

Interoffice Memo

Timber and Wood Products Division



Boise Cascade

Date: June 28, 1996
To: Water District No. 65
From: Jim Spencer - Boise Cascade Corporation
Subject: Cost for Canal Flowmeter Installation

Attached are copies of invoices for the installation of the canal flowmeter. The following is a summary of the costs:

City Transfer Backhoe	563.75
City Transfer 950 Loader	150.00
City Transfer Dirt & Rock	484.25
Cast In Place Concrete	2,600.00
Water & Waste Water (Meter)	1,839.99
Water & Waste Water (Pipe)	751.20
<u>Boise Cascade Labor 40 hrs. @ \$24.29 Loaded</u>	<u>971.60</u>
Total Cost	\$7,360.79

The participation of the water district in the cost of this project is greatly appreciated.

C. James Spencer
Idaho Region Engineer

Table 2. - Summary of 1995 survey results.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Elevation (ft)	Original Area (acres)	Original Capacity (acre-ft)	1995 Area (acres)	1995 Capacity (acre-feet)	Measured Sediment Volume (acre-ft)	Percent Measured Sediment	Percent Reservoir Depth
4840.0	32,967	1,059,857	32,890	1,036,347	-	-	-
4835.0	30,246	901,824	30,256	878,473	-	-	-
4833.6	(29,479)*	860,017	(29,481)	836,655	23,362	100.0	100.0
4830.0	27,506	757,444	27,459	734,166	23,278	99.6	95.1
4828.0	(26,487)	703,452	26,296	680,411	23,041	98.6	92.4
4825.0	24,958	626,284	24,459	604,182	22,102	94.6	88.3
4820.0	22,070	508,714	21,468	491,791	16,923	72.4	81.5
4815.0	19,371	405,112	19,035	390,374	14,738	63.1	74.7
4810.0	17,174	313,750	16,832	300,704	13,046	55.8	67.9
4805.0	14,807	233,797	14,563	222,161	11,636	49.8	61.1
4800.0	12,526	165,464	12,222	154,961	10,503	44.5	54.3
4795.0	10,014	109,114	9,522	100,585	8,529	36.5	47.6
4790.0	7,051	66,452	6,821	60,000	6,452	27.6	40.8
4787.5	(5,938)	50,216	(5,661)	44,408	5,808	24.9	37.4
4785.0	4,824	36,764	4,598	31,627	5,137	22.0	34.0
4780.0	3,053	17,072	2,683	13,316	3,756	16.1	27.2
4775.0	1,536	5,600	1,257	3,852	1,748	7.5	20.4
4770.0	391	782	205	445	337	1.4	13.6
4766.0	0	0	31	48	-	-	8.2
4765.0	-	-	16	24	-	-	6.8
4760.0	-	-	0.0	0	-	-	0.0

(1) Elevation of reservoir water surface.

(2) Original reservoir surface area.

(3) Original calculated reservoir capacity computed using ACAP from original measured surface areas.

(4) Reservoir surface area from 1995 survey.

(5) 1995 calculated reservoir capacity computed using ACAP, from 1995 surface areas.

(6) Measured sediment volume = column (3) - column (5).

(7) Measured sediment expressed in percentage of total sediment—23,362 acre-feet at elevation 4833.6.

(8) Depth of reservoir expressed in percentage of total depth (73.6 ft).

* Areas in () computed by ACAP.