

# 2014 Land Use by Jurisdiction

Land Use Code	Land Use Description	Jurisdiction Name													Grand Total
		BANNING	BEAUMONT	CANYON LAKE	HEMET	LAKE ELSINORE	MENIFEE	MORENO VALLEY	MURRIETA	PERRIS	RIVERSIDE	SAN JACINTO	WILDOMAR	RIVERSIDE COUNTY	
1111	High-Density Single Family Residential	127.8	1,368.9	1,160.1	3,797.5	2,769.0	6,344.1	9,785.6	158.8	2,958.9	533.7	2,573.6	735.9	3,473.8	35,787.8
1112	Low-Density Single Family Residential		49.4	12.9	527.1	233.7	1,057.9	1,378.6	3.1	363.2		338.9	820.6	2,819.2	7,604.6
1121	Mixed Multi-Family Residential		3.9	1.7	3.4	1.6						26.3		1.4	38.3
1122	Duplexes, Triplexes, and 2- or 3-Unit Condominiums and Townhouses		18.4		272.6	44.7	74.6	60.6		14.1		44.4		57.6	587.0
1123	Low-Rise Apartments, Condominiums, and Townhouses	14.5	38.4	20.2	306.5	125.6	192.8	373.9	20.7	109.6		86.2		60.8	1,349.2
1124	Medium-Rise Apartments and Condominiums				16.0	7.7	15.3	90.3		4.9					134.2
1131	Trailer Parks and Mobile Home Courts, High Density		35.9	28.8	1,158.6	62.9	175.3	130.7		54.6		235.9	19.7	639.4	2,541.8
1132	Mobile Home Courts and Subdivisions, Low Density				49.8	0.0	26.2			221.4		38.0	134.4	611.7	1,081.5
1140	Mixed Residential		4.1		48.0			27.7		30.2		13.5		25.1	148.7
1151	Rural Residential High Density					0.0	19.3	4.4		4.8			53.0	511.0	592.6
1152	Rural Residential Low Density		10.0	52.0	57.5	4.3	2,821.2	153.7	3.3	348.9		115.0	277.0	16,435.5	20,278.4
1211	Low- to Medium-Rise Major Office Use	4.1	15.5		115.0	12.9	30.1	80.3		43.6		23.1	1.0	13.4	338.9
1222	Retail Centers (Non-Strip with Contiguous Interconnected Off-Street Parking)	26.1	92.3		289.5	93.8	153.7	405.7	11.7	131.7		75.9		24.8	1,305.2
1223	Modern Strip Development	10.1	80.8	22.3	369.7	146.8	198.1	304.7	14.8	276.9		148.8	35.5	335.0	1,943.5
1224	Older Strip Development				26.0					12.2		9.2			47.3
1231	Commercial Storage		16.9	8.9	59.9	10.4	68.9	61.6	6.0	18.5		26.7	21.1	84.0	383.1
1232	Commercial Recreation				5.6	166.9		3.1		47.6		6.8	0.1	163.3	393.5
1233	Hotels and Motels	0.3	1.1	0.8	20.9	20.4	4.4	10.0		3.6		2.6		37.0	101.1
1241	Government Offices				51.1	2.9	15.0	48.1		38.5		21.0	11.9	55.8	244.2
1242	Police and Sheriff Stations		2.6		3.9			8.8		9.5		1.6			26.4
1243	Fire Stations		2.0	1.1	7.6	4.8	7.4	11.4		10.0		4.7		26.5	75.6
1244	Major Medical Health Care Facilities	7.2			8.8		10.2	70.8							96.9
1245	Religious Facilities		32.6	8.0	95.2	27.4	79.9	144.1		27.8	5.8	50.2	31.9	160.2	663.0
1246	Other Public Facilities		3.2		31.5	1.3	17.7	10.6		81.9		9.1	1.6	67.3	224.2
1247	Non-Attended Public Parking Facilities					0.0									0.0
1252	Special Care Facilities		5.4		32.5		5.8	4.4		19.5		4.8		51.8	124.3

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1253	Other Special Use Facilities		3.8		20.2	2.0	3.0	5.9		10.1		6.1	7.7	646.9	705.8
1261	Pre-Schools/Day Care Centers				0.0	1.0	3.3	16.3		11.4				5.0	37.0
1262	Elementary Schools		35.9		100.2	72.1	149.0	266.2	15.8	118.1	14.2	87.0	22.2	131.7	1,012.5
1263	Middle Schools		31.5		64.0	62.3	87.0	192.0		17.1	15.5	47.6		82.5	599.5
1264	Senior High Schools		11.3		146.5	72.4	145.9	277.7		88.1		70.5	54.0	154.3	1,020.6
1265	Colleges and Universities						48.5	51.3		3.3		89.3		45.4	237.8
1266	Trade Schools													2.1	2.1
1271	Base (Built-Up Area)													637.3	637.3
1272	Vacant Area							3.3		1.3				1,006.0	1,010.6
1273	Air Field							1.2						1,142.3	1,143.5
1274	Former Military Base (Built-Up Area)													5.3	5.3
1311	Manufacturing, Assembly, and Industrial Services		20.1		161.5	17.0	111.4	71.7	3.1	375.9		133.7	7.3	170.8	1,072.5
1313	Packing Houses and Grain Elevators											3.7		14.6	18.3
1314	Research and Development													11.0	11.0
1321	Manufacturing						6.3								6.3
1323	Open Storage		0.3		39.5	4.9	165.1	47.0		389.1		48.6	14.8	130.1	839.4
1331	Mineral Extraction - Other Than Oil and Gas				11.0		18.3			0.1			30.2	218.9	278.5
1340	Wholesaling and Warehousing					12.9	10.2	842.2		613.5				371.1	1,850.0
1411	Airports				140.8	112.7				53.5				9.6	316.5
1412	Railroads	4.5	25.0		5.7					21.3				10.2	66.6
1413	Freeways and Major Roads	8.8	40.4	25.4	91.8	105.0	391.4	521.4	31.9	291.3		153.4	122.7	567.5	2,351.1
1414	Park and Ride Lots							2.4							2.4
1415	Bus Terminals and Yards		2.4		17.9		5.6	3.9		17.1			6.1	2.1	55.1
1416	Truck Terminals									6.3				34.1	40.4
1420	Communication Facilities				7.1					1.9				23.3	32.4
1431	Electrical Power Facilities	1.9	113.2		9.1	0.0	232.9	33.3		77.7		0.2	3.0	445.2	916.5
1432	Solid Waste Disposal Facilities					40.5		20.2		35.2				778.2	874.0
1433	Liquid Waste Disposal Facilities					12.2		141.9		171.9				46.2	372.2

