Increase Supply Predictabilty

- Increased accuracy and reliability of water supply forecasts
- Reduction of unanticipated curtailments

D-011811
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Reduce Diversion Conflicts

Reduce impacts of water supply operations on fisheries, Delta water quality, water levels, and circulation through use of a wide range of water amangement tools.

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Integrated Water Management Strategy

Water Management Functions/Objectives	Water Management Tools							
	Transfers • Long Term • Water Bank	Conservation • Ag • Urban • Wetlands	Reuse	Storage • Groundwater • Surface	Watershed Management	Water Quality	Monitoring	Diversion Management
Reduce Diversion Conflicts								
Increase Supply Predictability								
Increase Supply Utility (WQ)								
Decrease Drought Impacts • Enviro Flows • Ag/Urban Supply								
Increase Supply Availability • Drought • Average								
Increase Operational Flexibity								

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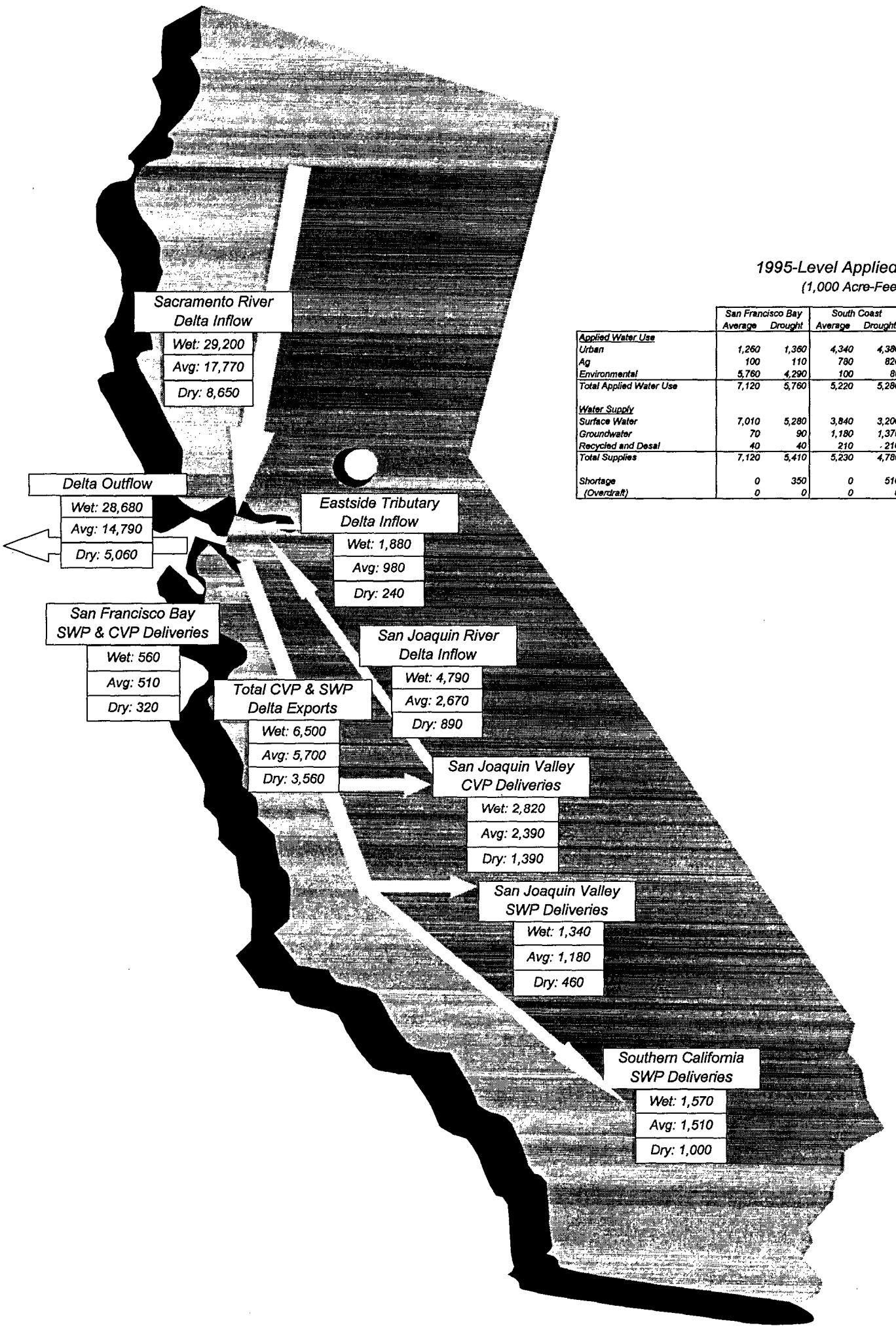
Water Management in California

