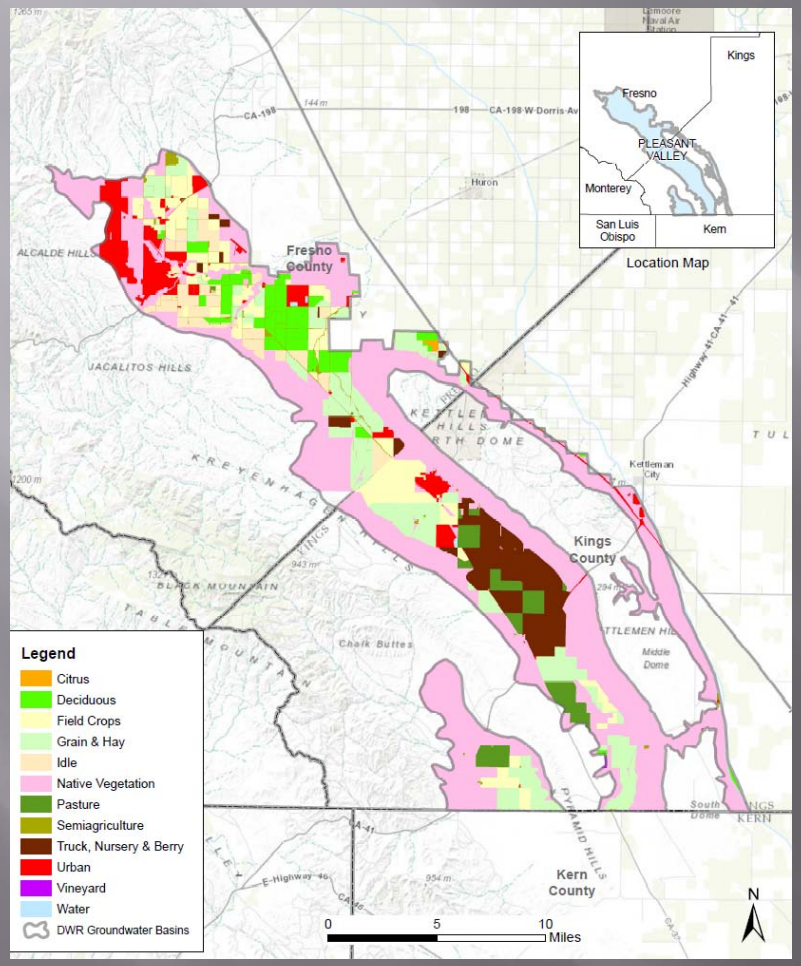
TECHNICAL ASSISTANCE

Chris Olvera

April 12, 2016

Acreages


Kings
Fresno
PLEASANT VALLEY
Monterey
San Luis Obispo
Kern
Location Map
Fresno County
Kings County
Kern County
Legend
Citrus
Deciduous
Field Crops
Grain & Hay
Idle
Native Vegetation
Pasture
Semiagriculture
Truck, Nursery & Berry
Urban
Vineyard
Water
DWR Groundwater Basins
0
5
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Miles
