

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

MINISTRY OF PUBLIC WORKS, TRANSPORT AND HOUSING (SOPTRAVI)

MINISTRY OF INTERNATIONAL COOPERATION (SETCO)

NATIONAL EMERGENCY COMMITTEE (COPECO)

NATIONAL SERVICE AUTHORITY FOR WATER SUPPLY AND SEWERAGE (SANAA)

MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT (SERNA)

MUNICIPALITY OF THE CENTRAL DISTRICT (AMDC)

THE STUDY

**ON FLOOD CONTROL AND LANDSLIDE PREVENTION
IN TEGUCIGALPA METROPOLITAN AREA
OF THE REPUBLIC OF HONDURAS**

FINAL REPORT

DATA BOOK

MAY 2002

**PACIFIC CONSULTANTS INTERNATIONAL
NIKKEN CONSULTANTS, INC.**

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RIVER SURVEY DATA

River Cross-Section (Coordinates / Elevation) (Choluteca, 1/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-0	1	1,563,034.7	477,537.3	893.662	
	2	1,563,032.8	477,551.1	892.376	
	3	1,563,032.4	477,553.5	891.725	
	4	1,563,032.2	477,555.7	890.172	
	5	1,563,031.7	477,559.0	890.088	
	C-LO	1,563,031.6	477,559.5	890.164	
	6	1,563,031.4	477,560.9	889.979	
	7	1,563,031.1	477,563.0	888.892	
	8	1,563,030.3	477,569.2	887.524	
	9	1,563,028.9	477,579.5	887.161	
	10	1,563,027.1	477,591.9	887.561	
	11	1,563,025.1	477,607.0	888.891	
	14	1,563,024.4	477,611.9	891.711	
12	1,563,022.2	477,627.7	889.605		
13	1,563,021.6	477,631.9	890.735		
C-R0	1,563,021.1	477,635.7	890.998		
C-1	15	1,562,933.4	477,540.4	893.127	
	16	1,562,932.9	477,544.2	891.791	
	17	1,562,932.5	477,546.8	891.402	
	18	1,562,932.1	477,549.9	891.217	
	19	1,562,931.5	477,553.6	891.549	
	20	1,562,931.0	477,557.9	890.400	
	C-L1	1,562,930.3	477,562.9	890.478	
	21	1,562,929.4	477,569.2	889.858	
	23	1,562,928.9	477,572.6	887.336	
	22	1,562,927.8	477,580.5	887.069	
	25	1,562,927.0	477,586.0	886.819	
	26	1,562,926.4	477,590.6	887.438	
	27	1,562,925.2	477,599.1	888.837	
C-R1	1,562,921.5	477,625.7	890.193		
28	1,562,918.3	477,649.1	890.849		
30	1,562,918.1	477,650.1	891.023		
29	1,562,917.1	477,657.9	892.715		
C-2	31	1,562,831.2	477,542.9	893.793	
	32	1,562,830.4	477,554.0	892.681	
	33	1,562,830.1	477,558.1	891.573	
	34	1,562,830.0	477,560.2	890.560	
	C-L2	1,562,829.3	477,568.9	889.620	
	35	1,562,829.2	477,570.1	889.161	
	36	1,562,829.0	477,573.5	888.252	
	37	1,562,828.3	477,582.4	887.757	
	39	1,562,827.7	477,590.9	888.199	
	40	1,562,827.2	477,598.8	889.104	
	C-R2	1,562,825.8	477,617.2	890.160	
	41	1,562,824.4	477,636.0	890.697	
	42	1,562,823.9	477,644.0	893.055	

