

METHODS AND MATERIALS FOR RESERVE DESIGN
CRITERIA
LAKEVIEW/NUEVO AREA PLAN
(Preliminary Draft – Subject to Change)

This section describes the methods and materials used for reserve design for the Lakeview/Nuevo Area Plan. The approach primarily is map-based and incorporates available maps and databases, as described below. Anecdotal information from the habitat assessment workshops and communications with the wildlife agencies regarding biological issues, conservation priorities and specific project information are important components of the methodology. The following description of the reserve design methods is intended to provide the reader with the information necessary to understand and independently reconstruct the reserve design process.

➤ Target Acreages

As described in *Section 3.1* of this document, as part of the MSHCP planning process, rough conservation acreage estimates were developed. As part of those rough acreage estimates, a target acreage of 510,000 acres was established for conservation within the 1.26 million-acre MSHCP study area comprised of approximately 357,000 acres of existing public/quasi-public lands and 153,000 acres of new conservation on private lands. In conjunction with development of rough acreage estimates, target conservation acreages were also established for Area Plan areas and cities within the MSHCP study area. For the Lakeview/Nuevo Area Plan, the total target conservation acreage was 9,910 to 10,190 acres, comprised of approximately 900 acres of existing public/quasi-public lands and 9,010 to 9,290 acres of new conservation on private lands. These target acreages were used in development of the criteria-based conservation plan for the Lakeview/Nuevo Area Plan.

➤ Identify Preliminary Planning Species

Several wildlife and plant species were identified to provide guidelines for reserve design. Listed species known from the Lakeview/Nuevo Plan Area were the highest priority, with reserve design issues species such as Bell's sage sparrow (requires large patches of undisturbed habitat) and bobcat (wildlife corridors) also as high priority. The following species were chosen to provide reserve design guidance:

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- loggerhead shrike (generalist, but declining)
- burrowing owl (requires grasslands, open lowland scrub and rangelands)
- California gnatcatcher
- Bell's sage sparrow (requires large patches of undisturbed habitat)
- cactus wren
- arroyo southwestern toad
- orange-throated whiptail (indicators of high quality sage scrub and chaparral)
- granite spiny lizard
- Los Angeles pocket mouse
- bobcat (wildlife corridors)
- San Jacinto Valley crownscale (listed plant associated with Willow-Domino-Travers soils in floodplains)
- spreading navarretia (listed plant associated with Traver-Domino-Willows soil series occurring with vernal playas and vernal pools in the San Jacinto floodplain)
- thread-leaved brodiaea (listed plant associated with Traver-Domino-Willows soil occurring with vernal playas and vernal pools in the San Jacinto floodplain)
- Coulter's goldfields (sensitive plant associated with Traver-Domino-Willows soil occurring with vernal playas and vernal pools in the San Jacinto floodplain)
- Parish's brittlescale (sensitive plant associated with Traver-Domino-Willows soil occurring with vernal playas and vernal pools in the San Jacinto floodplain)
- Davidson's saltbush (sensitive plant associated with Traver-Domino-Willows soil occurring with vernal playas and vernal pools in the San Jacinto floodplain)

➤ Identify Key Biological Issues/Areas

Since the MSHCP planning process began in spring of 1999, information regarding biological resources and land planning issues has become available through the species and habitat assessment workshops, the MSHCP sensitive species database, and meetings with the wildlife agencies. The following resource issues, in no particular order of priority, were identified for the Lakeview/Nuevo Area Plan:

1. Conservation of Willow-Domino-Travers soils supporting sensitive plants such as spreading navarretia (core population), San Jacinto Valley crownscale (core population), Coulter's goldfields (core population), Parish's brittlescale, and Davidson's saltbush (core population).