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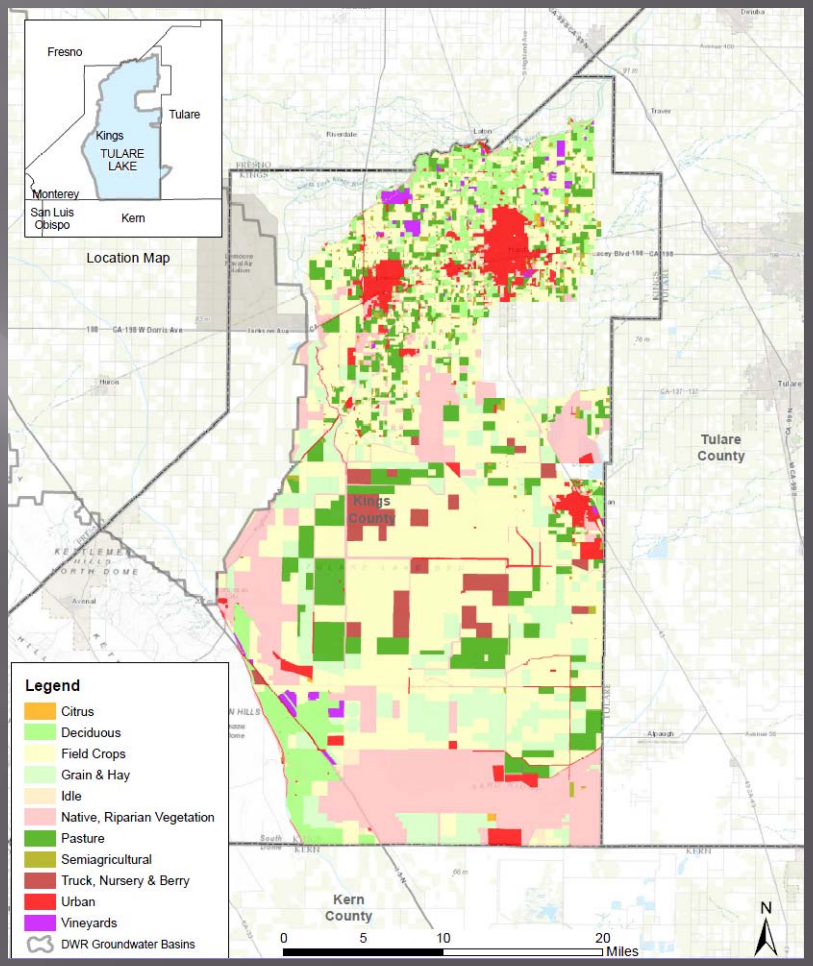
Fresno
Tulare
Kings
TULARE LAKE
Monterey
San Luis Obispo
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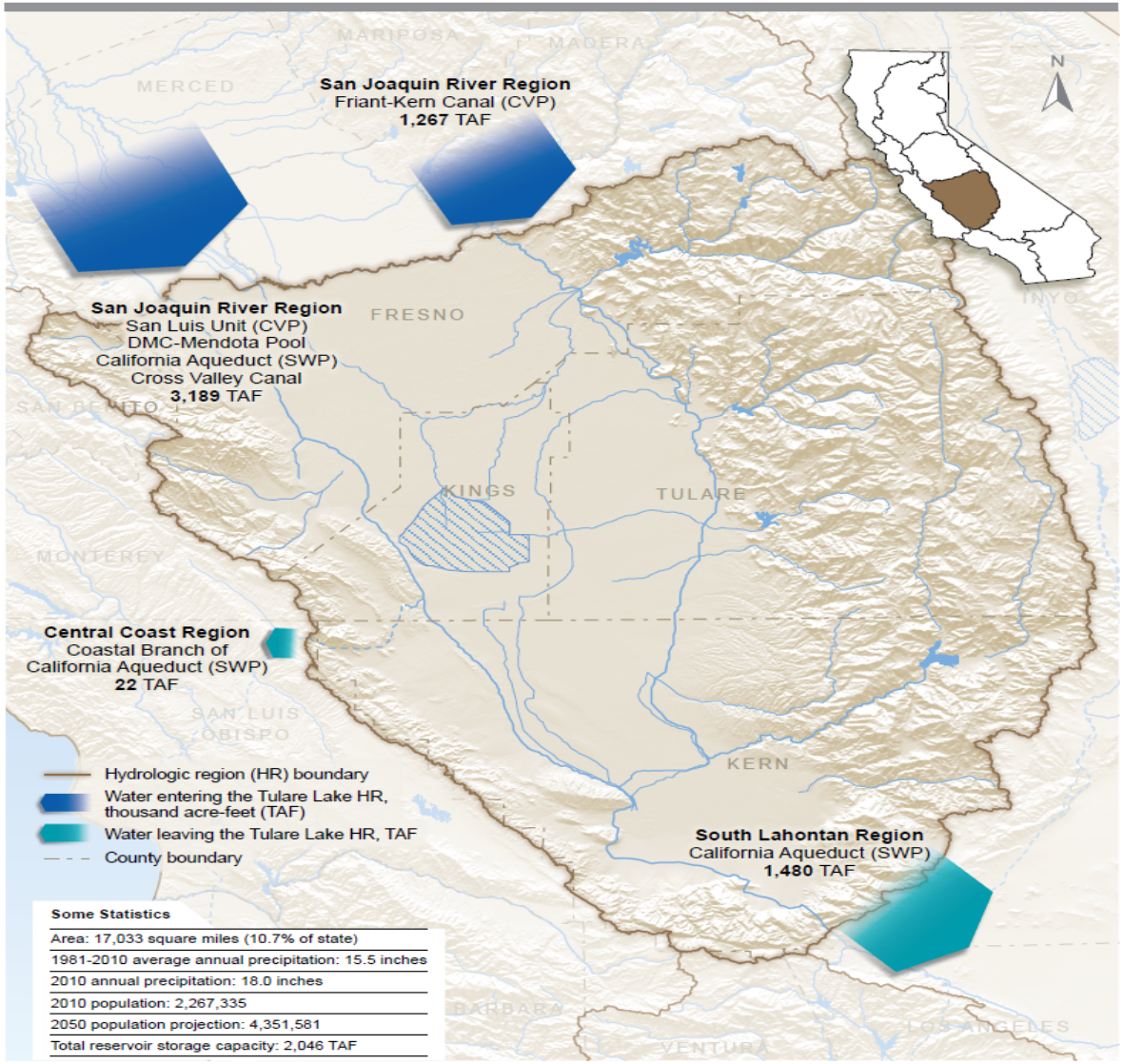
Location Map
Tulare County
Kings County
Kern County
Legend
Citrus
Deciduous
Field Crops
Grain & Hay
Idle
Native, Riparian Vegetation
Pasture
Semiagricultural
Truck, Nursery & Berry
Urban
Vineyards
DWR Groundwater Basins
0
5
10
20
Miles
N