River Cross-Section (Coordinates / Elevation) (Choluteca, 2/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-3	54	1,562,725.0	477,536.6	894.864	
	53	1,562,725.2	477,552.5	894.293	
	C-L3	1,562,725.2	477,558.1	892.662	
	52	1,562,725.2	477,560.4	892.188	
	51	1,562,725.3	477,560.8	891.229	
	50	1,562,725.3	477,565.1	888.447	
	48	1,562,725.3	477,568.7	888.487	
	47	1,562,725.4	477,573.7	888.503	
	46	1,562,725.5	477,585.9	889.101	
	45	1,562,725.8	477,620.1	890.582	
	44	1,562,725.8	477,625.1	896.769	
	C-R3	1,562,725.8	477,628.8	897.870	
	43	1,562,726.0	477,644.9	900.456	
C-4	65	1,562,632.0	477,526.3	894.754	
	C-L4	1,562,632.6	477,554.7	894.564	
	64	1,562,632.7	477,558.4	892.759	
	63	1,562,632.8	477,560.3	892.422	
	62	1,562,632.8	477,562.9	890.880	
	61	1,562,633.0	477,573.0	889.426	
	59	1,562,633.4	477,590.6	889.384	
	58	1,562,634.0	477,614.0	889.571	
	57	1,562,634.2	477,623.9	890.839	
	56	1,562,634.4	477,630.5	904.258	
	C-R4	1,562,634.4	477,631.9	904.628	
	55	1,562,634.7	477,647.3	905.702	
C-5	78	1,562,541.6	477,505.9	895.266	
	C-L5	1,562,539.9	477,533.7	894.370	
	77	1,562,539.7	477,536.9	892.955	
	76	1,562,538.3	477,558.6	892.056	
	75	1,562,537.1	477,579.0	891.013	
	74	1,562,536.6	477,586.4	889.637	
	73	1,562,536.0	477,596.4	888.742	
	71	1,562,535.7	477,600.3	889.457	
	70	1,562,534.7	477,617.2	889.672	
	69	1,562,534.4	477,620.6	890.670	
	68	1,562,534.1	477,626.4	904.667	
	C-R5	1,562,533.9	477,628.8	905.448	
	66	1,562,533.0	477,643.6	908.484	
	67	1,562,532.9	477,646.1	909.651	

River Cross-Section (Coordinates / Elevation) (Choluteca, 3/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-7	C-L7	1,562,375.7	477,476.7	895.085	
	90	1,562,362.1	477,495.3	893.486	
	89	1,562,355.0	477,504.7	891.744	
	87	1,562,340.6	477,523.5	891.478	
	86	1,562,329.7	477,538.3	891.730	
	85	1,562,328.1	477,540.5	893.043	
	C-R7	1,562,319.8	477,550.7	902.081	
C-8	C-L8	1,562,287.7	477,433.7	894.316	
	97	1,562,281.4	477,451.4	891.804	
	95	1,562,272.6	477,475.8	891.681	
	94	1,562,267.4	477,490.3	891.139	
	93	1,562,263.6	477,500.8	908.119	
	92	1,562,259.2	477,512.9	915.592	
	C-R8	1,562,258.5	477,514.4	916.286	
	91	1,562,252.1	477,532.6	919.391	
C-9	C-L9	1,562,228.9	477,355.1	896.583	
	98	1,562,221.7	477,365.0	893.815	
	99	1,562,215.5	477,373.6	892.586	
	100	1,562,210.8	477,380.2	891.898	
	101	1,562,208.5	477,383.3	892.050	
	102	1,562,204.7	477,388.6	892.573	
	103	1,562,202.6	477,391.5	891.789	
	104	1,562,200.1	477,395.0	890.651	
	106	1,562,188.8	477,410.6	903.700	
	C-R9	1,562,185.5	477,415.1	906.282	
	107	1,562,179.0	477,424.1	909.068	
C-10	108	1,562,182.9	477,265.8	894.791	
	109	1,562,180.4	477,267.9	894.395	
	C-L10	1,562,165.7	477,281.9	894.113	
	110	1,562,152.3	477,290.2	893.515	
	111	1,562,147.6	477,293.5	892.598	
	112	1,562,140.8	477,296.0	891.506	
	113	1,562,139.9	477,298.1	892.461	
	115	1,562,129.8	477,301.7	893.123	
	116	1,562,122.3	477,306.9	896.694	
	117	1,562,131.3	477,322.0	896.692	
	118	1,562,120.6	477,334.9	896.678	
	119	1,562,110.9	477,346.1	896.006	
	120	1,562,109.3	477,351.4	895.104	
	121	1,562,107.0	477,355.0	894.151	
	C-R10	1,562,091.0	477,371.2	910.066	