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2. Conservation of clay soils intermixed with or near vernal pools occurring in the middle reaches of the San Jacinto River supporting core populations of thread-leaved brodiaea.
 3. Conservation of wetland habitats along the San Jacinto River including existing vernal playas and vernal pools and associated watersheds. Maintain watershed processes that contribute and enhance water quality and hydrologic regime.
 4. Maintain and enhance linkage value of the San Jacinto River for wildlife movement and live-in habitat.
 5. Conserve intact upland habitat block in the Lakeview Mountains for the benefit of raptors, burrowing owl, cactus wren and other MSHCP species.
- Identify General Reserve Configuration and Management Issues

The NCCP biological tenets for reserve design and other general design considerations also were incorporated:

1. Representativeness of Riverside Lowlands bioregions.
2. Representativeness of other habitats in subarea plan area.
3. Habitat contiguity
4. Large habitat blocks
5. Minimize edge effects
6. Consideration of “directional” influences such as migration/dispersal patterns, rain, wind, fire (Habitat Assessment Workshop)
7. Special microhabitats (Habitat Assessment Workshop)
8. Minimum 1.5 mile dispersal patches for gnatcatchers (Habitat Assessment Workshop)
9. Patch sizes supporting 5-10 pairs of gnatcatchers is important (Habitat Assessment Workshop) Ridgelines and riparian areas for movement of bobcats and mountain lions (Habitat Assessment Workshop)

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➤ Map Resources

The following map resources were used in the design of the hardline reserve:

- Vegetation Map (3,000-scale)
- Selected planning species (3000-scale)
- Open Space, Trails and Critical Circulation Study (includes SP areas, roads and parcels)
- CSS Habitat Quality Map (3,000 scale)
- Conceptual conservation scenario (3,000 scale acetate)
- Land use plan (3,000 scale)
- DOQQs
- Parcel Map (3,000 scale acetate)
- Existing reserves, conservation banks, BLM lands, other public lands (3,000 scale acetate)
- Soils Map (Knecht 1971)
- Edge area map
- Select Soils Map (DUDEK 2001)

➤ Methods

Drawing the hardline reserve generally involved the following steps:

1. Compile map/data sources
2. Compile area plan biological issues based on preliminary mapping, criteria analyses, pers. communications with agencies
3. Rough sketch of reserve boundaries based on map data combined with identified key biological issues, without reserves, etc. Refine map based on other constraints and opportunities (still to be completed).
 - existing and planned land uses
 - parcel maps
 - existing conserved habitat
 - minimization of edge habitat

Following drawing of the conceptual hardline reserve, the reserve within the plan area was overlain with USGS quarter sections (i.e., 160-acre cells) and a spreadsheet matrix was created

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that included an arbitrary quadrat cell identification number, USGS section, USGS quarter section, and township and range such that each cell is an area in real space with a legal description, but without being tied to a specific county assessors legal parcel. Reserve criteria were written for each cell that provide an explicit description for conservation within each quarter section cell that would allow one to generally re-create the hardline reserve. For example, a criterion for a cell might be “conserve coastal sage scrub in north one-half of cell to provide uninterrupted habitat connections to cells to west, north and east.” The criteria are written with the intent that the “naive observer” could re-create the reserve system.

➤ Results

As described under Methods, the conceptual hardline reserve assembled for the Lakeview/Nuevo Area Plan for analysis purposes was overlain with USGS quarter section cells and cell groupings. A map display was prepared depicting the cells and cell groupings as illustrated in Figure ?. Criteria were written for each cell or cell grouping to describe the anticipated conservation within each cell or cell grouping based on the conceptual hardline reserve. The criteria statements first describe the geographic configuration of a fraction or percent of a cell grouping anticipated to be conserved. A brief statement of the biological resources toward which conservation efforts in the particular cell or cell grouping should be directed is also provided. The criteria matrix for the Lakeview/Nuevo Area Plan is presented in Table ?. As noted in the footnote to the criteria matrix presented in Table ?, the criteria are based on the existing MSHCP vegetation map. It is understood that biological conditions are dynamic and will change. In cases where the vegetation description does not match existing conditions at the time of reserve assembly, the generalized geographic descriptions for each cell should take precedence to ensure that the overall reserve ultimately assembled conforms with the target acreage and generalized configuration analyzed in the MSHCP.