Water Sources

Figure TL-11 Tulare Lake Regional Inflows and Outflows in 2010

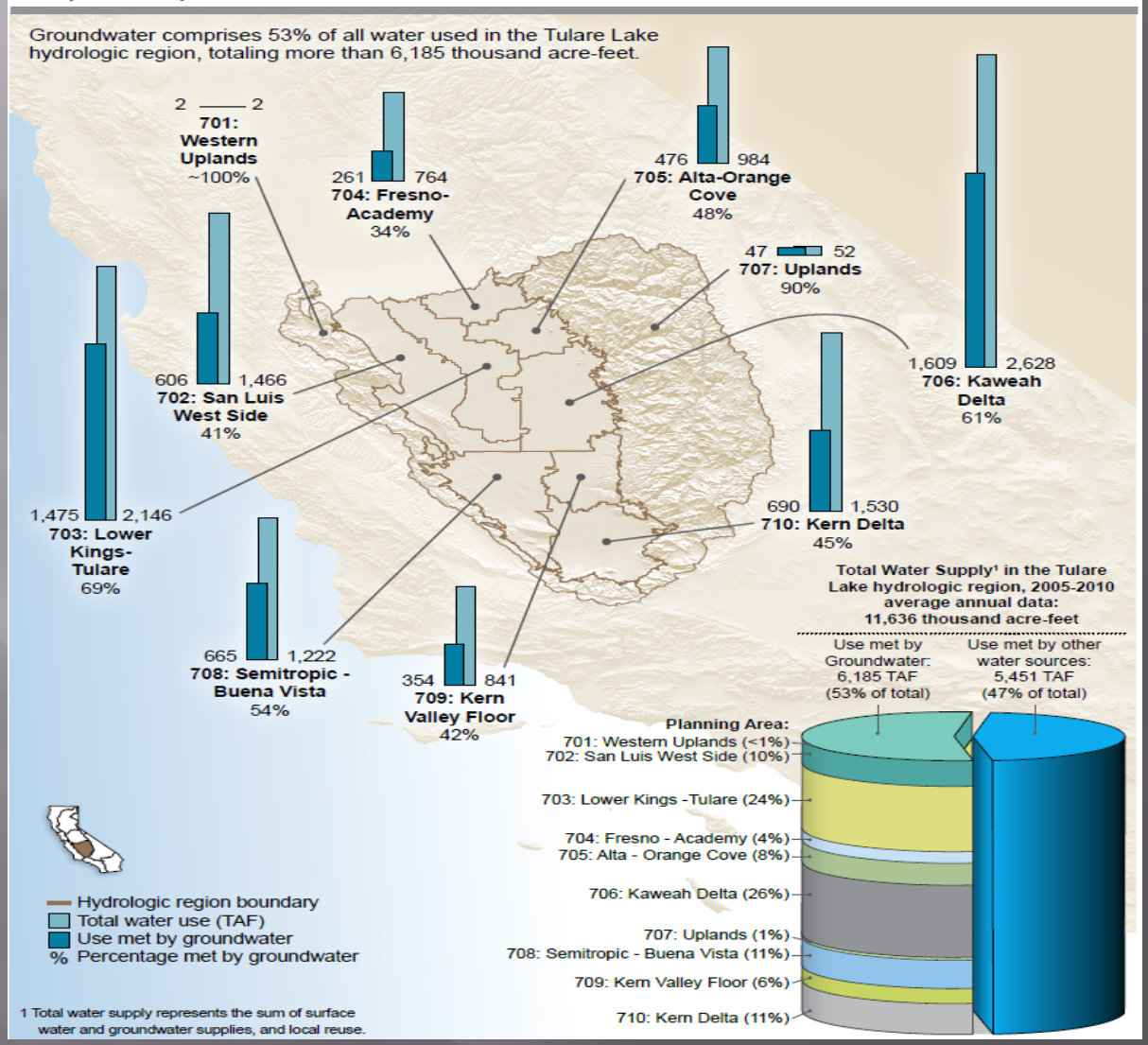


Some Statistics

Area: 17,033 square miles (10.7% of state)
1981-2010 average annual precipitation: 15.5 inches
2010 annual precipitation: 18.0 inches
2010 population: 2,267,335
2050 population projection: 4,351,581
Total reservoir storage capacity: 2,046 TAF

Water Use

Figure TL-12 Contribution of Groundwater to the Tulare Lake Hydrologic Region Water Supply by Planning Area (2005-2010)