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1434	Water Storage Facilities			11.9	104.2	156.2	16.8	26.9		58.1	0.9	34.7	5.5	508.7	923.9
1435	Natural Gas and Petroleum Facilities		0.9				1.6	20.0						1.9	24.3
1436	Water Transfer Facilities		4.2		46.7	2.0	130.5	11.2		11.4		395.7	12.8	343.6	958.1
1437	Improved Flood Waterways and Structures		71.1	0.3	406.1	71.4	520.5	465.9	25.9	626.5		399.5	4.2	1,511.6	4,103.0
1439	Unimproved Flood Ways (formerly 1438 in WRCAC)											219.4		204.5	423.9
1440	Maintenance Yards				34.3		35.4	28.9		21.0		17.6		19.1	156.4
1450	Mixed Transportation						74.9			202.2				292.6	569.7
1460	Mixed Transportation and Utility				70.3									21.6	92.0
1500	Mixed Commercial and Industrial				20.5	8.2	2.0	18.7		47.0		38.3		12.5	147.1
1600	Mixed Urban				8.0		15.6			9.2		16.7		14.6	64.2
1700	Under Construction		209.4		49.5	441.4	390.9	105.5		341.6		20.9	9.0	116.2	1,684.3
1810	Golf Courses	44.1	0.1	105.6	405.5	168.7	568.0	251.3				164.1		398.8	2,106.0
1821	Developed Local Parks and Recreation	1.3	44.6	29.1	251.3	125.2	241.8	216.2	8.4	145.5	15.0	158.4	14.3	88.8	1,339.9
1831	Developed Regional Parks and Recreation							0.0		39.8		36.9		576.9	653.6
1832	Undeveloped Regional Parks and Recreation						0.2	20.3		644.0		1.1		2,813.7	3,479.4
1840	Cemeteries		6.8		1.5		10.2			20.0		44.6		312.5	395.6
1850	Wildlife Preserves and Sanctuaries					327.0						55.2		702.9	1,085.1
1851	CDFG Wildlife Area - Davis Unit							1,325.8		0.0				8,753.9	10,079.7
1852	CDFG Wildlife Area - Portrero Unit		7,828.4											1,294.2	9,122.6
1880	Other Open Space and Recreation		36.1	19.1	118.0	114.1	75.4	63.9		54.1		43.7		814.2	1,338.6
2110	Irrigated Cropland and Improved Pasture Land				408.9		873.4	53.0		2,094.6		2,997.7		12,745.1	19,172.7
2120	Non-Irrigated Cropland and Improved Pasture Land		4.2		1,540.0		2,831.7	3,346.7	29.3	1,901.2		490.1	21.7	3,345.9	13,510.8
2121	Vacant Zoned Agriculture				1,183.4		810.7					0.0		11,042.1	13,036.2
2200	Orchards/Vineyards Undifferentiated		6.4		0.8		10.2	11.2		32.9		23.6	10.0	243.1	338.0
2210	Citrus				13.5	1.0	19.8	6.8				0.3	10.0	3,173.1	3,224.5

