

EXHIBIT D

Pertinent Data for Other Reservoirs  
Affecting the Los Angeles River

Table 1  
SEPULVEDA DAM AND RESERVOIR  
LOS ANGELES COUNTY, CALIFORNIA

PERTINENT DATA  
SEPTEMBER 1988

Construction Completed.....	30 December 1941
Stream System.....	Los Angeles River
Drainage area.....sq. miles..	152
Reservoir:	
Elevation	
Top of crest gates (raised position)...ft., NGVD...	710.0
Flood control pool.....ft., NGVD...	710.0
Spillway design surcharge level.....ft., NGVD...	716.7
Top of dam.....ft., NGVD...	725**
Crest gates begin to automatically lower.....ft., NGVD...	712.0
Crest gates complete automatic lowering.....ft., NGVD...	715.0
Area	
Top of crest gates (raised position).....acres..	1,335
Flood control pool.....acres..	1,335
Fixed spillway crest.....acres..	765
Fixed spillway design surcharge level.....acres..	1,710
Top of dam.....acres..	2,447
Purchased real estate***.....acres..	2,097
Capacity, gross	
Top of crest gates (raised position)....acre-feet..	17,425 (2.15*)
Flood control pool.....acre-feet..	17,425 (2.15*)
Fixed spillway crest.....acre-feet..	6,857 (0.85*)
Spillway design surcharge level.....acre-feet..	27,563 (3.40*)
Top of dam.....acre-feet..	44,727 (5.52*)
Allowance for sediment .....	0
Dam: - Type.....	Earthfill
Height above original streambed.....ft..	57
Top length.....ft..	15,440
Top width.....ft..	30
Freeboard.....ft..	7.3
Spillway: - type.....	Concrete ogee
Crest length.....ft..	399
Crest elevation.....ft., NGVD...	700
Design surcharge.....ft..	6.7
Design discharge.....c.f.s..	99,540
Outlets:	
Uncontrolled.....number..	4
Size.....	6'W x 6.5'H
Entrance invert elevation.....ft., NGVD...	668
Controlled.....number..	4
Size.....ft..	6'W x 9'H
Gate type.....	Vertical lift
Entrance invert elevation.....ft., NGVD...	668
Conduits - (Rectangular)	
Number and Size	
Ungated.....	4 - 6'W x 6.5'H
Gated.....	4 - 6'W x 9'H
Length.....ft..	40
Maximum capacity at spillway crest.....c.f.s..	16,500
Regulated capacity at spillway crest.....c.f.s..	16,500
Standard project flood:	
Duration (inflow).....days..	3
Total volume (including base flow).....acre-feet..	68,200 (8.41*)
Inflow peak.....c.f.s..	50,000
Probable maximum flood:	
Duration (inflow).....days..	4
Total volume.....acre-feet..	163,200 (20.13*)
Inflow peak.....c.f.s..	114,000
Historic maximums:	
Maximum inflow.....c.f.s..	58,970
Date.....	2-16-80
Maximum release.....c.f.s..	15,320
Date.....	2-16-80
Maximum water surface elevation.....ft., NGVD...	705.1
Date.....	2-16-80
Maximum storage.....acre-feet..	11,470
Date.....	2-16-80

\*inches of runoff

\*\*December 1980 survey shows variation in elevation of top of dam from 723.7 feet northeast of Control House to 725.5 feet southwest of Control House.

\*\*\*There are no easements acquired in the reservoir area. All real estate is acquired in fee title.