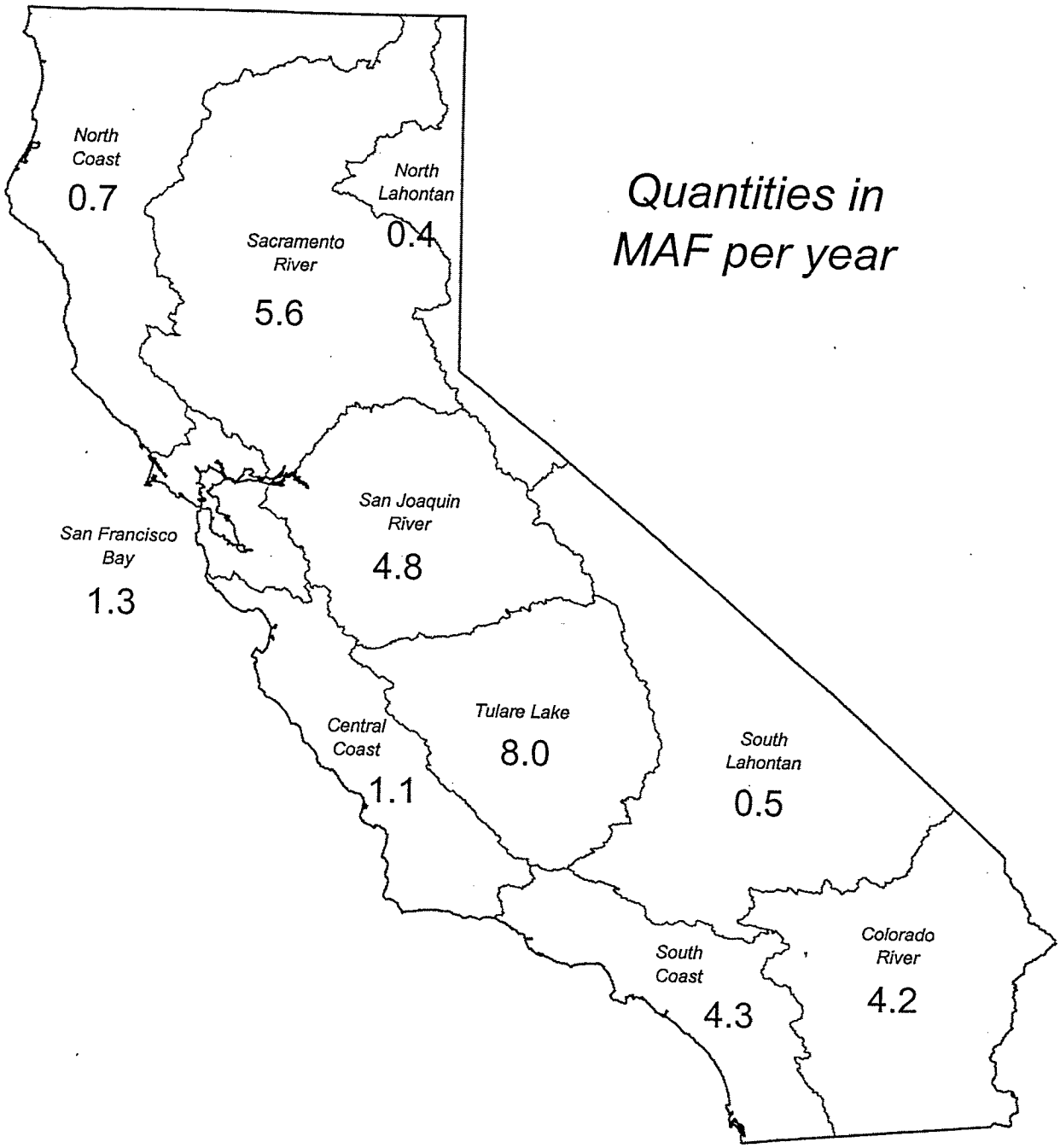


1995-Level Applied Water Budget
(1,000 Acre-Feet per Year)

