EXHIBIT B

SUPPLEMENTARY PERTINENT DATA

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GENERAL INFORMATION

Name of Project	Sepulveda Dam; Sepulveda Reservoir.
Other Names for Project	Sepulveda Flood Control Basin.
Location	Los Angeles County Drainage Area, California. On Los Angeles River, 43 miles above mouth, at 30°09'48"N, 118°27'59"W.
Type of Project	Flood control reservoir.
Objectives of Regulation	Project authorized for single-purpose operation (flood control).
Project Owner	U.S. Army Corps of Engineers, Los Angeles District.
Operating Agency	U.S. Army Corps of Engineers, Los Angeles District. Official business hours: 0730-1600, Monday through Friday. Tel. (213) 894-4756, FTS 798-4756.
Regulating Agency	U.S. Army Corps of Engineers, Los Angeles District.
Inter-Agency Agreements	Portion of the land within Sepulveda Reservoir is leased to the City of Los Angeles for recreational, wildlife management, and agricultural purposes. The Corps of Engineers reserves the right to inundate any portion of the reservoir at any time. U.S. Army Corps of Engineers has a maintenance agreement with Los Angeles County Flood Control District for the improved channel of Los Angeles River.
Project Cost	Real estate acquisition, 1939-1942: $1,497,595. Construction of dam, 1939-1941: $6,650,561.
Closure Date	30 December 1941.

RESERVOIR

Pertinent Elements	See table 1 (inside front cover).
Real Estate	Depicted on plates 2-07 and 2-21. Elevation is approximately the top of the dam, elevation 725 feet, NGVD. Total purchased real estate in fee is 2,097 acres. Total purchased real estate in easement is 0 acres. Total purchased real estate below guide control line el. 725.0 feet (top of freeboard) is 1942.31 acres. Total purchased real estate below flood control pool el. 717.5 feet (bottom of freeboard) is 1808.26 acres. Total purchased real estate below spillway crest el. 710.0 feet is 1322.81 acres.
Reservoir Elevation Corresponding to Maximum Non-Damaging Releases	Non-damaging release is approximately the capacity of the Los Angeles River channel immediately downstream of dam: 16,900 cfs.
Conservation Pool	None.
Safety Aspects	The U.S. Army Corps of Engineers notifies Los Angeles County Flood Control District, the City of Los Angeles, and the California Department of Transportation of any significant impoundment behind, or release from, Sepulveda Dam.
Emergency Drawdown	Not applicable. Gate sill elevation is at 668 feet, NGVD, directly on the Los Angeles River channel, and is essentially the lowest elevation within the reservoir.
Project Area Data	For locations and elevations of facilities within Sepulveda Reservoir, see table 2-02 and plate 2-07.

HYDROLOGY

Drainge Area	152 square miles.
Design Floods	See Table 1 (inside front cover).
Climate	Temperate, semi-arid, with wet winters and dry summers.

Flood Seasons	Flood Season is 15 November - 15 April.
One Inch of Runoff	Over Sepulveda Basin drainage area (152 square miles) is equivalent to a volume of 8107 ac-ft.
Low-Flow Season	Reservoir remains dry, and the Los Angeles River remains in low flow entire year, except for occasional storms (mostly 15 November - 15 April). Driest season is normally June-August.
Maximum Annual Flow	137,793 acre-feet, (Period of record: 1941-1984 (mostly January-March 1983).
Maximum Instantaneous Inflow	62,636 cfs, 1600-1625 hours, 16 February 1980.
Maximum of Mean Hourly Inflow	58,970 cfs, 1600-1700 hours, 16 February 1980.
Maximum Reservoir Elevation	705.10 feet msl (11,503 ac-ft impounded), 1845 hours, 16 Feburary 1980.
Maximum Outflow	15,100 cfs, 2051 hours, 16 February 1980.
Key Streamflow Stations	Los Angeles River at Tujunga Avenue; Los Angeles River Above Arroyo Seco; Los Angeles River Below Firestone Blvd.; and Los Angeles River Below Wardlow Road (see Table 5-01, Plate 5-01, and Exhibit F). The LADPW owns and operates 2 stream gaging stations upstream of the damsite. The Browns Creek at Variel Ave. (#F2B-R) and the Limekiln Creek (#F350-R) above Aliso, stream gauging stations. For details refer to Chapter 5 and table 5-02.
Type of Data at Dam	Manual, recording, and automatic telemetry gauges for precipitation, reservoir surface elevation, gate height, and outflow, plus automatic telemetry streamflow gauges downstream.
Stations Used in Hydrologic Forecasting	None at this time. Hydrologic forecasting will soon be implemented. See Chapter 5.
No. of Sediment Ranges	See table 4-11.