WHITTIER NARROW DAM AND RESERVOIR  
LOS ANGELES COUNTY, CALIFORNIA

PERTINENT DATA  
JUNE 1987

Stream System.....	Rio Hondo and San Gabriel Rivers	
Drainage area.....	sq. miles..	554
Reservoir:		
Elevation		
Water supply pool (Rio Hondo).....	ft., m.s.l..	201.6
Water supply pool (San Gabriel).....	ft., m.s.l..	213.5
Flood control pool.....	ft., m.s.l..	228.5
Top of gates (gates closed).....	ft., m.s.l..	229
Spillway design surcharge level.....	ft., m.s.l..	238.9
Top of Dam.....	ft., m.s.l..	239
Area		
Water supply (Rio Hondo).....	acres..	252.0
Water supply (San Gabriel).....	acres..	89
Flood Control.....	acres..	2,411
Top of gates (gates closed).....	acres..	2,470
Spillway design surcharge level.....	acres..	3,622.8
Top of dam.....	acres..	3,630
Capacity, gross		
Water supply (Rio Hondo).....	acre-feet..	2,498 (0.09#)
Water supply (San Gabriel).....	acre-feet..	532 (0.02#)
Flood control pool.....	acre-feet..	34,947 (1.18#)
Top of gates (gates closed).....	acre-feet..	36,160 (1.22#)
Spillway design surcharge level.....	acre-feet..	66,702 (2.26#)
Top of dam.....	acre-feet..	67,060 (2.27#)
Allowance for sediment.....	acre-feet..	0
Dam: - Type.....		Earthfill
Height above original streambed.....	ft..	56.0
Top length.....	ft..	16,960
Top width.....	ft..	16
Freeboard.....	ft..	0.1
Outlets: (Rio Hondo)		
Type of gates.....		Tainter
Number and size of gates.....		4 - 30'W x 20'H
Size of outlets.....		30'W x 19'H
Gate sill elevation.....	ft., m.s.l..	184.0
Regulated outflow .....	c.f.s..	40,000
Maximum capacity (el. 229.0).....	c.f.s..	74,700
Spillway: (San Gabriel)		
Type of gates.....		Tainter
Number and size of gates.....		9 - 50' x 29'
Gate sill elevation.....	ft., m.s.l..	200.0
Top of gates (gates closed) elevation.....	ft., m.s.l..	229
Discharge at design surcharge (el. 234.0).....	c.f.s..	251,000
Maximum discharge capacity (el. 239.0).....	c.f.s..	307,900
Standard project flood:		
Duration (inflow).....	days..	4
Total volume.....	acre-feet..	198,000 (6.70#)
Inflow peak.....	c.f.s..	40,000
Probable maximum flood:		
Duration (inflow).....	days..	4
Total volume.....	acre-feet..	910,000 (3.80#)
Inflow peak.....	c.f.s..	365,000
Historic maximums:		
San Gabriel:		
Maximum release.....	c.f.s..	11,500
Date.....		1-25-69
Maximum water surface elevation.....	ft. m.s.l..	216.5
Date.....		1-25-69
Rio Hondo:		
Maximum release.....	c.f.s..	38,800
Date.....		2-17-82
Maximum water surface elevation.....	ft. m.s.l..	213.5
Date.....		1-25-69

\*inches of runoff

LOPEZ DAM AND RESERVOIR  
LOS ANGELES COUNTY, CALIFORNIA

PERTINENT DATA  
JULY 1985

Stream system.....	Pacoima Wash
Drainage area.....sq. miles..	34
Reservoir:	
Elevation	
Streambed at Dam.....ft., m.s.l..	1,253.72
Flood control pool (spillway crest).....ft., m.s.l..	1,272.92
Spillway design surcharge level.....ft., m.s.l..	1,293.48
Top of dam.....ft., m.s.l..	1,298.92
Area	
Spillway crest.....acres..	41.3
Spillway design surcharge level.....acres..	70.7
Top of dam.....acres..	80.1
Capacity, gross	
Spillway crest.....acre-feet..	441 (0.24*)
Spillway design surcharge level.....acre-feet..	1,613.3 (0.89*)
Top of dam.....acre-feet..	2,021.4 (1.12*)
Allowance for sediment (50-year).....acre-feet..	794 (0.44*)
Dam: - type..... Earthfill	
Height above original streambed.....ft..	50
Top length.....ft..	1,330
Top width.....ft..	20
Freeboard.....ft..	6.1
Spillway: - type..... Broad-crested	
Crest length.....ft..	110
Design surcharge.....ft..	19.9
Design discharge.....c.f.s..	31,000
Outlets:	
Number and size-diameter.....ft..	1-5' diameter
Length.....ft..	428
Entrance invert elevation.....ft., m.s.l..	1,253.92
Standard project flood:	
Duration (inflow).....days..	3
Total volume.....acre-feet..	14,000 (7.78*)
Inflow peak.....c.f.s..	11,200
Probable maximum flood	
Duration (inflow).....days..	1
Total volume.....acre-feet..	19,900 (10.97*)
Inflow peak.....c.f.s..	30,400
Historic maximums:	
Maximum release.....c.f.s..	3,900
Date.....	3-1-83
Maximum water surface elevation.....ft., m.s.l..	1,277.7
Date.....	3-1-83