To further guide long-term reserve assembly and monitoring efforts, the Lakeview/Nuevo Area Plan was divided into three subunits. Subunit boundaries are depicted on the cells and cell groupings map display (Figure ?). For each subunit, target conservation acreages have been established along with a description of the general conservation objectives for each subunit. The general conservation objectives are based on the planning species and biological issues for the Lakeview/Nuevo Area Plan presented in the Methods section. Target acreages and conservation objectives for the subunits within the Lakeview/Nuevo Area Plan are presented below.

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Subunit 1: San Jacinto River - Middle Reach

Target acreage range for new conservation
on private lands within subunit:

3,250 - 3,350

Cell groups included within subunit:

A, B, C, D, E, F, G, H and I

Cells included within subunit:

2066, 2067, 2068, 2069, 2070, 2161, 2162,
2163, 2165, 2251, 2252, 2253, 2349, 2445,
2651, 2652, 2760, 2761, 2762, and 2975.

■ Key planning species within this subunit include the following:

- ! southwestern arroyo toad
- ! San Jacinto Valley crownscale
- ! spreading navarretia
- ! thread-leaved brodiaea
- ! Coulter's goldfields
- ! Parish's brittlescale
- ! Davidson's saltbush

■ Conservation objectives within subunit:

- ! Conservation of Willow-Domino-Travers soils supporting sensitive plants such as spreading navarretia (core population), San Jacinto Valley crownscale (core population), Coulter's goldfields (core population), Parish's brittlescale, and Davidson's saltbush (core population).
- ! Conservation of clay soils intermixed with or near vernal pools occurring in the middle reaches of the San Jacinto River supporting core populations of thread-leaved brodiaea.
- ! Conservation of wetland habitats along the San Jacinto River including existing vernal playas and vernal pools and associated watersheds. Maintain watershed processes that contribute and enhance water quality and hydrologic regime.
- ! Maintain and enhance linkage value of the San Jacinto River for wildlife movement and live-in habitat.

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Subunit 2: Lakeview Mountains - West

Target acreage range for new conservation
on private lands within subunit:

5,760 - 5,940

Cell groups included within subunit:

L, M, N, O, P, and Q.

Cells included within subunit:

2448, 2553, 2554, 2656, 2657, 2658, 2752,
2754, 2845, 2980, 3077, 3092, 3292, and
3295.

Conservation objectives within subunit:

■ Key planning species within this subunit include the following:

- ! loggerhead shrike
- ! burrowing owl
- ! California gnatcatcher
- ! Bell's sage sparrow
- ! cactus wren
- ! orange-throated whiptail
- ! granite spiny lizard
- ! Los Angeles pocket mouse
- ! bobcat

■ Important biological issues within this subunit include:

- ! Conserve intact upland habitat blocks, consisting of grasslands, open lowland scrub, rangelands and chaparral, in the Lakeview Mountains for the benefit of raptors, burrowing owl, cactus wren and other MSHCP species; and
- ! Conserve grasslands adjacent to sage scrub for foraging habitat for raptors.

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CELL GROUP	QUADRAT NUMBER	TOWNSHIP AND RANGE	USGS SECTION	QUARTER SECTION	CRITERIA
Subunit 1: San Jacinto River - Middle Reach					
A	3175	T4S-R3W	34	SW	Conserve west three-fourths of cell less the south-central one-eighth of cell. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to cell groups B and C to the north and to wetland habitats to the west.
	3176	T4S-R3W	34	SE	
B	3071	T4S-R3W	34	NE	Conserve west three-fourths of cell less the south-central one-eighth of cell. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to cell group C to the west, cell group D and cell #2975 to the north and cell group A to the south.
	3072	T4S-R3W	35	NW	
C	2870	T4S-R3W	27	NW	Conserve south two-thirds of cell grouping. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to cell groups D and B to the east, cell group A to the south and to wetlands to the west.
	2970	T4S-R3W	27	SW	
	3070	T4S-R3W	34	NW	
D	2867	T4S-R3W	27	NE	Conserve south three-fourths of cell grouping. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to cell group C to the west, cell group B to the south and cell group E and cell #2975 to the south.
	2971	T4S-R3W	27	SE	
E	2863	T4S-R3W	26	NE	Conserve west three-fourths of cell grouping. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to cell group D to the west, cell #2975 to the south and cell #2762 and 2761.
	2865	T4S-R3W	26	NW	
F	2547	T4S-R3W	14	SE	Conserve the east 75% of cell grouping. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to cell group G to the north, cell group H to the east, and cell # 2651 and 2652 to the south.
	2548	T4S-R3W	13	SW	
G	2442	T4S-R3W	14	NE	Conserve the east 60% of cell grouping. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to cell group I to the north, cell group H to the east, and cell group F to the south.
	2443	T4S-R3W	13	NW	
H	2444	T4S-R3W	13	NE	Conserve the northwest 75% of cell grouping. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to cell groups F and G to the west, cell group I to the north, and cell #2445 to the east.
	2549	T4S-R3W	13	SE	