River Cross-Section (Coordinates / Elevation) (Choluteca, 4/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-11	122	1,562,170.3	477,160.7	899.026	
	C-L11	1,562,149.5	477,176.5	897.597	
	123	1,562,146.8	477,178.8	895.941	
	124	1,562,141.8	477,182.0	895.401	
	126	1,562,127.9	477,191.6	895.355	
	127	1,562,112.7	477,194.8	895.531	
	128	1,562,116.6	477,223.1	894.654	
	129	1,562,104.9	477,241.0	896.398	
	130	1,562,094.4	477,254.1	897.276	
	131	1,562,076.2	477,275.3	897.415	
	132	1,562,061.4	477,291.5	896.444	
	133	1,562,043.1	477,316.0	897.643	
	134	1,562,039.0	477,320.4	895.005	
	135	1,562,033.0	477,327.7	895.518	
	C-R11	1,562,026.4	477,340.8	909.734	
C-12	136	1,562,064.1	477,092.4	900.323	
	C-L12	1,562,062.5	477,094.5	899.219	
	137	1,562,059.9	477,097.5	897.037	
	138	1,562,061.0	477,099.5	895.795	
	140	1,562,055.2	477,104.3	895.430	
	139	1,562,055.1	477,105.7	895.026	
	141	1,562,049.5	477,108.0	894.596	
	142	1,562,038.7	477,110.2	895.448	
	143	1,562,042.0	477,129.0	896.230	
	144	1,562,023.6	477,159.4	897.218	
	145	1,561,997.6	477,202.7	898.164	
	146	1,561,978.1	477,229.9	898.489	
	147	1,561,964.4	477,254.3	898.487	
	148	1,561,957.3	477,263.1	894.992	
	149	1,561,948.2	477,273.1	894.853	
	150	1,561,944.1	477,278.9	895.927	
	C-R12	1,561,935.2	477,299.4	914.390	
C-13	151	1,561,965.9	477,018.7	902.402	
	C-L13	1,561,964.0	477,023.1	898.442	
	152	1,561,961.2	477,026.9	896.372	
	153	1,561,957.5	477,033.1	895.995	
	154	1,561,949.5	477,050.8	895.962	
	155	1,561,949.5	477,050.7	896.334	
	157	1,561,936.9	477,080.9	897.233	
	158	1,561,929.1	477,100.1	897.519	
	159	1,561,923.1	477,113.8	898.239	
	160	1,561,916.3	477,130.7	898.832	
	161	1,561,898.0	477,172.6	899.218	
	162	1,561,884.3	477,201.7	899.413	
	C-R13	1,561,857.3	477,263.7	915.379	

River Cross-Section (Coordinates / Elevation) (Choluteca, 5/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-14	2	1,561,875.5	476,976.4	904.105	
	C-L14	1,561,873.2	476,981.8	901.688	
	3	1,561,873.0	476,982.6	901.385	
	4	1,561,872.8	476,983.1	899.555	
	5	1,561,870.8	476,987.9	899.707	
	6	1,561,870.5	476,988.6	898.608	
	7	1,561,867.5	476,995.6	898.067	
	8	1,561,866.2	476,998.3	897.508	
	9	1,561,865.3	477,000.3	897.289	
	10	1,561,865.0	477,001.1	897.857	
	11	1,561,864.0	477,003.5	897.435	
	12	1,561,862.5	477,007.5	896.907	
	13	1,561,862.0	477,008.9	896.174	
	14	1,561,859.3	477,015.7	895.549	
	16	1,561,855.1	477,026.2	896.284	
	17	1,561,853.7	477,030.0	896.447	
	18	1,561,848.7	477,042.5	896.944	
	C-R14	1,561,847.3	477,045.7	897.533	
	20	1,561,841.4	477,060.3	898.037	
	21	1,561,836.4	477,072.7	898.727	
	22	1,561,831.2	477,085.6	899.269	
C-15	163	1,561,768.2	476,952.7	902.781	
	C-L15	1,561,766.9	476,957.8	898.673	
	164	1,561,764.7	476,968.9	895.113	
	166	1,561,762.5	476,974.5	896.308	
	167	1,561,762.6	476,976.6	897.022	
	168	1,561,758.2	476,997.6	897.461	
	169	1,561,754.2	477,017.8	896.816	
	170	1,561,754.0	477,020.1	897.064	
	C-R15	1,561,754.4	477,022.5	897.906	
	171	1,561,753.1	477,035.4	898.229	
	172	1,561,753.3	477,049.2	899.081	
	173	1,561,748.4	477,071.8	899.914	
	174	1,561,742.1	477,092.8	900.116	
	175	1,561,737.2	477,103.1	899.280	
	176	1,561,735.3	477,107.2	900.321	
	177	1,561,732.5	477,114.5	900.776	
C-16	178	1,561,668.3	476,927.7	903.138	
	C-L16	1,561,668.3	476,935.6	898.424	
	179	1,561,668.3	476,939.5	896.900	
	180	1,561,668.3	476,947.5	896.749	
	182	1,561,668.3	476,961.7	896.979	
	183	1,561,668.2	476,973.1	897.214	
	184	1,561,668.3	476,996.0	897.253	
	185	1,561,668.3	477,000.2	897.961	
	C-R16	1,561,668.3	477,007.4	898.581	
	186	1,561,668.6	477,011.9	898.608	
	187	1,561,669.3	477,022.1	899.542	
	188	1,561,671.1	477,045.7	900.290	