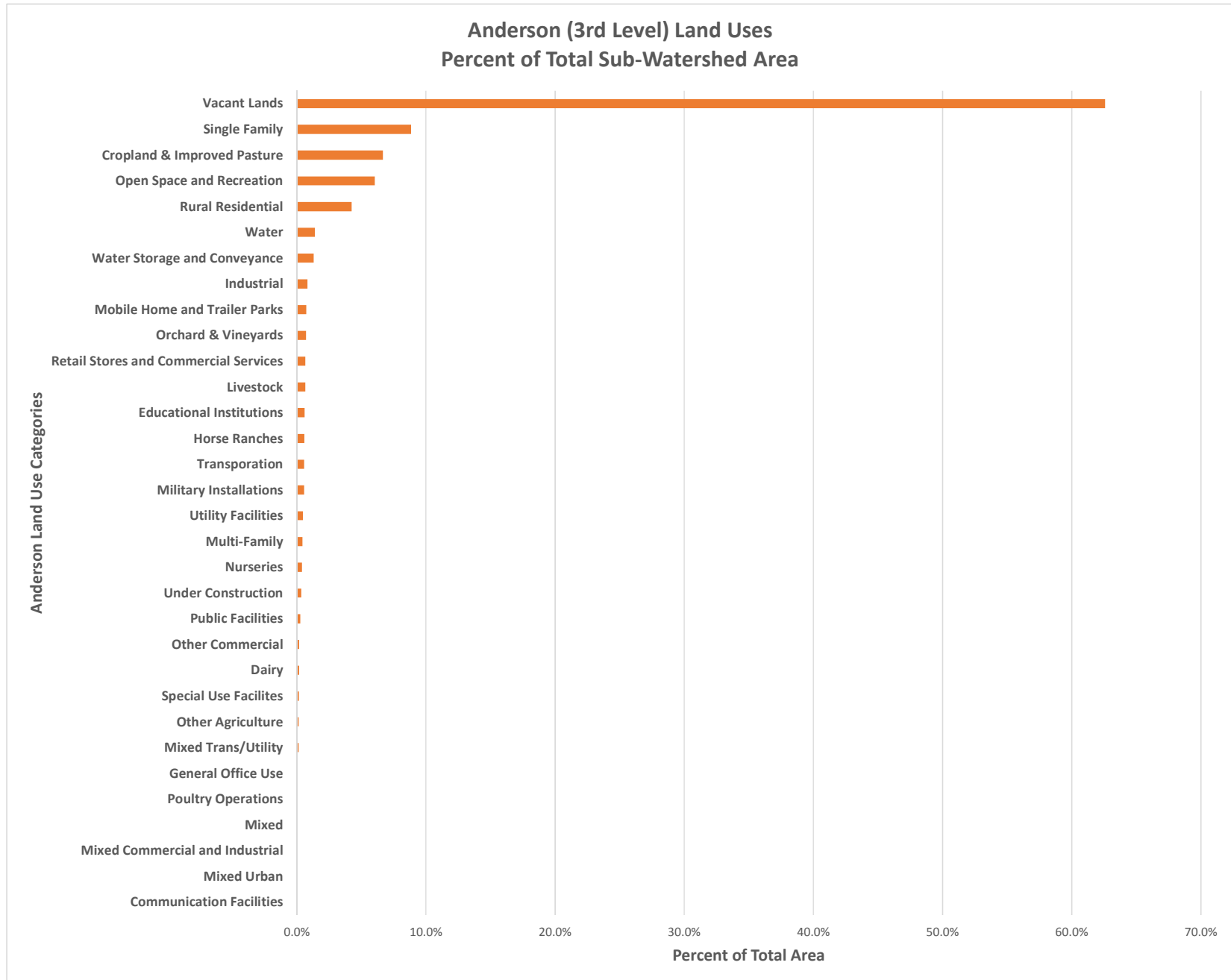
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Land Use Code	Land Use Description	Jurisdiction Name												Grand Total	
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2300	Nurseries Undifferentiated				0.7		75.1	50.4		7.0		30.4	12.4	595.0	771.0
2310	Turf Farms											332.5		893.1	1,225.7
2320	Christmas Tree Farms						5.9							6.5	12.4
2411	Dairies - Intensive				19.8							392.8	4.0	423.8	840.4
2412	Dairies - Non-Intensive				44.2							607.2	2.5	387.4	1,041.3
2413	Abandoned Dairies						75.7					102.5		197.8	376.0
2420	Other Livestock						9.3					4.2		55.9	69.4
2500	Poultry Operations				8.6							67.0		196.4	272.0
2600	Other Agriculture Undifferentiated				42.5		20.2	3.2		5.6		23.5	3.3	378.0	476.3
2610	Manure Piles						9.8			9.3		40.7		154.0	213.9
2620	Backyard Livestock		0.3		44.2	1.6	303.3	82.0	0.1	13.1		42.6	16.4	1,203.8	1,707.3
2700	Horse Ranches			8.0	252.8		310.1	26.5	11.1			243.7		2,000.6	2,852.8
3100	Vacant Undifferentiated	86.5	1,976.1	950.6	3,753.5	6,502.2	7,550.1	8,312.3	89.6	6,621.4	3.6	4,715.2	2,534.0	246,999.8	290,095.1
3200	Abandoned Orchards and Vineyards							22.5						8.7	31.1
3300	Vacant With Limited Improvements			0.2	289.8	64.3	1,224.2	723.5		218.8		379.8	7.3	754.6	3,662.5
4100	Water, Undifferentiated	1.1		491.0	21.1	3,073.5	150.4	72.4		24.4		29.8	1.0	3,039.3	6,904.0
<b>Grand Total</b>		<b>338.2</b>	<b>12,253.9</b>	<b>2,958.2</b>	<b>17,309.3</b>	<b>15,308.7</b>	<b>29,059.5</b>	<b>30,932.2</b>	<b>433.5</b>	<b>20,284.5</b>	<b>588.8</b>	<b>16,667.0</b>	<b>5,080.1</b>	<b>338,993.2</b>	<b>490,207.0</b>

# Aggregated 2014 Land Use

Land Use Description	City Names													Grand Total
	BANNING	BEAUMONT	CANYON LAKE	HEMET	LAKE ELSINORE	MENIFEE	MORENO VALLEY	MURRIETA	PERRIS	RIVERSIDE	SAN JACINTO	WILDORMAR	RIVERSIDE COUNTY	
Rural Residential		10.0	52.0	57.5	4.4	2,840.5	158.2	3.3	353.7		115.0	330.0	16,946.5	20,871.0
Single Family	127.8	1,418.3	1,173.1	4,324.7	3,002.6	7,402.0	11,164.2	161.9	3,322.1	533.7	2,912.5	1,556.5	6,293.0	43,392.4
Multi-Family	14.5	60.7	21.9	598.5	179.6	282.6	524.8	20.7	128.7		156.9		119.8	2,108.6
Mobile Home and Trailer Parks		35.9	28.8	1,208.4	62.9	201.5	130.7		276.0		273.9	154.1	1,251.0	3,623.3
Mixed		4.1		48.0			27.7		30.2		13.5		25.1	148.7
