proposed Core 7
- Contains a small portion of Proposed Linkage 11
- Contains a portion of Proposed Linkage 13
- Contains a portion of Proposed Linkage 14
- Contains all of Proposed Linkage 15
- Contains all of Proposed Linkage 16

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Descriptions of Planning Species, Biological Issues and Considerations and Criteria for each Area Plan Subunit within the REMAP Area Plan are presented later in this section. These descriptions, combined with the descriptions of the Cores and Linkages referred to above, provide information about biological issues to be considered in conjunction with Reserve Assembly within the REMAP Area Plan. As noted in *Section 3.1*, the Area Plan boundaries established as part of the Riverside County General Plan were selected to provide an organizational framework for the Area Plan Subunits and Criteria. While these boundaries are not biologically based, unlike the Cores and Linkages, they relate specifically to General Plan boundaries and the jurisdictional boundaries of incorporated Cities and were selected to facilitate implementation of the MSHCP in the context of existing institutional and planning boundaries.

➤ Area Plan Subunits

The REMAP Area Plan is divided into seven Subunits. For each Subunit, target conservation acreages are established along with a description of the Planning Species, Biological Issues and Considerations, and Criteria for each Subunit. For more information regarding specific conservation objectives for the Planning Species, see *Section 9.0*. Subunit boundaries are depicted on the Cells and Cell Groupings map displays (*Figures 3-24 and 3-25*). *Table 3-13* presents the Criteria for the REMAP Area Plan.

Subunit 1: Cactus Valley

Target acreage range for Additional Reserve Lands within Subunit: 6,020-7,590 acres

Cell Groups within this Subunit: C, D, E, F, G, H, I, J, K and D''

Cells within this Subunit (not in a Cell Group): 4511

Planning Species:

- arroyo toad
- Bell's sage sparrow
- cactus wren
- Quino checkerspot butterfly
- bobcat

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- Los Angeles pocket mouse
- mountain lion
- Stephens' kangaroo rat

Biological Issues and Considerations:

- Conserve the existing mosaic of upland Habitat east of Diamond Valley Lake and west of the San Bernardino National Forest. Conservation efforts should focus on maintenance of large block(s) of interconnected Habitat for populations of Quino checkerspot butterfly, Bell's sage sparrow, cactus wren and other species. Conservation should occur in large, interconnected habitat blocks, linking existing Public/Quasi-Public Lands.
- Conserve undeveloped uplands including agricultural land, annual grassland and coastal sage scrub that support or provide potential Habitat for Quino checkerspot butterfly.
- Maintain Core Area for bobcat.
- Maintain Core Area for mountain lion.
- Maintain scattered Core and Linkage Habitat for Stephens' kangaroo rat.
- Determine presence of potential Core Area for the Los Angeles pocket mouse in Cactus Valley.
- Maintain Core and Linkage Habitat for arroyo toad in upper Bautista Creek.

Subunit 2: Wilson Valley/Sage

Target acreage range for Additional Reserve Lands within Subunit: 26,205-35,425 acres

Cell Groups within this Subunit: L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z, A', B', C', D', E', F', G', H', I', K', G'' and H''

Cells within this Subunit (not in a Cell Group): 5885, 5915, 6064, 6089 and 7665

Planning Species:

- arroyo toad
- Bell's sage sparrow

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- cactus wren
- coastal California gnatcatcher
- Cooper's hawk
- least Bell's vireo
- loggerhead shrike
- northern harrier
- Southern California rufous-crowned sparrow
- tree swallow
- tricolored blackbird
- white-tailed kite
- yellow warbler
- Quino checkerspot butterfly
- Aguanga kangaroo rat
- bobcat
- Los Angeles pocket mouse
- mountain lion
- Stephens' kangaroo rat
- western pond turtle
- California muhly
- Jaeger's milk-vetch
- Parry's spine flower
- Payson's jewelflower

Biological Issues and Considerations:

- Conserve clay soils supporting California muhly, Jaeger's milk-vetch and Payson's jewelflower.
- Conserve existing wetlands and Habitat for western pond turtle in Wilson Creek, Cahuilla Creek, Tocalota Creek and Willow Canyon Creek.
- Conserve the existing mosaic of upland Habitat centered around Wilson Valley, including the Sage Road/Billy Goat Mountain area, for populations of Quino checkerspot butterfly, Stephens' kangaroo rat, Aguanga kangaroo rat, Bell's sage sparrow, cactus wren, and coastal California gnatcatcher among others.
- Conserve wetlands along Wilson Creek supporting least Bell's vireo and arroyo toad.
- Conserve floodplain areas supporting Parry's spine flower.

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- Provide for and maintain a continuous Linkage along Cahuilla Creek from the confluence of Cahuilla Creek and Wilson Creek to the western boundary of the Cahuilla Indian Reservation.
- Provide for and maintain a continuous Linkage from the Southwestern Riverside County Multi-Species Reserve to proposed Core Areas in the Wilson Valley along Tualota Creek.
- Maintain Core Area for bobcat.
- Maintain Core Area for mountain lion.
- Maintain known and potential localities of Aguanga kangaroo rat in tributaries to Temecula Creek.
- Determine presence of potential Core Area for Los Angeles pocket mouse.
- Maintain Core and Linkage Habitat for arroyo toad.
- Determine presence of potential Habitat for California red-legged frog.

Subunit 3: Temecula and Cottonwood Creeks

Target acreage range for Additional Reserve Lands within Subunit: 1,480-2,745 acres

Cell Groups within this Subunit: J', L', M', N', O' and F''

Cells within this Subunit (not in a Cell Group): 7737, 7743, 7805, 7809, 7813, 7880 and 7881

Planning Species:

- arroyo toad
- cactus wren
- coastal California gnatcatcher
- least Bell's vireo
- northern harrier
- tree swallow
- tricolored blackbird
- Quino checkerspot butterfly
- Aguanga kangaroo rat
- bobcat
- Los Angeles pocket mouse

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- mountain lion
- Stephens' kangaroo rat
- San Diego mountain kingsnake
- western pond turtle

Biological Issues and Considerations:

- Conserve existing wetlands in Temecula Creek and Cottonwood Creek.
- Provide for and maintain regional connections along Temecula and Cottonwood Creeks to northern San Diego County.
- Conserve stream courses and adjacent coastal sage scrub, grasslands and chaparral supporting arroyo toad, with a focus on suitable breeding, foraging, and/or aestivating Habitats along Temecula Creek.
- Provide for and maintain regional connection(s) from the Wilson Valley, Agua Tibia Mountains and the BLM Beauty Mountain Planning Area to northern San Diego County.
- Maintain Core Area for bobcat.
- Maintain Core Area for mountain lion.
- Maintain linkage area for Stephens' kangaroo rat.
- Maintain Core Area for the Aguanga kangaroo rat along Temecula Creek.
- Determine presence of potential Core Area for the Los Angeles pocket mouse along Temecula Creek.
- Maintain Core and Linkage Habitat for arroyo toad.
- Maintain Core Area for San Diego Mountain kingsnake.
- Maintain Core Area for western pond turtle.
- Maintain Core and Linkage Habitat for Quino checkerspot butterfly.

Subunit 4: Tule Creek/Anza Valley

Target acreage range for Additional Reserve Lands within Subunit: 6,415-10,615 acres

Cell Groups within this Subunit: P', Q', R', S', T', U', V', W', X', Y', Z', A'', B'', C'' and E''

Cells within this Subunit (not in a Cell Group): 7663

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Planning Species:

- Bell's sage sparrow
- cactus wren
- golden eagle (nest site)
- least Bell's vireo
- Quino checkerspot butterfly
- Aguanga kangaroo rat
- bobcat
- Los Angeles pocket mouse
- mountain lion
- Stephens' kangaroo rat
- western pond turtle
- Payson's jewelflower