Water Use by Water Year Type

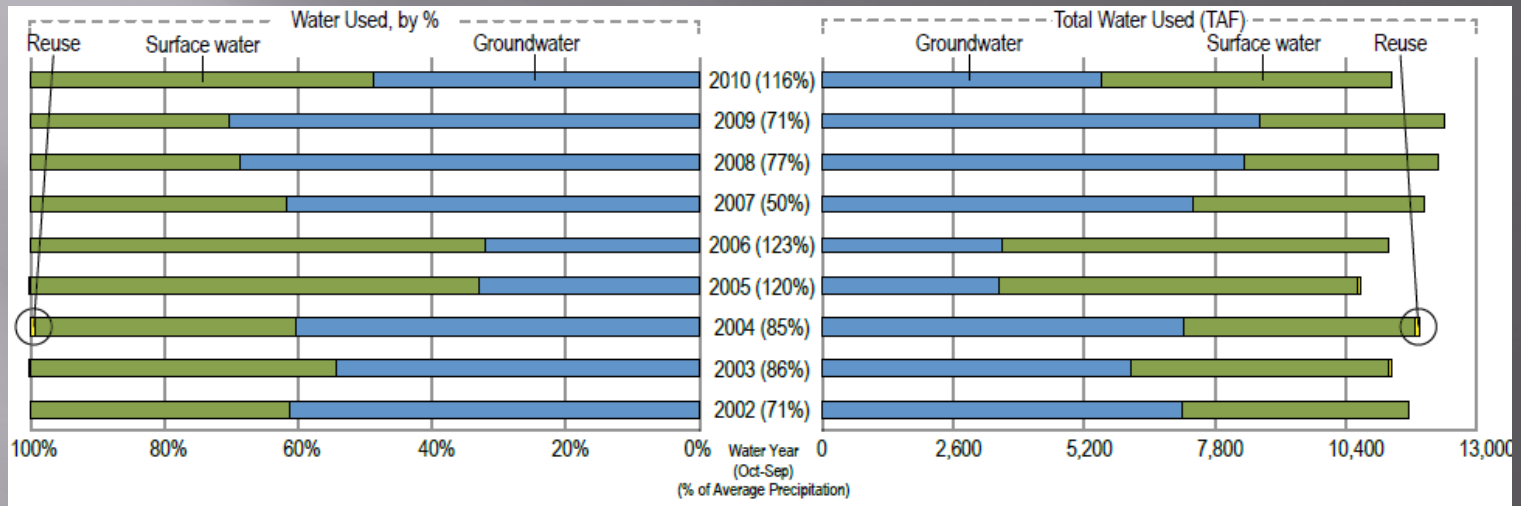