General Office Use	4.1	15.5		115.0	12.9	30.1	80.3		43.6		23.1	1.0	13.4	338.9
Retail Stores and Commercial Services	36.1	173.1	22.3	685.2	240.7	351.9	710.4	26.5	420.7		233.9	35.5	359.8	3,296.0
Other Commercial	0.3	18.1	9.7	86.5	197.7	73.3	74.7	6.0	69.7		36.1	21.2	284.3	877.6
Public Facilities	7.2	40.4	9.1	198.1	36.4	130.2	293.9		167.8	5.8	86.5	45.3	309.8	1,330.4
Special Use Facilities		9.3		52.7	2.0	8.9	10.3		29.5		11.0	7.7	698.7	830.1
Educational Institutions		78.6		310.7	207.8	433.7	803.4	15.8	238.1	29.7	294.4	76.1	421.0	2,909.4
Military Installations							4.5		1.3				2,790.9	2,796.7
Cropland & Improved Pasture		4.2		1,948.9		3,705.1	3,399.7	29.3	3,995.8		3,487.8	21.7	16,091.1	32,683.5
Orchard & Vineyards		6.4		14.3	1.0	29.9	18.0		32.9		23.9	20.0	3,416.1	3,562.5
Nurseries				0.7		81.0	50.4		7.0		363.0	12.4	1,494.6	2,009.0
Dairy				19.8							392.8	4.0	423.8	840.4
Livestock		0.3		88.4	1.6	388.3	82.0	0.1	13.1		756.5	18.9	1,844.9	3,194.1
Poultry Operations				8.6							67.0		196.4	272.0
Other Agriculture				42.5		30.0	3.2		14.9		64.2	3.3	532.0	690.2
Horse Ranches			8.0	252.8		310.1	26.5	11.1			243.7		2,000.6	2,852.8
Industrial		20.5		212.0	34.8	311.3	961.0	3.1	1,378.5		186.0	52.2	916.5	4,075.9
Transportation	13.3	67.8	25.4	256.1	217.7	397.0	527.7	31.9	389.4		153.4	128.9	623.5	2,832.0
Communication Facilities				7.1					1.9				23.3	32.4
Utility Facilities	1.9	114.1		43.4	52.7	269.9	244.2		305.8		17.8	3.0	1,290.6	2,343.5
Water Storage and Conveyance		75.3	12.2	557.0	229.5	667.8	504.0	25.9	695.9	0.9	1,049.4	22.6	2,568.4	6,408.9
Mixed Trans/Utility				70.3		74.9			202.2				314.2	661.7
Mixed Commercial and Industrial				20.5	8.2	2.0	18.7		47.0		38.3		12.5	147.1
Mixed Urban				8.0		15.6			9.2		16.7		14.6	64.2
Under Construction		209.4		49.5	441.4	390.9	105.5		341.6		20.9	9.0	116.2	1,684.3
Open Space and Recreation	45.4	7,915.9	153.9	776.3	734.9	895.6	1,877.5	8.4	903.5	15.0	504.0	14.3	15,755.9	29,600.5
Vacant Lands	86.5	1,976.1	950.8	5,226.8	6,566.5	9,585.0	9,058.3	89.6	6,840.2	3.6	5,095.1	2,541.4	258,805.1	306,824.9
Water	1.1		491.0	21.1	3,073.5	150.4	72.4		24.4		29.8	1.0	3,039.3	6,904.0
<b>Grand Total</b>	<b>338.2</b>	<b>12,253.9</b>	<b>2,958.2</b>	<b>17,309.3</b>	<b>15,308.7</b>	<b>29,059.5</b>	<b>30,932.2</b>	<b>433.5</b>	<b>20,284.5</b>	<b>588.8</b>	<b>16,667.0</b>	<b>5,080.1</b>	<b>338,993.2</b>	<b>490,207.0</b>