\*inches of runoff

SANTA FE DAM AND RESERVOIR  
LOS ANGELES COUNTY, CALIFORNIA

PERTINENT DATA  
MAY 1983

Stream System.....	San Gabriel River
Drainage area.....sq. miles..	236
Reservoir:	
Elevation	
Debris pool.....ft., m.s.l..	456
Water supply pool.....ft., m.s.l..	466
Flood control pool (spillway crest).....ft., m.s.l..	496
Spillway design surcharge level.....ft., m.s.l..	508.4
Top of dam.....ft., m.s.l..	513
Area	
Debris pool.....acres..	331.2
Water supply pool.....acres..	473.9
Spillway crest.....acres..	1,084
Spillway design surcharge level.....acres..	1,258
Top of dam.....acres..	1,298
Capacity, gross	
Debris pool.....acre-feet..	4,351.1 (0.35*)
Water supply pool.....acre-feet..	8,291.4 (0.66*)
Spillway crest.....acre-feet..	32,109 (2.55*)
Spillway design surcharge level.....acre-feet..	46,712 (3.71*)
Top of dam.....acre-feet..	53,088 (4.22*)
June 1978	
Allowance for sediment (50-year).....acre-feet..	8,000 (0.64*)
June 1978	
Allowance for sediment (100-year).....acre-feet..	16,000 (1.27*)
1969 Reduction in storage due to sediment.....acre-feet..	4222
Dam: - Type.....	Earthfill
Height above original streambed.....ft..	92
Top length.....ft..	23,800
Top width.....ft..	30
Freeboard.....ft..	4.6
Spillway: - type.....	Ungated overflow concrete ogee
Crest length.....ft..	1,200
Design surcharge.....ft..	221,800
Design Discharge.....c.f.s..	13.21
Outlets:	
Gates - Type.....	Vertical lift
Number and size.....ft..	16 - 6'W x 9'H
Gate sill elevation.....ft., m.s.l..	421
Conduits	
Number and size.....	76 - 7.33'W x 7.33'H
Length.....ft..	515
Maximum capacity at spillway crest.....c.f.s..	41,000
Regulated discharge at spillway crest.....c.f.s..	41,000
Standard project flood:	
Duration (inflow).....days..	3.5
Total volume.....acre-feet..	171,400 (13.62*)
Inflow peak.....c.f.s..	96,000
Probable maximum flood:	
Duration (inflow).....days..	4
Total volume.....acre-feet..	556,000 (44.17*)
Inflow peak.....c.f.s..	222,000
Historic maximums:	
Maximum discharge on record.....c.f.s..	30,900
Date.....	1-26-69
Maximum water surface elevation.....ft., m.s.l..	473.97
Date.....	12-19-66