River Cross-Section (Coordinates / Elevation) (Choluteca, 6/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-17	189	1,561,565.8	476,926.1	904.316	
	C-L17	1,561,566.9	476,936.9	898.739	
	190	1,561,567.0	476,939.1	898.224	
	191	1,561,567.3	476,941.4	897.102	
	192	1,561,568.9	476,955.7	897.037	
	194	1,561,570.6	476,971.7	896.736	
	195	1,561,571.1	476,977.4	897.189	
	196	1,561,571.6	476,981.8	897.974	
	197	1,561,572.3	476,988.0	898.527	
	C-R17	1,561,572.7	476,992.0	898.892	
	198	1,561,574.0	477,004.3	899.638	
	199	1,561,575.3	477,017.5	900.394	
	200	1,561,578.5	477,040.6	901.142	
C-18	201	1,561,463.5	476,936.3	905.325	
	C-L18	1,561,466.9	476,956.5	897.768	
	202	1,561,467.3	476,958.6	897.028	
	203	1,561,468.1	476,962.9	896.351	
	205	1,561,468.9	476,967.7	896.859	
	206	1,561,471.2	476,981.2	897.150	
	207	1,561,472.8	476,991.1	898.304	
	C-R18	1,561,474.8	477,003.5	900.284	
	208	1,561,475.7	477,008.5	900.520	
	209	1,561,477.1	477,017.5	900.725	
	210	1,561,479.3	477,031.6	900.715	
C-19	211	1,561,352.4	476,974.9	905.068	
	212	1,561,357.0	476,987.8	898.965	
	C-L19	1,561,358.6	476,991.7	898.271	
	213	1,561,360.0	476,995.9	897.186	
	215	1,561,363.4	477,004.3	897.226	
	216	1,561,366.2	477,011.8	897.162	
	217	1,561,367.8	477,016.3	897.955	
	C-R19	1,561,368.9	477,019.3	898.593	
	218	1,561,372.6	477,032.0	899.714	
	219	1,561,377.1	477,045.4	900.582	
C-20	220	1,561,258.9	477,031.1	900.929	
	C-L20	1,561,260.6	477,033.3	898.639	
	221	1,561,262.4	477,036.5	897.503	
	222	1,561,265.5	477,040.5	897.182	
	224	1,561,268.0	477,044.1	897.066	
	225	1,561,272.9	477,050.4	897.603	
	226	1,561,275.6	477,053.4	898.717	
	227	1,561,281.9	477,061.7	899.038	
	228	1,561,292.2	477,075.4	900.095	
	C-R20	1,561,298.8	477,084.4	900.842	
	229	1,561,308.0	477,096.4	900.993	