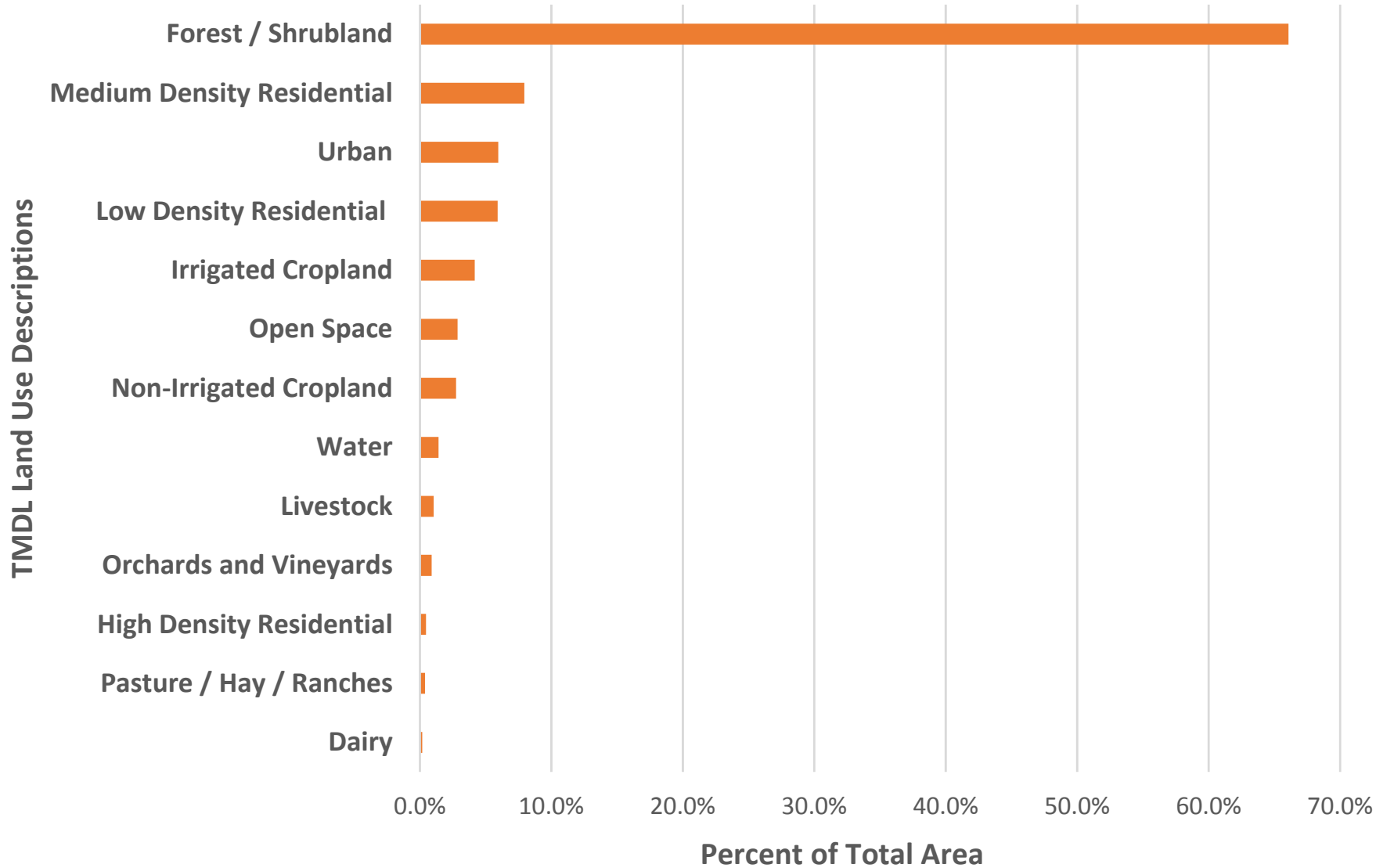
# 2014 Aggregated Land Use



## TMDL Land Use by Sub-Watershed Zones, 1 thru 9

TMDL Land Use Categories	Sub-Watershed Zone #									Grand Total
	1	2	3	4	5	6	7	8	9	
Irrigated Cropland		1,914.5	2,140.0	1,806.7	1,177.7	3,597.9	9,443.1	318.4		20,398.4
Non-Irrigated Cropland	21.7	2,196.4	2,891.9	2,537.8	2,557.7	603.4	2,699.1	2.9		13,510.8
Dairy	4.0		24.4				812.0			840.4
Livestock	83.1	782.9	460.5	1,147.8	318.9	423.3	1,259.9	76.5	562.7	5,115.5
Orchards and Vineyards	56.2	297.1	109.8	206.4	232.2	95.6	749.4	2,548.9	81.5	4,376.9
Pasture / Hay / Ranches	10.8	8.2	151.1	104.2	43.7	64.8	1,462.6	48.1		1,893.6
Forest / Shrubland	17,890.7	21,345.6	8,574.1	31,640.3	25,734.7	7,414.4	57,803.2	68,800.5	84,639.2	323,842.6
Low Density Residential	2,709.6	7,960.5	2,389.3	3,443.0	3,560.5	1,769.7	2,360.3	1,097.9	3,673.8	28,964.5
Medium Density Residential	4,116.1	4,110.2	5,212.4	4,636.3	12,847.8	374.3	6,075.8	1,503.3	46.0	38,922.2
High Density Residential	187.8	112.1	303.0	429.5	640.6	2.3	543.9	38.1		2,257.3
Urban	2,124.4	3,781.9	2,325.0	2,935.4	10,319.3	526.0	5,656.9	826.4	699.3	29,194.7
Open Space	547.9	1,417.2	2,644.8	1,349.1	4,246.5	33.2	2,509.7	715.6	522.1	13,986.2
Water	3,183.1	534.3	272.5	41.1	2,310.2		34.8	71.3	456.7	6,904.0
<b>Grand Total</b>	30,935.4	44,460.9	27,498.7	50,277.4	63,989.7	14,905.0	91,410.8	76,047.9	90,681.2	490,207.0