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CELL GROUP	QUADRAT NUMBER	TOWNSHIP AND RANGE	USGS SECTION	QUARTER SECTION	CRITERIA
I	2347	T4S-R3W	12	SW	Conserve the east one-half of cell grouping plus the south one-third of the west half of cell grouping. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent grasslands. Provide habitat connectivity to cell groups G and H to the south, cell #2251 and 2252 to the north, and cell # 2349 to the east.
	2348	T4S-R3W	12	SE	
	2066	T4S-R2W	05	NE	Conserve the east one-half less the north one-third of cell. Focus conservation on Travers soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to adjacent public reserves to the west and north.
	2067	T4S-R2W	04	NW	Conserve the southeast 80% of cell. Focus conservation on Travers soils co-occurring in the San Jacinto River and adjacent agricultural lands.
	2068	T4S-R2W	04	NE	Conserve northwest quarter, northeast one-eighth corner and west one-eighth of the southwest quarter of cell. Focus conservation on Travers soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to cell #2067 to the west, and 2069 to the east.
	2069	T4S-R2W	03	NW	Conserve northern most one-eighth of cell. Focus conservation on Travers soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to cell #2068 to the west.
	2070	T4S-R2W	03	NE	Conserve 25% percent of the southwestern half of cell. Focus conservation on Travers soils co-occurring in the San Jacinto River and adjacent agricultural lands.
	2161	T4S-R2W	05	SE	Conserve east one-half of cell. Focus conservation on Travers soils co-occurring in the San Jacinto River and adjacent agricultural lands.
	2162	T4S-R2W	04	SW	Conserve northern most one-eighth of cell and western most one-eighth of cell. Focus conservation on Travers soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to cell #2161 to the west and cell # 2067 to the north.
	2163	T4S-R2W	04	SE	Conserve 3% of northwest corner of cell. Focus conservation on Travers soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to cell #2162 to the west.
	2165	T4S-R2W	03	SE	Conserve 30% of the northeast corner of cell. Focus conservation on Travers soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to cell #2070 to the north.
	2251	T4S-R3W	12	NE	Conserve the south one-half of cell less one-eighth of the southwest corner. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent grasslands.
	2252	T4S-R2W	07	NW	Conserve the south one-half of cell. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent grasslands.
	2253	T4S-R2W	07	NE	Conserve southeast one-eighth of cell. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to cell #2252 to the west.
	2349	T4S-R2W	07	SW	Conserve west two-thirds of cell. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands.
	2445	T4S-R2W	18	NW	Conserve northwest one-third of cell. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands. Provide habitat connectivity to cell #2444 to the west and cell #2349 to the north.
	2651	T4S-R3W	23	NE	Conserve southwest 80% of cell. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands.
	2652	T4S-R3W	24	NW	Conserve west three-fourths of cell less one-eighth of the southeast corner of cell. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands.