\*inches of runoff

CHARACTERISTICS OF MAJOR STORAGE PROJECTS  
LOS ANGELES COUNTY

NAME OF DAM	STREAM	DRAINAGE AREA (sq. mi.)	TYPE	HEIGHT (ft.)	DAM			SPILLWAY			RESERVOIR			MAX. RELEASES INCLUDING SPILLWAY (cfs)*				
					CREST ELEVATION (ft. msl)	CREST ELEVATION (ft. msl)	OUTLET SILL (ft. msl)	LENGTH (ft.)	TYPE	CREST ELEVATION (ft. msl)	DESIGN CAPACITY (cfs)	PRIMARY PURPOSE(S)	ELEVATION		STORAGE			
													MAX. NORMAL POOL (ft. msl)		MAX. DESIGN POOL (ft. msl)*	MAX. NORMAL POOL (ac-ft)	DESIGN SURCHARGE (ac-ft)*	DAM CREST ELEVATION (ac-ft)
Big Dalton	Big Dalton Creek	4.49	C,A,G	146.0	1711.0	1706.0	1613.0**	480.0	U	1706.0	5310.0	FC, WS	1711.0	915.0	119.2	1037.0	888.0	6198.0
Big Tujunga	Big Tujunga Creek	82.30	C,A	200.0	2304.0	2290.0	2160.0**	505.0	U	2290.0	24,250.0	FC, WS	2304.0	5750.0	1186.0	6906.0	2900.0	27,150.0
Cogswell	San Gabriel River-West Fork	39.20	R	265.0	2405.0	2385.0	2148.0	585.0	U	2385.0	29,500.0	FC, WS	2398.0	8853.0	2031.0	N/A	8725.0	38,225.0
Devil's Gate	Arroyo Seco	31.90	C,A,G	100.0	1070.0	1054.0	1,958.8**	310.0	U	1054.0	14,800.0	FC, WS	1072.0	2869.0	OT	2820	5637.0	20,937.0
Eaton Wash	Eaton Creek	12.42	E	62.0	902.0	887.5	841.0	1525.0	U	887.5	33,500.0	FC, WS	897.5	721.0	457.0	N/A	5040.0	38,540.0
Live Oak	Live Oak Creek	2.28	C,A,G	70.0	1500.1	1496.4	1429.8**	303.0	U	1496.4	2400.0	FC, WS (COMB.)	1500.0	239.0	6.5	282.3	368.0	2768.0
Morris	San Gabriel River	217.0	C,G	245.0	1175.0	1175.0	960.0	800.0	G	1175.0	34,200.0	FC, WS	1175.0	22,758.0	N/A	N/A	5280.0	100,000
Pacoima	Pacoima Creek	28.20	C,A,G	365.0	2015.0	1950.0	1700.0**	640.0	U	1950.0	10,780.0	FC, WS	2025.0	3115.0	5204.0	8981.0	1048.0	11,828.0
Puddingstone	Puddingstone Creek	33.10	E,C	147.0	982.0	970.0	882.1	2698.0	U	970.0	6900.0	FC, WS	975.0	16,468.0	2504.0	N/A	850.0	7,750.0
Puddingstone Div.	San Dimas Creek	20.0	E,C	33.5	1163.8	1152.5	1145.5	825.0	U	1152.5	10,600.0	FC, DIVERSION WS	1158.5	191.0	116.0	N/A	2180.0	14,100.0
San Dimas	San Dimas Creek	16.20	C,A,G	117.0	1470.26	1462.0	1,1358.0	340.0	U	1462.0	27,455.0	FC, WS	1470.0	1306.0	315.0	1630.0	2060.0	28,600.0
San Gabriel	San Gabriel River	202.70	E,R,C	310.0	1481.0	1453.0	1205.8**	1500.0	U	1453.0	92,000.0	FC, WS	1466.0	44,226.0	7412.0	N/A	13,470.0	110,870.0
Santa Anita	Big Santa Anita Creek	10.82	C,A,G	224.8	1324.8	1324.8	1161.2**	612.0	U	1316.0	2900.0	FC, WS	1324.8	776.5	129.2	905.7	647.0	3533.0
Sawpit	Sawpit Creek	3.24	C,A	147.0	1375.18	1375.18	1235.7**	527.0	U	1360.0	1450.0	FC, WS	1375.18	354.0	152.6	506.6	457.0	2584.0
Thompson Cr.	Thompson Creek	3.51	C,GL	66.0	1648.0	1634.1	1579.4	1500.0	U	1634.1	4520.0	FC, WS	1645.0	543.0	369.7	N/A	320.0	4985.0

Project Purposes  
FC - Flood Control  
P - Power  
WS - Water Supply

Spillway Types  
U - Ungated  
G - Gated

Outlet Types  
1. Slide Gates  
2. Valves

Dam Types  
Structure  
E - Earthfill A - Arch  
R - Rockfill G - Gravity  
C - Concrete GL - Gravel  
M - Masonry

OT - Overtop the Dam  
GR - Gated in Raised Position  
LS - Less Spillway

\* Assumed at H.W.L.  
\*\* Center Line of Outlet Sill