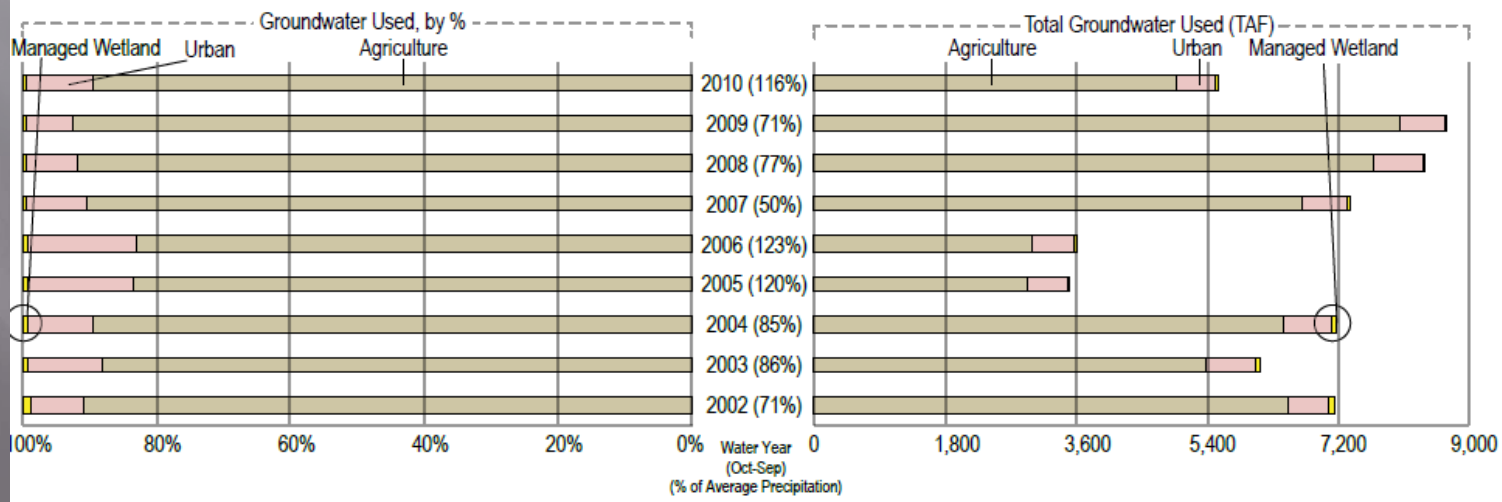
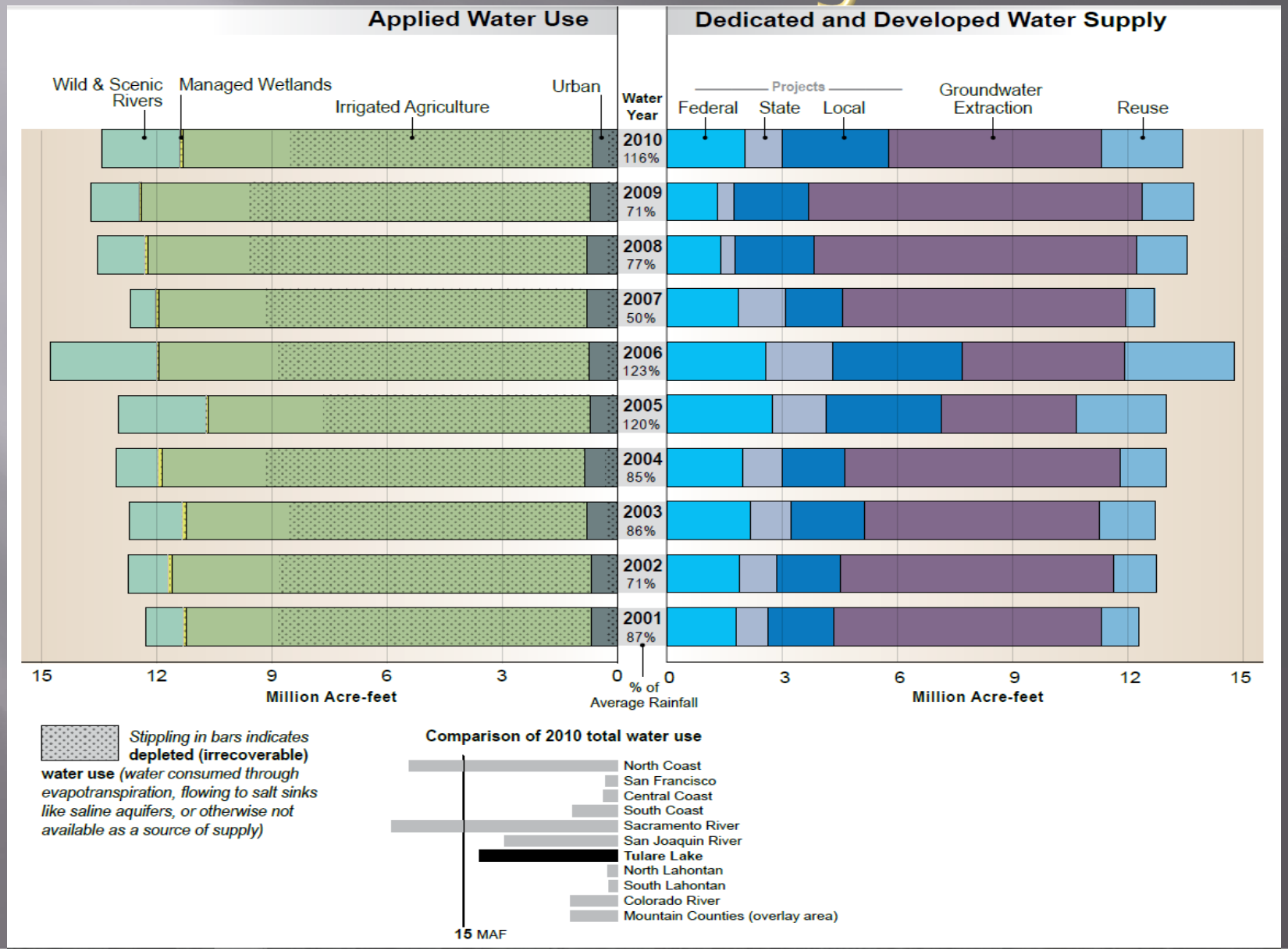