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CELL GROUP	QUADRAT NUMBER	TOWNSHIP AND RANGE	USGS SECTION	QUARTER SECTION	CRITERIA
					Jacinto River and adjacent agricultural lands.
	2760	T4S-R3W	24	SW	Conserve northwest one-eighth of cell. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands.
	2761	T4S-R3W	23	SE	Conserve northwest 80% of cell. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands.
	2762	T4S-R3W	23	SW	Conserve southeast one-fourth of cell. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands.
	2975	T4S-R3W	26	SW	Conserve west two-thirds of cell. Focus conservation on Willows soils co-occurring in the San Jacinto River and adjacent agricultural lands.
Subunit 2: Lakeview Mountains - West					
J	2555	T4S-R2W	16	SE	Conserve south three-fourths of cell grouping. Focus conservation on large intact habitats blocks consisting of coastal sage scrub and chaparral to connect to chaparral and coastal sage scrub in cell #2554 to the west, cell #2659 to the south and to cell group K to the east.
	2659	T4S-R2W	21	NE	
K	2258	T4S-R2W	10	NW	Conserve 80% of cell grouping. Focus conservation on large intact habitat blocks consisting of chaparral, coastal sage scrub, grasslands, and Riversidean alluvial fan sage scrub intermixed with agricultural lands in order to preserve core habitat in the Lakeview Mountains.
	2260	T4S-R2W	11	NW	
	2355	T4S-R2W	10	SW	
	2356	T4S-R2W	10	SE	
	2357	T4S-R2W	11	SW	
	2451	T4S-R2W	15	NW	
	2452	T4S-R2W	15	NE	
	2453	T4S-R2W	14	NW	
	2556	T4S-R2W	15	SW	
	2557	T4S-R2W	15	SE	
	2558	T4S-R2W	14	SW	
	2660	T4S-R2W	22	NW	
	2661	T4S-R2W	22	NE	
	2662	T4S-R2W	23	NW	
	2663	T4S-R2W	23	NE	
	2768	T4S-R2W	23	SE	
	2771	T4S-R2W	22	SW	
	2772	T4S-R2W	23	SW	
	2773	T4S-R2W	22	SE	

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CELL GROUP	QUADRAT NUMBER	TOWNSHIP AND RANGE	USGS SECTION	QUARTER SECTION	CRITERIA
	2873	T4S-R2W	26	NE	
	2876	T4S-R2W	26	NW	
	2883	T4S-R2W	27	NW	
	2978	T4S-R2W	26	SE	
	2983	T4S-R2W	26	SW	
	2989	T4S-R2W	27	SW	
	3079	T4S-R2W	35	NE	
	3084	T4S-R2W	35	NW	
	3093	T4S-R2W	34	NW	
L	2753	T4S-R2W	21	SW	
	2767	T4S-R2W	21	SE	
M	2879	T4S-R2W	28	NW	Conserve southwest 75% of cell grouping. Focus conservation on large intact habitat blocks consisting of chaparral, coastal sage scrub and grasslands in order to preserve core habitat in the Lakeview Mountains.
	2880	T4S-R2W	28	NE	
N	2974	T4S-R2W	28	SW	Conserve north two-thirds of cell grouping. Focus conservation on large intact habitat blocks consisting of chaparral, coastal sage scrub and grassland in order to preserve core habitat in the Lakeview Mountains.
	3088	T4S-R2W	33	NW	
	3192	T4S-R2W	33	SW	
O	2965	T4S-R2W	29	SW	Conserve east two-thirds of cell grouping. Focus conservation on chaparral and coastal sage scrub habitat in order to preserve core habitat in the Lakeview Mountains.
	2967	T4S-R2W	29	SE	
P	3078	T4S-R2W	32	NW	Conserve east three-fourths of cell grouping and southwest one-sixteenth of cell grouping. Focus conservation on large intact habitat blocks consisting of chaparral, coastal sage scrub and grassland habitat in order to preserve core habitat in the Lakeview Mountains.
	3082	T4S-R2W	32	NE	
Q	3186	T4S-R2W	32	SW	Conserve northwest 80% of cell grouping. Focus conservation on large intact habitat blocks consisting of chaparral, coastal sage scrub and grassland habitat in order to preserve core habitat in the Lakeview Mountains.