## TMDL Land Use - Sub Watershed Zones

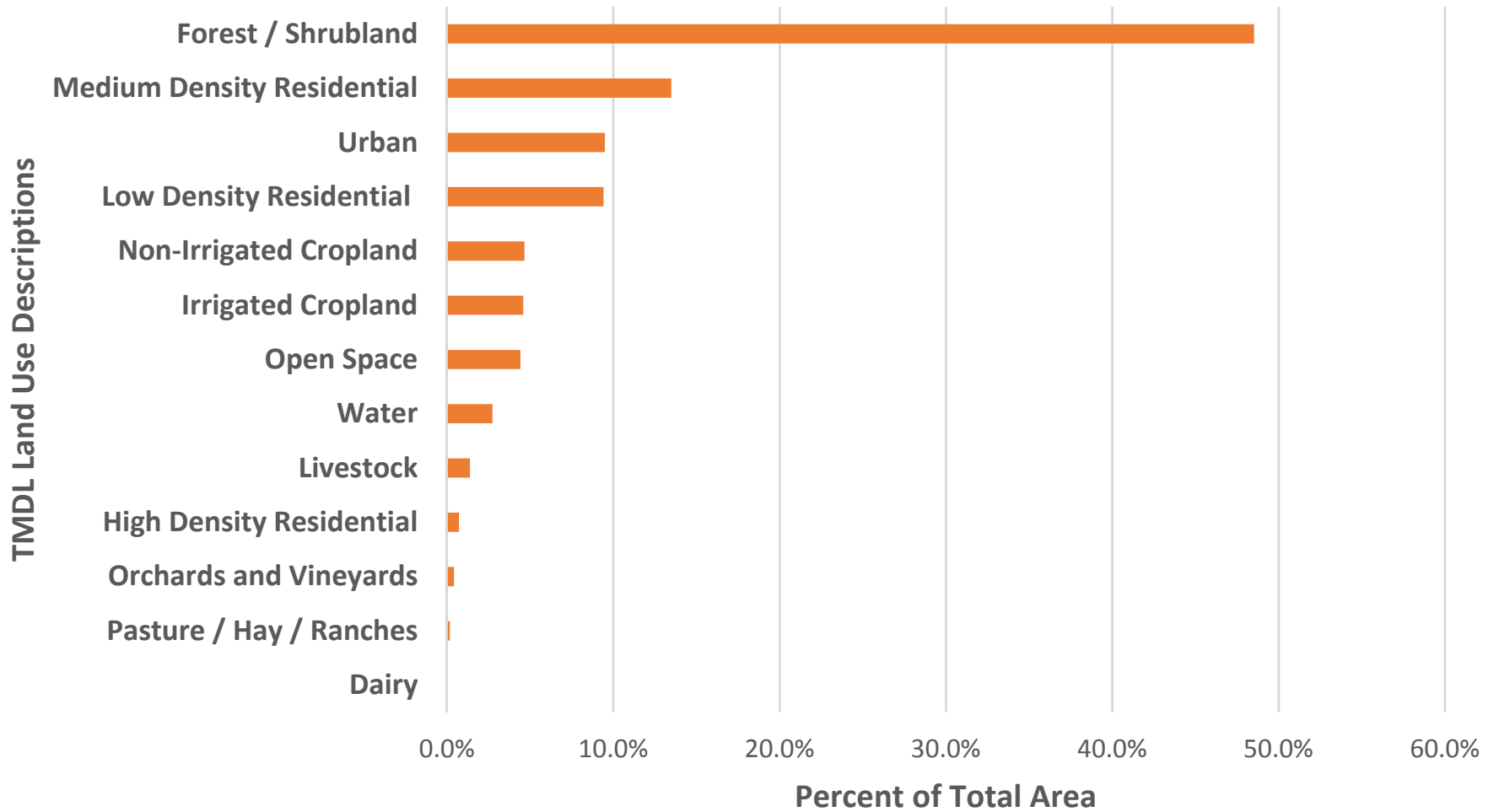




## TMDL Land Use by Sub-Watershed Zones 1 thru 6

TMDL Land Use Categories	Sub-Watershed Zone #						Grand Totals
	1	2	3	4	5	6	
Irrigated Cropland		1,914.5	2,140.0	1,806.7	1,177.7	3,597.9	10,636.8
Non-Irrigated Cropland	21.7	2,196.4	2,891.9	2,537.8	2,557.7	603.4	10,808.8
Dairy	4.0		24.4				28.4
Livestock	83.1	782.9	460.5	1,147.8	318.9	423.3	3,216.4
Orchards and Vineyards	56.2	297.1	109.8	206.4	232.2	95.6	997.2
Pasture / Hay / Ranches	10.8	8.2	151.1	104.2	43.7	64.8	382.9
Forest / Shrubland	17,890.7	21,345.6	8,574.1	31,640.3	25,734.7	7,414.4	112,599.7
Low Density Residential	2,709.6	7,960.5	2,389.3	3,443.0	3,560.5	1,769.7	21,832.5
Medium Density Residential	4,116.1	4,110.2	5,212.4	4,636.3	12,847.8	374.3	31,297.1
High Density Residential	187.8	112.1	303.0	429.5	640.6	2.3	1,675.3
Urban	2,124.4	3,781.9	2,325.0	2,935.4	10,319.3	526.0	22,012.0
Open Space	547.9	1,417.2	2,644.8	1,349.1	4,246.5	33.2	10,238.7
Water	3,183.1	534.3	272.5	41.1	2,310.2		6,341.2
<b>Grand Total</b>	30,935.4	44,460.9	27,498.7	50,277.4	63,989.7	14,905.0	232,067.1

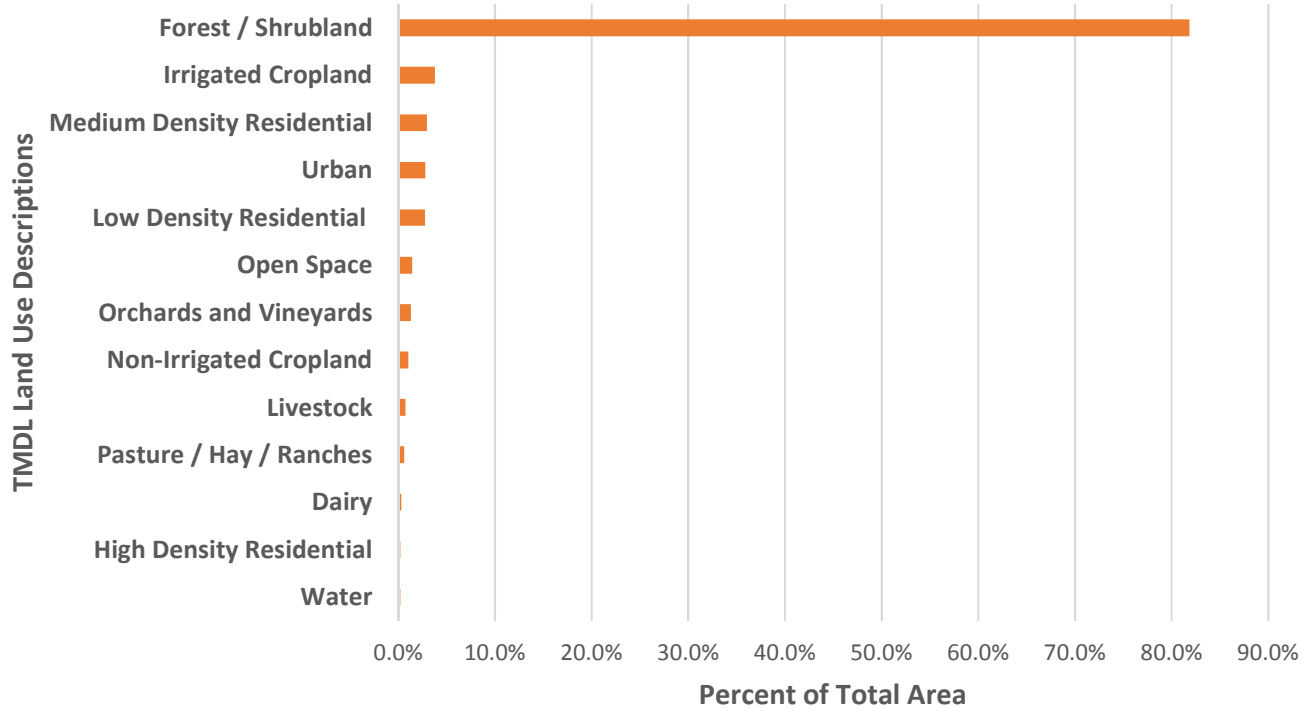
## TMDL Land Use - Sub Watershed Zones 1-6



## TMDL Land Use by Sub-Watershed Zones 7 thru 9

TMDL Land Use Categories	Sub-Watershed Zone #			Grand Total
	7	8	9	
Irrigated Cropland	9,443.1	318.4		9,761.6
Non-Irrigated Cropland	2,699.1	2.9		2,702.0
Dairy	812.0			812.0
Livestock	1,259.9	76.5	562.7	1,899.1
Orchards and Vineyards	749.4	2,548.9	81.5	3,379.7
Pasture / Hay / Ranches	1,462.6	48.1		1,510.7
Forest / Shrubland	57,803.2	68,800.5	84,639.2	211,242.9
Low Density Residential	2,360.3	1,097.9	3,673.8	7,132.0
Medium Density Residential	6,075.8	1,503.3	46.0	7,625.0
High Density Residential	543.9	38.1		582.0
Urban	5,656.9	826.4	699.3	7,182.6
Open Space	2,509.7	715.6	522.1	3,747.4
Water	34.8	71.3	456.7	562.8
<b>Grand Total</b>	91,410.8	76,047.9	90,681.2	258,139.9