Figure TL-14 Tulare Lake Hydrologic Region Annual Groundwater Supply Trend by Type of Use (2002-2010)



Water Budget



Water Budget Projections out 50 years

Table TL-32 Conceptual Growth Scenarios

Scenario	Population Growth	Development Density
LOP-HID	Lower than Current Trends	Higher than Current Trends
LOP-CTD	Lower than Current Trends	Current Trends
LOP-LOD	Lower than Current Trends	Lower than Current Trends
CTP-HID	Current Trends	Higher than Current Trends
CTP-CTD	Current Trends	Current Trends
CTP-LOD	Current Trends	Lower than Current Trends
HIP-HID	Higher than Current Trends	Higher than Current Trends
HIP-CTD	Higher than Current Trends	Current Trends
HIP-LOD	Higher than Current Trends	Lower than Current Trends

Water Budget Projections out 50 years

Table TL-33 Growth Scenarios (Urban) — Tulare Lake Hydrologic Region

Scenario[a]	2050 Population (thousand)	Population Change (thousand) 2006[b] to 2050	Development Density	2050 Urban Footprint (thousand acres)	Urban Footprint Increase (thousand acres) 2006[c] to 2050
LOP-HID	3,588.5[d]	1,445.6	High	627.0	129.3
LOP-CTD	3,588.5	1,445.6	Current Trends	647.5	149.8
LOP-LOD	3,588.5	1,445.6	Low	667.3	169.6
CTP-HID	4,351.6[e]	2,208.7	High	727.1	229.4
CTP-CTD	4,351.6	2,208.7	Current Trends	756.8	259.1
CTP-LOD	4,351.6	2,208.7	Low	787.1	289.4
HIP-HID	5,345.9[f]	3,203.0	High	785.9	288.2
HIP-CTD	5,345.9	3,203.0	Current Trends	829.3	331.6
HIP-LOD	5,345.9	3,203.0	Low	873.7	376.0

Notes:

[a] See Table TL-32 for scenario definitions.

[b] 2006 population was 2,142.9 thousand.

[c] 2006 urban footprint was 497.7 thousand acres.

[d] Values modified by the California Department of Water Resources (DWR) from the Public Policy Institute of California.

[e] Values provided by the California Department of Finance.

[f] Values modified by DWR from the Public Policy Institute of California.

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VOLUME 2

Regional Reports