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
CELL GROUP	QUADRAT NUMBER	TOWNSHIP AND RANGE	USGS SECTION	QUARTER SECTION	CRITERIA
	3188	T4S-R2W	32	SE	
	2448	T4S-R2W	17	NE	Conserve southeast 6% of cell. Focus conservation on grassland habitat and adjacent agricultural lands in order to preserve core habitat in the Lakeview Mountains.
	2553	T4S-R2W	17	SE	Conserve northeast 20% of cell. Focus conservation on grassland habitat and adjacent agricultural lands in order to preserve core habitat in the Lakeview Mountains.
	2554	T4S-R2W	16	SW	Conserve northeast, southeast and southwest quarters of cell. Conserve northwest one-eighth of cell, including grasslands and agricultural lands, such that habitat connectivity is provided between grasslands to the west and chaparral and coastal sage scrub habitats to the east.
	2656	T4S-R2W	20	NW	Conserve east-central one-eighth of cell. Focus conservation on chaparral habitat.
	2657	T4S-R2W	20	NE	Conserve east three-fourths of cell and west-central one-eighth of cell such that habitat connectivity is provided to chaparral habitat located in cell #2656 to the west and to public reserve land to the east. Focus conservation on chaparral habitat and agricultural lands in order to preserve core habitat in the Lakeview Mountains.
	2658	T4S-R2W	21	NW	Conserve east 80% of cell. Focus conservation on chaparral and agricultural lands in the Lakeview Mountains.
	2752	T4S-R2W	20	SE	Conserve west one-half of cell less the northwest one-eighth of cell. Focus conservation on grasslands and provide habitat connectivity to grasslands in cell #2754 to the west and cell #2845 to the south.
	2754	T4S-R2W	20	SW	Conserve east 6% of cell. Focus conservation on grasslands and provide habitat connectivity to grasslands in cell #2752 to the east.
	2845	T4S-R2W	29	NE	Conserve east one-half of cell less northeast one-eighth corner of cell. Conserve west one-half of cell less western most one-sixth of cell along cell boundary. Focus conservation on grasslands, chaparral and coastal sage scrub habitats and provide habitat connectivity to grasslands in cell #2752.
	2980	T4S-R2W	28	SE	Conserve 70% of cell. Focus conservation on coastal sage scrub and chaparral occurring in the west one-half of cell, the northeast one-eighth of cell and southeast of one-fourth of cell.
	3077	T4S-R2W	31	NE	Conserve southeast 6% of cell. Focus conservation on grasslands and coastal sage scrub habitats in order to preserve core habitat in the Lakeview Mountains.
	3092	T4S-R2W	33	NE	Conserve north 80% of cell. Focus conservation on chaparral habitat in order to preserve core habitat in the Lakeview Mountains.
	3292	T5S-R2W	05	NE	Conserve northeast one-fourth of cell. Focus conservation on coastal sage scrub habitat in order to preserve core habitat in the Lakeview Mountains.
	3295	T5S-R2W	05	NW	Conserve northeast quarter of cell and west one-half less southwest one-eighth of cell. Focus conservation on coastal sage scrub habitat in order to preserve core habitat in the Lakeview Mountains.

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 Quarter Section With Unique ID