River Cross-Section (Coordinates / Elevation) (Cholulca, 7/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-21	230	1,561,179.3	477,104.7	904.929	
	C-L21	1,561,183.1	477,107.5	899.333	
	231	1,561,192.0	477,105.4	897.744	
	233	1,561,194.0	477,115.2	897.655	
	234	1,561,199.9	477,119.5	897.706	
	235	1,561,204.3	477,122.5	898.771	
	236	1,561,210.3	477,126.7	899.392	
	237	1,561,221.0	477,134.2	899.704	
	238	1,561,235.7	477,143.6	900.153	
	241	1,561,253.3	477,154.9	900.257	
	240	1,561,259.8	477,159.5	903.178	
	239	1,561,261.9	477,161.0	904.039	
	C-R21	1,561,267.4	477,164.8	904.645	
	242	1,561,278.2	477,174.7	905.457	
C-22	243	1,561,120.5	477,198.6	903.804	
	244	1,561,124.1	477,199.8	901.109	
	C-L22	1,561,134.9	477,204.1	900.112	
	245	1,561,138.0	477,204.8	899.354	
	247	1,561,158.2	477,212.6	899.571	
	248	1,561,168.3	477,216.5	899.159	
	249	1,561,181.7	477,221.3	899.489	
	250	1,561,192.1	477,225.1	900.211	
	251	1,561,201.3	477,228.5	900.832	
	252	1,561,206.1	477,230.3	905.638	
	C-R22	1,561,208.8	477,231.3	905.989	
	253	1,561,218.1	477,234.7	906.814	
C-23	254	1,561,071.5	477,278.9	904.297	
	255	1,561,072.4	477,279.5	902.297	
	C-L23	1,561,085.5	477,285.2	901.400	
	256	1,561,111.4	477,297.5	900.171	
	257	1,561,113.2	477,298.1	899.652	
	258	1,561,127.0	477,304.4	899.003	
	260	1,561,136.7	477,309.2	898.313	
	261	1,561,142.6	477,312.4	899.279	
	262	1,561,145.7	477,313.8	900.856	
	263	1,561,150.3	477,316.1	905.316	
	264	1,561,154.8	477,318.8	906.591	
	265	1,561,155.5	477,319.3	906.730	
	C-R23	1,561,157.4	477,320.8	907.574	

River Cross-Section (Coordinates / Elevation) (Choluteca, 8/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-24	267	1,561,011.6	477,351.8	914.849	
	C-L24	1,561,019.0	477,358.4	911.551	
	269	1,561,052.9	477,376.0	901.418	
	270	1,561,074.8	477,384.8	900.169	
	271	1,561,077.2	477,386.2	899.741	
	272	1,561,080.5	477,387.8	899.578	
	274	1,561,090.7	477,393.9	899.617	
	275	1,561,100.5	477,399.1	899.447	
	276	1,561,107.9	477,405.1	905.308	
	C-R24	1,561,112.8	477,408.1	906.819	
	278	1,561,116.4	477,410.2	908.973	
C-25	279	1,560,987.4	477,427.2	910.801	
	CL-25	1,560,991.8	477,431.1	908.725	
	280	1,560,993.8	477,432.1	907.437	
	281	1,560,994.5	477,432.5	905.137	
	282	1,560,998.5	477,434.8	903.080	
	283	1,561,008.4	477,442.3	901.839	
	285	1,561,015.3	477,448.8	900.858	
	284	1,561,021.2	477,451.4	900.305	
	286	1,561,020.3	477,452.3	899.948	
	288	1,561,027.5	477,457.0	900.916	
	289	1,561,037.5	477,465.7	899.911	
	290	1,561,047.8	477,472.3	900.580	
	291	1,561,060.3	477,482.2	900.380	
	292	1,561,062.1	477,483.8	899.730	
	293	1,561,063.4	477,484.0	900.657	
	294	1,561,065.8	477,485.4	901.539	
	295	1,561,069.0	477,487.4	905.081	
	C-R25	1,561,073.2	477,489.9	905.922	
	296	1,561,076.3	477,492.7	908.642	
C-26	297	1,560,926.3	477,513.4	914.979	
	298	1,560,932.0	477,518.0	914.414	
	C-L26	1,560,933.4	477,519.6	913.119	
	300	1,560,940.5	477,525.5	902.783	
	301	1,560,942.4	477,527.8	902.756	
	302	1,560,947.4	477,532.2	901.431	
	303	1,560,949.5	477,534.6	900.735	
	305	1,560,954.2	477,539.5	900.536	
	306	1,560,963.6	477,547.3	901.301	
	307	1,560,969.5	477,553.5	904.181	
	308	1,560,979.2	477,561.5	902.467	
	309	1,560,994.1	477,573.6	901.255	
	310	1,560,995.3	477,573.9	900.723	
	311	1,560,996.6	477,575.0	901.298	
	312	1,561,000.3	477,576.6	901.822	
	C-R26	1,561,009.1	477,582.3	903.445	