### TMDL Land Use - Sub Watershed Zones 7-9



## San Jacinto River Watershed Land Use Classification

### 1000 Urban or Built-Up

- 1100 Residential
  - 1110 Single Family Residential
    - 1111 High-Density Single Family Residential
    - 1112 Low-Density Single Family Residential
  - 1120 Multi-Family Residential
    - 1121 Mixed Multi-Family Residential
    - 1122 Duplexes, Triplexes and 2- or 3-Unit Condominiums and Townhouses
    - 1123 Low-Rise Apartments, Condominiums, and Townhouses
    - 1124 Medium-Rise Apartments and Condominiums
    - 1125 High-Rise Apartments and Condominiums
  - 1130 Mobile Homes and Trailer Parks
    - 1131 Trailer Parks and Mobile Home Courts, High-Density
    - 1132 Mobile Home Courts and Subdivisions, Low-Density
  - 1140 Mixed Residential
  - 1150 Rural Residential
    - 1151 Rural Residential, High-Density
    - 1152 Rural Residential, Low-Density
- 1200 Commercial and Services
  - 1210 General Office Use
    - 1211 Low- and Medium-Rise Major Office Use
    - 1212 High-Rise Major Office Use
    - 1213 Skyscrapers
  - 1220 Retail Stores and Commercial Services
    - 1221 Regional Shopping Center
    - 1222 Retail Centers (Non-Strip With Contiguous Interconnected Off-Street Parking)
      - 1223 Modern Strip Development
      - 1224 Older Strip Development
  - 1230 Other Commercial
    - 1231 Commercial Storage
    - 1232 Commercial Recreation
    - 1233 Hotels and Motels
  - 1240 Public Facilities
    - 1241 Government Offices
    - 1242 Police and Sheriff Stations
    - 1243 Fire Stations
    - 1244 Major Medical Health Care Facilities
    - 1245 Religious Facilities
    - 1246 Other Public Facilities
    - 1247 Non-Attended Public Parking Facilities
  - 1250 Special Use Facilities
    - 1251 Correctional Facilities
    - 1252 Special Care Facilities
    - 1253 Other Special Use Facilities
  - 1260 Educational Institutions
    - 1261 Pre-Schools/Day Care Centers
    - 1262 Elementary Schools
    - 1263 Middle Schools
    - 1264 Senior High Schools
    - 1265 Colleges and Universities
    - 1266 Trade Schools and Professional Training Facilities
  - 1270 Military Installations
    - 1271 Base (Built-up Area)
    - 1272 Vacant Area
    - 1273 Air Field
    - 1274 Former Military (Built-up Area)
    - 1275 Former Military Vacant Area
    - 1276 Former Military Air Field
- 1300 Industrial
  - 1310 Light Industrial
    - 1311 Manufacturing, Assembly, and Industrial Services
    - 1312 Motion Picture and Television Studio Lots
    - 1313 Packing Houses and Grain Elevators
    - 1314 Research and Development
  - 1320 Heavy Industrial
    - 1321 Manufacturing
    - 1322 Petroleum Refining and Processing
    - 1323 Open Storage
    - 1324 Major Metal Processing
    - 1325 Chemical Processing
  - 1330 Extraction
    - 1331 Mineral Extraction - Other Than Oil and Gas
    - 1332 Mineral Extraction - Oil and Gas
  - 1340 Wholesaling and Warehousing

### 1400 Transportation, Communications, and Utilities

- 1410 Transportation
    - 1411 Airports
    - 1412 Railroads
    - 1413 Freeways and Major Roads
    - 1414 Park-and-Ride Lots
    - 1415 Bus Terminals and Yards
    - 1416 Truck Terminals
    - 1417 Harbor Facilities
    - 1418 Navigation Aids
  - 1420 Communication Facilities
  - 1430 Utility Facilities
    - 1431 Electrical Power Facilities
    - 1432 Solid Waste Disposal Facilities
    - 1433 Liquid Waste Disposal Facilities
    - 1434 Water Storage Facilities
    - 1435 Natural Gas and Petroleum Facilities
    - 1436 Water Transfer Facilities
    - 1437 Improved Flood Waterways and Structures
    - 1438 Mixed Utilities
    - 1439 Unimproved Flood Way (Formerly 1438 in WRCAC AGLU)
  - 1440 Maintenance Yards
  - 1450 Mixed Transportation
  - 1460 Mixed Transportation and Utility
  - 1500 Mixed Commercial and Industrial
  - 1600 Mixed Urban
  - 1700 Under Construction
  - 1800 Open Space and Recreation
    - 1810 Golf Courses
    - 1820 Local Parks and Recreation
      - 1821 Developed Local Parks and Recreation
      - 1822 Undeveloped Local Parks and Recreation
    - 1830 Regional Parks and Recreation
      - 1831 Developed Regional Parks and Recreation
      - 1832 Undeveloped Regional Parks and Recreation
    - 1840 Cemeteries
    - 1850 Wildlife Preserves and Sanctuaries
    - 1851 CDFG Wildlife Area – Davis Unit
    - 1852 CDFG Wildlife Area – Portero Unit
    - 1860 Specimen Gardens and Arboreta
    - 1870 Beach Parks
    - 1880 Other Open Space and Recreation
- ### 2000 Agriculture
- 2100 Cropland and Improved Pasture Land
    - 2110 Irrigated Cropland and Improved Pasture Land
    - 2120 Non-Irrigated Cropland and Improved Pasture Land
    - 2121 Vacant, Zoned Agriculture
  - 2200 Orchards and Vineyards
    - 2210 Citrus
  - 2300 Nurseries
    - 2310 Turf Farms
    - 2320 Christmas Tree Farms
  - 2400 Dairy, Intensive Livestock, and Associated Facilities
    - 2411 Dairies, Intensive
    - 2412 Dairies, Non-intensive
    - 2413 Abandoned Dairies
    - 2420 Other Livestock
  - 2500 Poultry Operations
  - 2600 Other Agriculture Undifferentiated
    - 2610 Manure Piles
    - 2620 Backyard Agriculture
  - 2700 Horse Ranches
- ### 3000 Vacant
- 3100 Vacant Undifferentiated
  - 3200 Abandoned Orchards and Vineyards
  - 3300 Vacant With Limited Improvements
  - 3400 Beaches (Vacant)
  - 3500 WRCAC Parcel ROW
- ### 4000 Water
- 4100 Water, Undifferentiated
  - 4200 Harbor Water Facilities
  - 4300 Marina Water Facilities
  - 4400 Water Within a Military Installation
  - 4500 Area of Inundation (High Water)