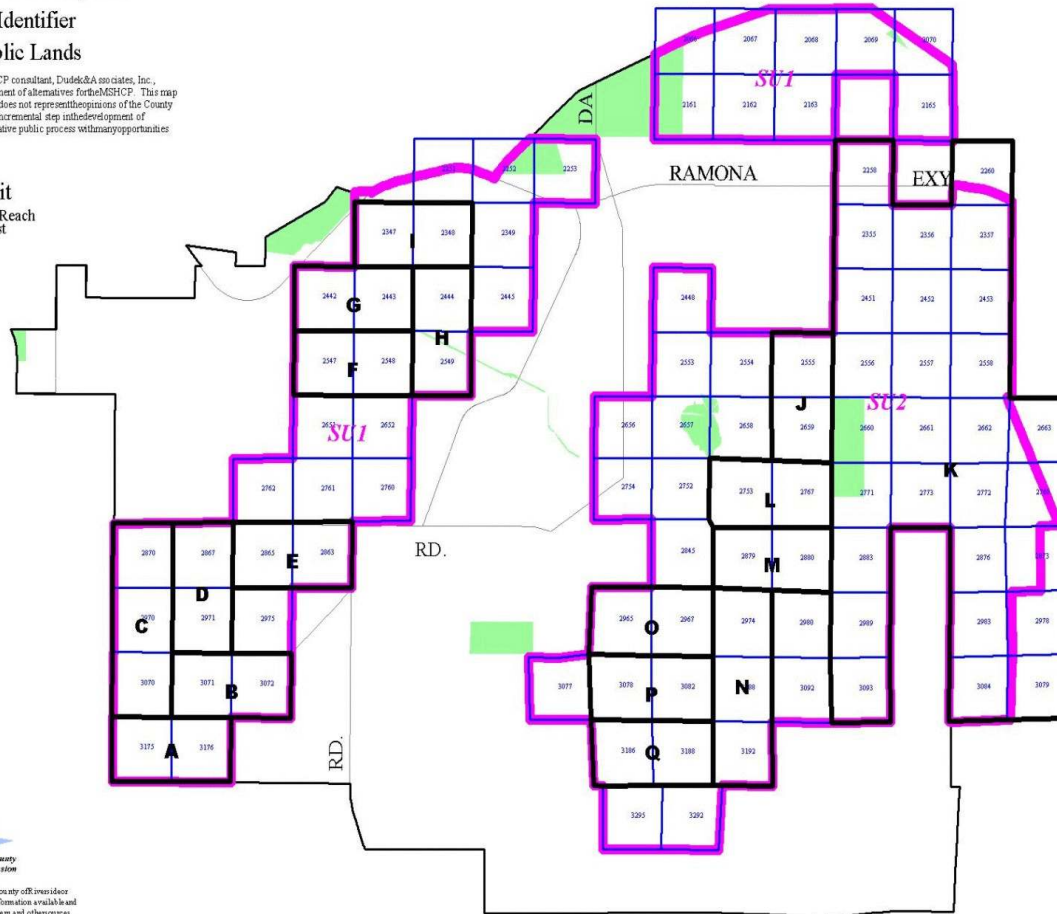
 Cell Group with Identifier

 Public/Quasi-Public Lands

This map has been prepared by the County's MSHCP consultant, Dudek&Associates, Inc., for informational purposes to assist in the development of alternatives for the MSHCP. This map is the work product of the MSHCP consultant and does not represent the opinions of the County or other agencies or stakeholders. This map is an incremental step in the development of the MSHCP. Preparation of the MSHCP is an iterative public process with many opportunities for public review.

 Area Plan Subunit

SU1 = San Jacinto River, Middle Reach
SU2 = Lake View Mountains West



This map is a draft document only and has yet to be verified by the County or its representatives. This map may not represent the most current information available and might be revised without prior notice. The geographic information system and other resources should be regarded for the most current information. This map or any information presented on it, shall not be reproduced or transmitted in any form or by any means, electronic, mechanical, including photocopying and recording.



0 1 Miles
June 29, 2001

Lakeview/Nuevo Area Plan With Quarter Sections, Cell Groups & Subunits Keyed to MSHCP Criteria