River Cross-Section (Coordinates / Elevation) (Choluteca, 9/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-27	314	1,560,862.3	477,600.3	918.229	
	315	1,560,870.4	477,605.4	915.990	
	C-L27	1,560,871.5	477,606.2	915.721	
	316	1,560,881.6	477,611.1	903.436	
	317	1,560,886.5	477,612.6	901.612	
	318	1,560,898.1	477,617.9	901.338	
	320	1,560,909.8	477,627.1	902.097	
	321	1,560,922.6	477,632.6	902.372	
	322	1,560,938.4	477,639.3	903.324	
	323	1,560,952.8	477,646.6	903.630	
	C-R27	1,560,972.5	477,656.1	905.416	
C-28	C-L28	1,560,804.9	477,688.6	908.347	
	334	1,560,812.6	477,692.8	904.736	
	332	1,560,826.4	477,698.0	902.952	
	331	1,560,829.6	477,699.7	901.806	
	330	1,560,841.2	477,704.4	901.578	
	328	1,560,850.4	477,710.0	901.506	
	327	1,560,861.9	477,718.3	901.889	
	326	1,560,865.2	477,721.4	903.317	
	C-R28	1,560,869.0	477,725.6	904.494	
	325	1,560,871.1	477,729.6	905.997	
	324	1,560,872.6	477,731.8	908.324	
C-29	335	1,560,767.8	477,733.1	906.536	
	C-L29	1,560,765.7	477,745.8	905.120	
	336	1,560,765.8	477,748.1	904.107	
	337	1,560,763.0	477,758.0	902.740	
	338	1,560,762.0	477,761.2	902.061	
	340	1,560,761.5	477,768.2	902.095	
	341	1,560,757.6	477,777.0	902.010	
	342	1,560,755.3	477,781.8	902.904	
	343	1,560,751.0	477,790.8	903.661	
	344	1,560,744.9	477,803.7	905.271	
	C-R29	1,560,720.0	477,856.1	952.552	
	345	1,560,716.5	477,864.6	951.284	
	346	1,560,713.9	477,870.2	950.756	
C-30	C-L30	1,560,696.0	477,632.2	914.006	
	348	1,560,695.0	477,638.5	911.720	
	349	1,560,691.5	477,651.6	910.065	
	350	1,560,691.2	477,653.6	909.179	
	351	1,560,689.1	477,660.8	908.848	
	352	1,560,688.3	477,661.9	907.869	
	353	1,560,672.4	477,696.0	904.764	
	354	1,560,671.8	477,696.7	904.056	
	355	1,560,664.8	477,708.5	902.981	
	357	1,560,661.3	477,730.7	902.605	
	C-R30	1,560,617.9	477,788.7	946.230	
	358	1,560,611.5	477,797.4	945.694	

River Cross-Section (Coordinates / Elevation) (Choluteca, 11/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-34	399	1,560,551.0	477,348.4	909.098	
	C-L34	1,560,548.5	477,350.6	908.108	
	397	1,560,545.1	477,353.8	906.837	
	396	1,560,539.2	477,356.3	906.881	
	395	1,560,520.9	477,365.2	908.052	
	394	1,560,516.8	477,367.5	906.705	
	403	1,560,512.3	477,371.2	906.222	
	392	1,560,505.6	477,374.4	905.510	
	391	1,560,500.7	477,376.5	906.203	
	398	1,560,494.1	477,379.5	907.996	
	400	1,560,484.8	477,385.1	909.491	
	401	1,560,475.7	477,389.7	911.399	
	C-R34	1,560,467.9	477,393.1	912.868	
	402	1,560,460.6	477,397.1	912.984	
C-35	404	1,560,411.3	477,239.8	911.038	
	C-L35	1,560,409.7	477,242.9	908.159	
	405	1,560,408.9	477,245.1	906.942	
	406	1,560,401.8	477,258.7	906.698	
	407	1,560,401.1	477,258.9	907.047	
	408	1,560,393.4	477,270.0	907.792	
	409	1,560,391.9	477,272.5	908.518	
	410	1,560,386.2	477,283.0	909.131	
	411	1,560,384.8	477,285.6	910.112	
	412	1,560,378.7	477,297.9	911.550	
	C-R35	1,560,374.5	477,305.8	912.223	
	413	1,560,364.3	477,319.7	912.312	
	414	1,560,362.4	477,322.1	913.439	
	415	1,560,359.0	477,327.1	913.859	
	416	1,560,358.1	477,328.0	914.745	
	417	1,560,353.6	477,333.6	914.969	
C-36	418	1,560,346.2	477,204.8	908.834	
	C-L36	1,560,346.3	477,205.3	907.221	
	420	1,560,347.2	477,207.4	907.016	
	421	1,560,348.4	477,210.7	906.922	
	422	1,560,352.8	477,220.7	907.060	
	423	1,560,355.1	477,228.0	907.074	
	424	1,560,356.2	477,232.2	906.700	
	426	1,560,357.7	477,238.1	907.225	
	427	1,560,359.1	477,244.8	907.970	
	428	1,560,363.4	477,261.3	909.005	
	429	1,560,365.6	477,269.7	909.959	
	430	1,560,368.7	477,282.9	909.992	
	C-R36	1,560,374.5	477,305.8	912.223	
	431	1,560,377.3	477,320.7	912.592	
	432	1,560,378.8	477,328.7	913.896	

