EXHIBIT B

Pertinent Data for Other Reservoirs in the Vicinity of Brea Dam

CARBON CANYON DAM AND RESERVOIR
CARBON CANYON CREEK, ORANGE COUNTY, CALIFORNIA
PERTINENT DATA
MAY 1989

Completion date	May 1961
Stream system	Carbon Canyon Creek
Drainage area, mi^2	19.3
Reservoir:	
Elevation	
Streambed at dam, ft, NGVD	400
Debris pool, ft, NGVD	419
Flood control pool (spillway crest), ft, NGVD	475
Original Spillway design surcharge level, ft, NGVD	493.7
Revised Spillway design surcharge level (PMF), ft, NGVD	491.9
Top of dam, ft, NGVD	499
Area (based on original survey**)	
Debris pool, ac	40.5
Spillway crest, ac	223.5
Spillway design surcharge level, ac	308.5
Top of dam, ac	343.0
Capacity, gross (based on original survey**)	
Debris pool, ac-ft	298 (0.29*)
Spillway crest, ac-ft	7033 (6.83*)
Spillway design surcharge level, ac-ft	12,063 (11.72*)
Top of dam, ac-ft	13,781 (13.39*)
Allowance for sediment (50-year), ac-ft	1500 (1.46*)
Area (based on 1969 survey***)	
Debris pool, ac	33.8
Spillway crest, ac	222.0
Spillway design surcharge level, ac	287.2
Top of dam, ac	305.6
Capacity (based on 1969 survey***)	
Debris pool, ac-ft	228 (0.23*)
Spillway crest, ac-ft	6615 (6.43*)
Spillway design surcharge level, ac-ft	11,324 (11.0*)
Top of dam, ac-ft	12,899 (12.53*)
Dam:	
Type	Earthfill
Height above original streambed, ft	99
Top length, ft	2610
Top width, ft	20
Freeboard, ft	7.1
Spillway:	
Type	Ungated broad-crested weir
Crest width, ft	125
Design discharge at surcharge elevation (493.7), ft^3/s	36,800
PMF discharge at surcharge elevation (491.9), ft^3/s	31,200
Outlets:	
Gates - type	Hydraulic slide
Number and size	2 - 5'W x 6.5'H
Entrance invert elevation, ft, NGVD	403
Conduits - type	Rectangular
Number and size	1 - 4.75'W x 7'H
Length (including transition section), ft	549
Entrance invert elevation, ft, NGVD	403
Discharge at spillway crest elevation, ft^3/s	1270
Discharge at top of dam elevation, ft^3/s	1480
Reservoir design flood:	
Total inflow volume (2-day), ac-ft	8030 (7.80*)
Inflow peak, ft^3/s	9300
Spillway design flood:	
Design total inflow volume (1-day), ac-ft	10,600 (10.30*)
Design inflow peak, ft^3/s	56,000
PMF total inflow volume (15-hour), ac-ft	11,800 (11.46*)
PMF inflow peak, ft^3/s	52,000
Historic maximums:	
Maximum release, ft^3/s	446
Date	2-26-69
Maximum water surface elevation, ft, NGVD	430.9
Date	3-1-83
Maximum storage (2-26-69), ac-ft	891.7
Maximum peak inflow (1-hour), ft^3/s	1702

* inches of runoff
** based on surveys of October 1937, August 1941, August 1949, and bottom resurvey of March 1961.
*** based on resurvey of September 1969.

FULLERTON DAM AND RESERVOIR
ORANGE COUNTY, CALIFORNIA

PERTINENT DATA
MARCH 1989

Construction Completed	May 1941
Stream System	Fullerton Creek
Drainage Area ... sq. miles	5.0
Reservoir:	
Elevation	
Streambed at dam ... ft., NGVD	260
Spillway crest ... ft., NGVD	290
Spillway design surcharge level ... ft., NGVD	298.4
Top of dam ... ft., NGVD	307
Area	
Spillway crest ... acres	62
Spillway design surcharge level ... acres	92
Top of dam ... acres	130
Capacity, gross	
Spillway crest ... acre-feet	764 (2.84*)
Spillway design surcharge level ... acre-feet	1394 (5.18*)
Top of dam ... acre-feet	2306 (8.56*)
Original allowance for sediment ... acre-feet	230
Dam: - Type	Earthfill
Height above original streambed ... ft	46
Top length ... ft	575
Top width ... ft	15
Freeboard (PMF) ... ft	8.6
Spillway: - Type	Ungated ogee
Crest length ... ft	40
Crest elevation ... ft	290
Design surcharge (modified Rational Method) ... ft	8.4
Design discharge (modified Rational Method) ... ft	3380
Outlets:	
Uncontrolled	
Number and size	1 - 3'W x 2'H
Entrance invert elevation ... ft., NGVD	275
Controlled	
Gate type	Vertical lift
Size ... ft	2 - 3'W x 5'H
Entrance invert elevation ... ft., NGVD	261
Conduits	
Number and size	1 - 4'W x 6'H
Length ... ft	346
Maximum capacity at spillway crest ... cfs	590
Regulated capacity at spillway crest ... cfs	500
Standard project flood:	
Duration (inflow) ... days	1.75
Total volume ... acre-feet	1750 (6.50*)
Inflow peak ... cfs	2100
Outflow peak ... cfs	1250
Maximum water surface elevation	
1969 reservoir regulation schedule ... ft	293.75
Current reservoir regulation schedule ... ft	292.50
Probable maximum flood	
Duration (inflow) ... days	0.25
Total volume ... acre-feet	1820 (6.76*)
Inflow peak ... cfs	16000
Outflow peak ... cfs	5650
Spillway outflow peak ... cfs	5650
Maximum water surface elevation ... ft	301.44
Historic maximums:	
Maximum inflow ... cfs	3800
Date	3-14-41
Maximum outflow ... cfs	444
Date	3-1-83
Maximum water surface elevation ... ft., NGVD	285.6
Maximum storage ... acre-feet	522.5 (68% full)
Date	1-31-79

*Inches of runoff