Biological Issues and Considerations:

- Conserve existing wetlands and western pond turtle Habitat in Tule Creek.
- Conserve chaparral and scrub Habitat for Payson's jewelflower.
- Conserve open grasslands and sparse shrublands that support populations of Stephens' kangaroo rat, with a focus on suitable Habitat in the Anza Valley.
- Conserve the existing mosaic of upland Habitat for populations of Quino checkerspot butterfly, Bell's sage sparrow, cactus wren, and other species.
- Conserve undeveloped uplands including agricultural land, annual grassland and coastal sage scrub that support or provide potential Habitat for Quino checkerspot butterfly.
- Maintain Core Area for bobcat.
- Maintain Core Area for mountain lion.
- Determine presence of potential populations of Aguanga kangaroo rat in tributaries to Temecula Creek.
- Maintain known Core Area for Los Angeles pocket mouse and determine presence of potential Core Area for Los Angeles pocket mouse in Anza Valley.

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Subunit 5: Upper San Jacinto River

Target acreage range for Additional Reserve Lands within Subunit: 750-1,220 acres

Cell Groups within this Subunit: A and B

Cells within this Subunit (not in a Cell Group): 3723, 3725, 3726, 3824, 3826, 3935, 4035 and 4037

Planning Species:

- arroyo toad
- mountain yellow-legged frog
- Cooper's hawk
- least Bell's vireo
- yellow warbler
- bobcat
- mountain lion
- San Bernardino kangaroo rat
- western pond turtle

Biological Issues and Considerations:

- Conserve Habitat for least Bell's vireo, arroyo toad, western pond turtle, and mountain yellow-legged frog along the upper San Jacinto River.
- Maintain and enhance Linkage value of the upper San Jacinto River for wildlife movement and Live-In Habitat.
- Conserve stream courses and adjacent coastal sage scrub, grasslands and chaparral supporting arroyo toad, mountain yellow-legged frog and western pond turtle with a focus on suitable breeding, foraging, and/or aestivating Habitats along upper San Jacinto River.
- Maintain Core Area for bobcat.
- Maintain linkage area for mountain lion.
- Determine presence of possible populations of San Bernardino kangaroo rat along upper San Jacinto River.
- Determine presence of potential Core Area for Los Angeles pocket mouse along upper San Jacinto River.

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Subunit 6: Tripp Flats

Target acreage range for Additional Reserve Lands within Subunit: 520-840 acres

Cell Groups within this Subunit: 0

Cells within this Subunit (not in a Cell Group): 5709, 5716, 5810, 5824, 5828 and 5835

Planning Species:

- Quino checkerspot butterfly
- bobcat
- mountain lion
- San Bernardino mountain kingsnake

Biological Issues and Considerations:

- Conserve upland Habitat providing a connection between BLM lands and San Bernardino National Forest.
- Maintain Core Area for bobcat.
- Maintain Core Area for mountain lion.
- Maintain Core Area for San Bernardino mountain kingsnake.

Subunit 7: Southern Badlands - East

Target acreage range for Additional Reserve Lands within Subunit: 10-35 acres

Cells within this Subunit: 2469 and 2471

Planning Species:

- Bell's sage sparrow
- cactus wren
- loggerhead shrike
- Southern California rufous-crowned sparrow
- bobcat
- Los Angeles pocket mouse
- mountain lion

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- San Bernardino kangaroo rat
- Stephens' kangaroo rat

Biological Issues and Considerations:

- Conserve upland Habitat contributing to the Badlands Core Area.
- Conserve open grasslands and sparse shrublands that support populations of Stephens' kangaroo rat, with a focus on suitable Habitat in the southern Badlands.
- Maintain Habitat for bobcat.
- Maintain Habitat for mountain lion.
- Determine presence of possible populations of San Bernardino kangaroo rat in tributaries to San Jacinto River.
- Determine presence of potential populations of Los Angeles pocket mouse in tributaries.