River Cross-Section (Coordinates / Elevation) (Choluteca, 12/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-37	433	1,560,299.4	477,202.2	917.207	
	C-L37	1,560,301.4	477,204.4	916.274	
	435	1,560,305.1	477,209.4	914.896	
	436	1,560,309.5	477,213.9	910.488	
	437	1,560,313.3	477,218.9	907.983	
	438	1,560,325.6	477,232.4	907.243	
	440	1,560,341.6	477,253.2	907.727	
	441	1,560,356.2	477,273.0	909.866	
	442	1,560,360.2	477,284.1	910.273	
	C-R37	1,560,374.5	477,305.8	912.223	
C-38	443	1,560,266.0	477,238.6	916.677	
	C-L38	1,560,271.7	477,244.1	916.705	
	444	1,560,277.0	477,250.3	912.471	
	445	1,560,285.0	477,256.7	911.921	
	446	1,560,286.8	477,258.0	910.124	
	447	1,560,292.9	477,263.0	908.697	
	448	1,560,304.3	477,273.1	908.466	
	450	1,560,316.6	477,284.2	908.818	
	451	1,560,319.4	477,286.9	909.186	
	452	1,560,324.4	477,291.4	909.205	
	C-R38	1,560,331.1	477,297.2	910.383	
C-39	453	1,560,191.4	477,267.9	913.395	
	C-L39	1,560,196.2	477,275.6	913.886	
	454	1,560,198.8	477,280.0	911.736	
	455	1,560,199.2	477,281.3	911.678	
	457	1,560,200.5	477,283.1	911.725	
	458	1,560,213.0	477,301.7	911.215	
	459	1,560,224.8	477,318.8	910.185	
	460	1,560,229.1	477,325.0	909.064	
	461	1,560,237.4	477,336.1	908.878	
	463	1,560,246.3	477,352.9	908.809	
	464	1,560,252.7	477,363.0	913.748	
	C-R39	1,560,264.1	477,376.6	932.726	
C-40	465	1,560,135.2	477,365.4	911.091	
	C-L40	1,560,140.9	477,373.1	914.771	
	466	1,560,147.3	477,381.7	912.429	
	467	1,560,147.6	477,382.3	911.338	
	468	1,560,150.9	477,387.0	909.657	
	469	1,560,153.3	477,392.0	909.284	
	471	1,560,168.0	477,412.2	909.913	
	472	1,560,170.9	477,419.4	911.201	
	473	1,560,179.9	477,428.9	922.089	
	C-R40	1,560,181.6	477,431.7	922.211	
	474	1,560,184.4	477,437.2	922.517	
	475	1,560,186.6	477,441.2	925.776	
	476	1,560,188.5	477,444.5	925.726	