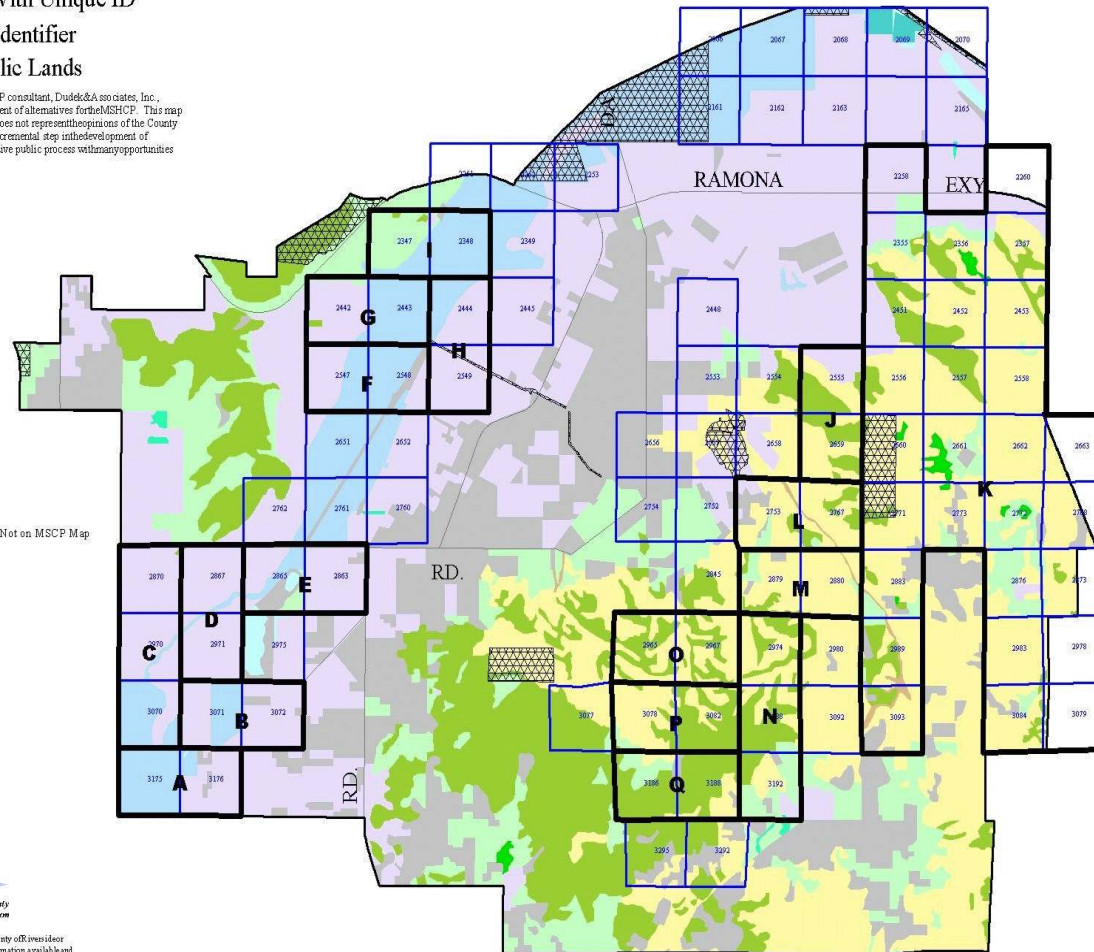
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- 3851 Quarter Section With Unique ID
- A Cell Group with Identifier
- Public/Quasi-Public Lands

This map has been prepared by the County's MSHCP consultant, Dudek&Associates, Inc., for informational purposes to assist in the development of alternatives for the MSHCP. This map is the work product of the MSHCP consultant and does not represent the opinions of the County or other agencies or stakeholders. This map is an incremental step in the development of the MSHCP. Preparation of the MSHCP is an iterative public process with many opportunities for public review.

- Vegetation Types:**
- Montane Coniferous Forest
 - Woodlands and Forests
 - Coastal Sage Scrub
 - Riversidean Alluvial Fan Sage Scrub, Not on MSCP Map
 - Desert Scrubs
 - Chaparral
 - Playas and Vernal Pools
 - Grassland
 - Riparian Scrub, Woodland, Forest
 - Meadow, Not MSCP
 - Meadows and Marshes
 - Cismontane Alkali Marsh
 - Water
 - Developed, Disturbed Land
 - Agricultural Land



This map is a draft document only and has yet to be verified by the County of Riverside or their representatives. This map may not represent the most current information available and might be revised without prior notice. The geographic information system and other sources should be consulted for the most current information. This map or any information presented on it, shall not be reproduced or transmitted in any form or by any means, electronic, mechanical, including photocopying and recording.



0 1 Miles
June 29, 2001

Lakeview/Nuevo Area Plan With Vegetation, Quarter Sections and Cell Groups Keyed to MSHCP Criteria