EMBANKMENT

Length	15,444 feet (2.93 miles).
Height	57 feet; top of dam 725 feet msl.*
Streambed	668 feet, NGVD at gate sill.
Freeboard	Top of dam is 8.34 feet above Probable Maximum Flood pool.
Crest Width	30 feet.
Special Features	None. No special dikes, levees, or other flood barriers.
Type of Fill	Earthfill.
Slope Protection	Upstream slope is protected by grouted stone paving. Downstream slope is grassed, except 10-15 feet grouted toe protection.

SPILLWAY

Location	Near center of dam, just to left of Outlet Works (when looking downstream).
Type	Concrete ogee, with floatable crest gates.
Crest Elevation	700 feet, NGVD (crest gates lowered); 710 feet, NGVD (crest gates raised).
Net Overflow Length	399 feet.
Number of Gates	Seven.
Size of Gates	57 feet long x 10 feet wide (above the concrete ogee section of the spillway).
Types of Gates	Submersible drum gates.

* December 1980 topographic survey of reservoir shows variation in elevation of top of dam from as low as 723.7 feet in the northeastern portion of the embankment to as high as 725.5 feet in two locations along the southwestern portion of the embankment. An on-going Settlement Study, consisting of periodic elevation surveys of the dam from December 1941 through January 1985, shows settlement in portions of the embankment from 0.5 foot to more than 1.0 foot over the 43-year period.

Top of Crest Gate Elevation in Open Position	710 feet.
Induced Surcharge, Standard Project Flood	3.52 feet (Standard Project Flood elevation 713.52 feet, compared to spillway crest with gates raised to 710.00 feet).
Maximum Spillway Discharge Capacity	190,020 cfs for spillway flow (independent of outlet works discharge) with reservoir at elevation 725 feet, NGVD (top of dam).
Bridge Deck Elevation	Top of dam is 725 feet, NGVD. Top of curb is 725.75 feet, NGVD. Top at retaining wall is 729.25 feet, NGVD (See pl. 2-10).
Type of Energy Dissipator	None.
Time Required to open/ close all crest gates	Crest gates open/close automatically depending on the water surface elevation (see paragraph 2-03, d,(2)). The minimum required time to open/close all gates is 15 minutes.
Automatic Crest Gate Operation	Crest gates rise out of ogee crest, ahead of reservoir level, to maximum elevation 710 feet, NGVD. Gates remain at this elevation until reservoir surface reaches predetermined elevation (currently set at 712 feet). Gates then begin to lower automatically. Gates lower to elevation 700 feet (ogee crest) by the time that reservoir surface reaches a second predetermined elevation (currently set at 715 feet). Both predetermined elevations are adjustable. Crest gates can be placed into semi-automatic or emergency manual operation (see pl. 2-18).
Recurrence Interval for Reservoir to Attain Crest Elevation	Approximately 80 years, to reach elevation 710 feet, NGVD (spillway crest with crest gates raised). See plate 4-07 and table 4-08.

OUTLET FACILITIES

Location	In center of dam, on Los Angeles River.
Purpose	Flood control.
Type of Outlets	Four gated, four ungated; all outlets rectangular.

Size of Outlets	Gated: 6 feet wide, 9 feet high. Ungated: 6 feet wide, 6.5 feet high.
Entrance Invert Elevation	668 feet, NGVD.

HYDROELECTRIC POWER FACILITIES; LOCKS; DOWNSTREAM CONTROL POINTS

None.