TMDL Code Description	JURISDICTION NAME												Grand Total	
	BANNING	BEAUMONT	CANYON LAKE	HEMET	LAKE ELSINORE	MENIFEE	MORENO VALLEY	MURRIETA	PERRIS	RIVERSIDE	SAN JACINTO	WILDOMAR		RIVERSIDE COUNTY
Irrigated Cropland				408.9		873.4	53.0		2,094.6		3,330.2		13,638.2	20,398.4
Non-Irrigated Cropland		4.2		1,540.0		2,831.7	3,346.7	29.3	1,901.2		490.1	21.7	3,345.9	13,510.8
Dairy				19.8							392.8	4.0	423.8	840.4
Livestock		0.3	8.0	305.6	1.6	632.6	108.6	11.2	22.4		398.2	16.4	3,610.7	5,115.5
Orchards and Vineyards		6.4		15.0	1.0	110.9	90.9		39.8		54.3	32.4	4,026.3	4,376.9
Pasture / Hay / Ranches				86.7		95.9	3.2		5.6		733.2	5.8	963.2	1,893.6
Forest / Shrubland	86.5	9,804.5	950.6	4,937.0	6,829.2	8,360.8	9,638.1	89.6	6,621.4	3.6	4,989.8	2,534.0	268,997.4	323,842.6
Low Density Residential		59.4	65.0	634.5	238.0	3,905.3	1,532.4	6.4	933.5		491.9	1,231.9	19,866.4	28,964.5
Medium Density Residential	127.8	1,404.8	1,188.9	4,956.2	2,831.9	6,538.7	9,920.7	158.8	3,018.4	533.7	2,809.5	808.6	4,624.2	38,922.2
High Density Residential	14.5	64.8	21.9	646.5	179.6	282.6	552.5	20.7	158.9		170.5		144.9	2,257.3
Urban	62.9	822.0	78.7	2,672.2	1,681.8	3,157.4	4,335.3	109.2	4,341.0	36.4	1,948.0	402.5	9,547.2	29,194.7
Open Space	45.4	87.5	154.1	1,066.1	472.2	2,119.7	1,278.4	8.4	1,123.5	15.0	828.7	21.7	6,765.6	13,986.2
Water	1.1		491.0	21.1	3,073.5	150.4	72.4		24.4		29.8	1.0	3,039.3	6,904.0
<b>Grand Total</b>	<b>338.2</b>	<b>12,253.9</b>	<b>2,958.2</b>	<b>17,309.3</b>	<b>15,308.7</b>	<b>29,059.5</b>	<b>30,932.2</b>	<b>433.5</b>	<b>20,284.5</b>	<b>588.8</b>	<b>16,667.0</b>	<b>5,080.1</b>	<b>338,993.2</b>	<b>490,207.0</b>

## Proposed Schedule to Revise the Nutrient TMDL for Lake Elsinore and Canyon Lake

(assumes Contractor is selected and authorized to proceed by December 1, 2015)

	<b>TMDL Technical Document</b>	<b>Tasks Description</b>	<b>Draft Date</b>
1	Background	Original 303(d) listing, current TMDL, need for revisions, and the Task Force process	Jan., 2016
2	Problem Statement	Describe current water quality monitoring data and trends	Feb., 2016
3	Numeric Targets	Identifies Response Targets (DO, Chlorophyll-a) and Causal Targets (N & P, ammonia) based on the relevant numeric and/or narrative Water Quality Objectives	Mar., 2016
4	Source Analysis	Estimate existing nutrient loads from all point and non-point sources*	Apr., 2016
5	Linkage Analysis	Establishes the TMDL needed to meet the Numeric Targets based on dynamic flow and loading analysis (incl. the use of simulation models)	May, 2016
6	WLA and LA	Estimated point and non-point load reductions required to meet the proposed TMDL	June, 2016
7	Implementation Plan	Identify specific implementation obligations and schedule for dischargers	Aug., 2016
8	Monitoring Plan Requirements	Identify specific monitoring and reporting obligations for dischargers	Sep., 2016
9	Bibliography	Summary of key reference materials used to develop the TMDLs	Dec., 2016

	<b>Basin Plan Amendment</b>	<b>Task Description</b>	<b>Date</b>
10	Scientific Peer Review	Peer-review of major new technical elements (lake models; 2010 watershed model)	July, 2016
11	Economic Analysis	Economic analysis of proposed revised TMDL vs. current TMDL	Oct., 2016
12	CEQA	Alternatives Analysis, Checklist, and Substitute Environmental Document (SED)	Nov., 2016
13	Basin Plan Amendment Package	Incl. strike-and-delete (track-changes) version of actual BPA text	Mar., 2017
14	Regional Board Staff Report	Provides rationale to justify staff recommendation re: the revised TMDL	Apr., 2017
15	Regional Board Workshop(s)	To review work in progress and initiate public comment period	May, 2017
16	Response to Public Comments	Prepare written responses to public comments received re: the revised TMDL	June, 2017
17	Regional Board Hearing	Formal hearing to consider adoption of proposed BPA	July, 2017
18	Administrative Record to SWRCB	Compile written and electronic database of all BPA documents	Oct., 2017
19	State Board Hearing Process	Another round of public comments and a formal adoption hearing	Mar., 2018
20	Submission to OAL	Update Administrative Record to include SWRCB hearing/comments	June, 2018
21	EPA Review Process	Submit entire BPA (if adopted) to EPA for final review and approval	Sep., 2018
22	EPA Final Action	EPA approval/disapproval expected approximately 6 months after submission	Mar., 2019
23	TMDL Compliance Deadline	Final deadline in the current TMDL	Dec., 2020

\*It is assumed that the revised 2010 Watershed Runoff model will be used, along with the most recent available land use data, to estimate the current nutrient loads from point and non-point sources.





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