	San Francisco Bay		South Coast		Sacramento River		San Joaquin River		Tulare Lake	
	Average	Drought	Average	Drought	Average	Drought	Average	Drought	Average	Drought
Applied Water Use										
Urban	1,260	1,360	4,340	4,380	770	830	570	580	690	690
Ag	100	110	780	820	8,070	9,050	7,030	7,240	10,740	10,030
Environmental	5,760	4,290	100	80	5,830	4,220	3,400	1,900	1,670	810
Total Applied Water Use	7,120	5,760	5,220	5,280	14,660	14,110	11,000	9,730	13,100	11,530
Water Supply										
Surface Water	7,010	5,280	3,840	3,200	11,880	10,020	8,560	6,040	7,890	3,690
Groundwater	70	90	1,180	1,370	2,670	3,220	2,200	2,900	4,340	5,970
Recycled and Desal	40	40	210	- 210	0	0	0	0	0	0
Total Supplies	7,120	5,410	5,230	4,780	14,550	13,240	10,760	8,940	12,230	9,660
Shortage	0	350	0	510	110	870	240	790	870	1,860
(Overdraft)	0	0	0	0	30	30	240	240	820	820

Average Net Water Use

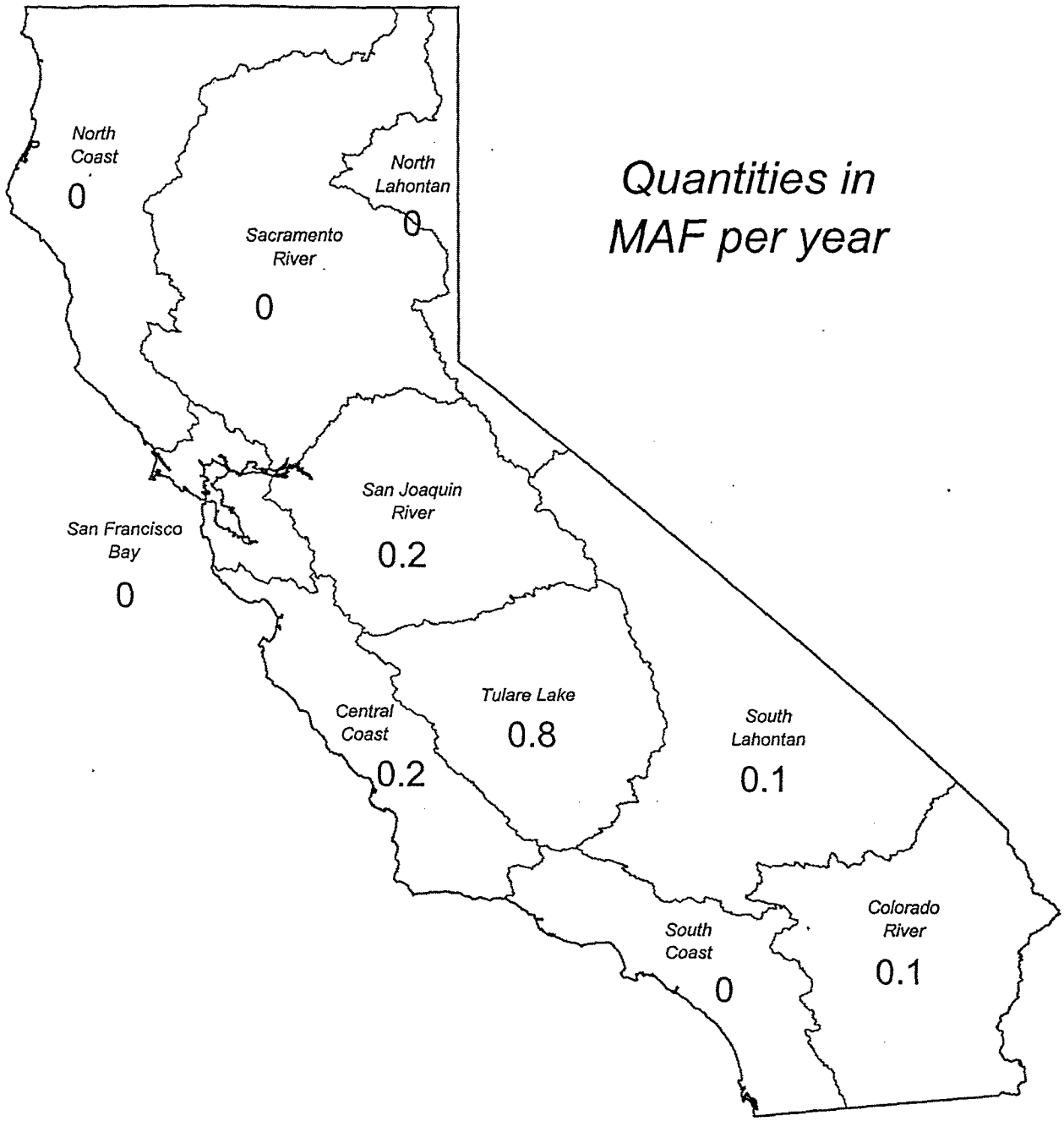
1995 Level of Development



Quantities in MAF per year

Groundwater Overdraft

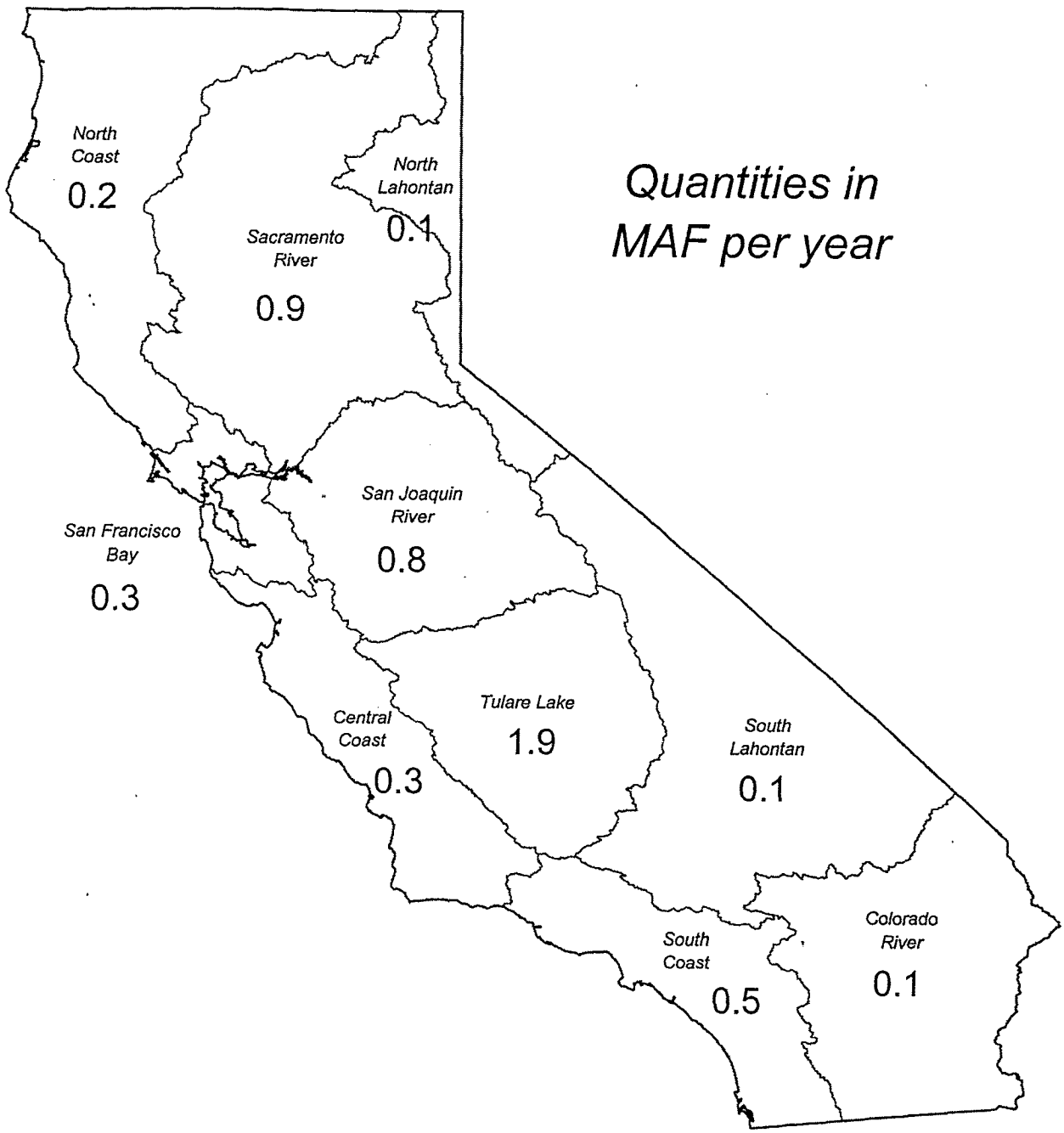
1995 Level of Development

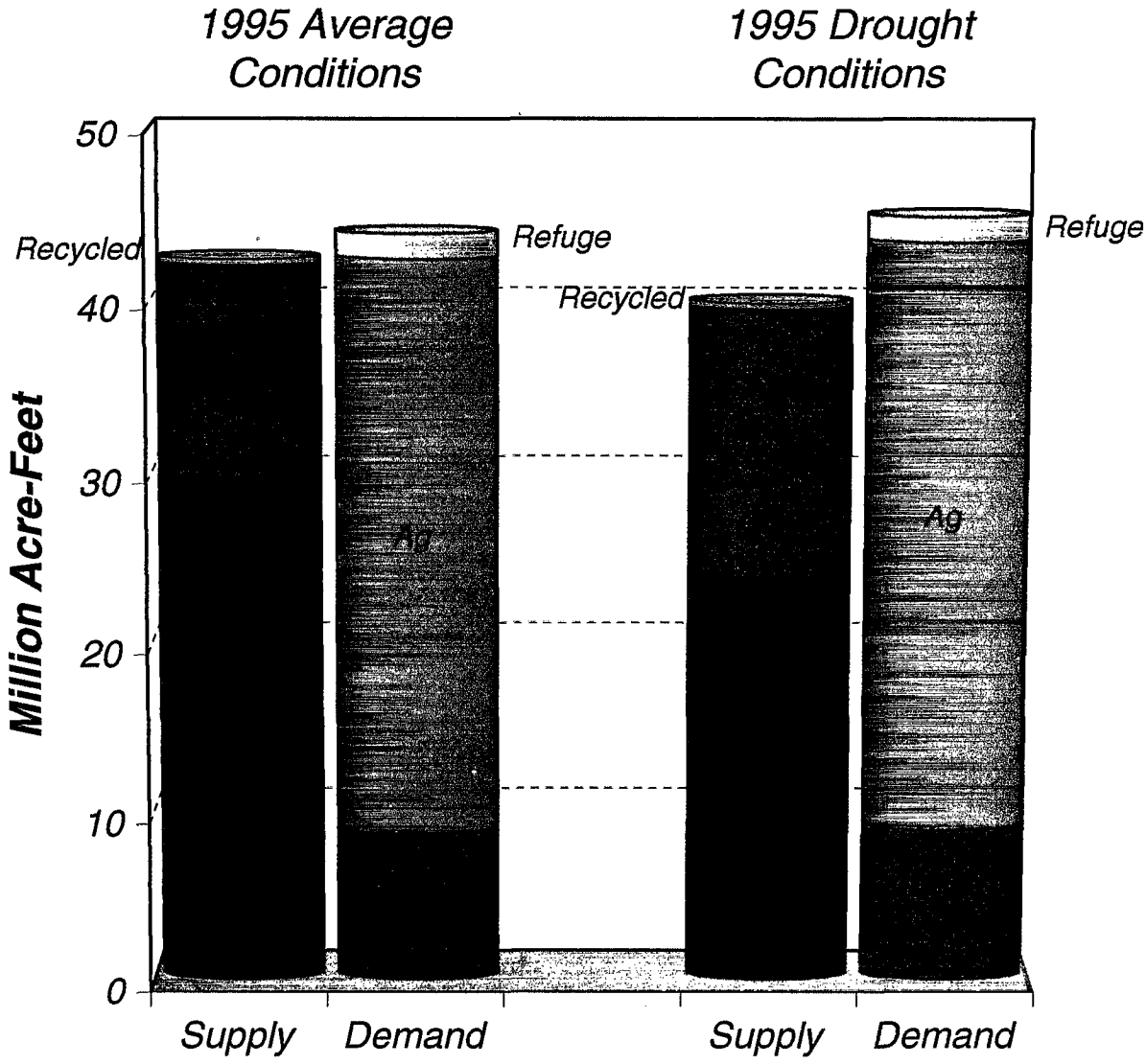


Quantities in MAF per year

Drought Period Shortages

1995 Level of Development



Quantities in MAF per year

California Water Balance