River Cross-Section (Coordinates / Elevation) (Choluteca, 13/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-41	477	1,560,069.3	477,361.2	916.575	
	C-L41	1,560,070.2	477,374.5	917.169	
	479	1,560,066.8	477,406.8	914.550	
	480	1,560,065.3	477,429.8	910.516	
	481	1,560,064.8	477,438.0	910.053	
	482	1,560,062.5	477,446.1	909.709	
	484	1,560,058.7	477,458.5	910.444	
	485	1,560,056.7	477,466.5	914.921	
	486	1,560,057.1	477,471.3	917.502	
	C-R41	1,560,057.3	477,487.9	918.173	
C-42	509	1,560,022.0	477,371.3	917.350	
	C-L42	1,560,021.6	477,372.4	918.218	
	508	1,560,015.5	477,393.4	916.929	
	507	1,560,013.8	477,399.8	914.238	
	501	1,560,009.0	477,410.8	913.441	
	506	1,560,004.3	477,423.3	912.396	
	503	1,560,002.3	477,428.0	910.774	
	499	1,560,000.8	477,431.3	910.606	
	497	1,559,998.5	477,437.8	910.585	
	496	1,559,995.5	477,443.7	911.176	
	492	1,559,990.4	477,461.3	914.089	
	490	1,559,984.7	477,479.0	914.854	
	C-R42	1,559,979.9	477,489.5	915.823	
	488	1,559,979.2	477,500.7	916.151	
C-43	C-L43	1,559,921.7	477,322.6	924.037	
	510	1,559,919.1	477,336.0	923.966	
	511	1,559,915.8	477,345.6	918.071	
	512	1,559,913.2	477,356.3	917.338	
	513	1,559,910.2	477,370.8	912.211	
	514	1,559,903.3	477,395.6	912.266	
	515	1,559,901.8	477,399.0	913.188	
	516	1,559,900.7	477,403.4	911.543	
	517	1,559,898.1	477,407.3	910.990	
	518	1,559,895.3	477,413.8	911.613	
	519	1,559,893.3	477,419.4	912.451	
	520	1,559,891.9	477,426.9	913.578	
	C-R43	1,559,889.1	477,436.5	914.762	
C-44	C-L44	1,559,839.8	477,302.0	925.639	
	524	1,559,839.8	477,306.2	916.044	
	526	1,559,829.4	477,323.2	911.526	
	530	1,559,822.5	477,337.9	911.565	
	528	1,559,816.7	477,345.9	911.709	
	523	1,559,812.6	477,353.2	912.953	
	522	1,559,800.5	477,374.5	914.073	
	521	1,559,799.5	477,376.8	915.587	
	C-R44	1,559,793.8	477,390.0	916.763	

River Cross-Section (Coordinates / Elevation) (Choluteca, 14/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-45	C-L45	1,559,764.2	477,253.2	927.819	Bridge
	531	1,559,762.0	477,260.9	926.865	
	532	1,559,758.3	477,273.9	916.289	
	533	1,559,756.3	477,280.3	913.411	
	535	1,559,755.1	477,284.9	912.799	
	538	1,559,748.5	477,305.7	914.022	
	540	1,559,748.6	477,305.3	914.602	
	543	1,559,747.6	477,310.6	914.458	
	545	1,559,746.4	477,315.6	915.573	
	547	1,559,742.3	477,329.4	913.441	
	548	1,559,741.6	477,332.1	912.334	
	549	1,559,740.6	477,335.0	913.528	
	552	1,559,734.3	477,355.6	913.789	
	C-R45	1,559,716.6	477,414.4	917.544	
	560	1,559,714.1	477,424.3	917.486	
C-46	C-L46	1,559,654.7	477,245.2	921.701	
	571	1,559,649.1	477,279.4	913.356	
	572	1,559,647.6	477,288.0	912.975	
	574	1,559,646.6	477,292.0	913.071	
	575	1,559,647.0	477,304.9	913.250	
	577	1,559,646.1	477,307.9	913.842	
	578	1,559,646.1	477,308.4	915.309	
	579	1,559,644.9	477,308.7	914.759	
	C-R46	1,559,639.6	477,331.6	916.460	
C-47	C-L47	1,559,517.1	477,226.9	930.190	
	584	1,559,516.9	477,232.5	924.866	
	585	1,559,516.6	477,237.8	924.856	
	586	1,559,516.4	477,241.4	921.725	
	587	1,559,515.9	477,246.1	921.683	
	588	1,559,515.5	477,248.6	919.075	
	589	1,559,514.1	477,253.6	918.716	
	590	1,559,514.3	477,254.8	917.943	
	591	1,559,514.3	477,255.3	917.063	
	592	1,559,514.6	477,256.6	917.111	
	593	1,559,516.0	477,255.8	915.621	
	594	1,559,511.9	477,269.0	915.502	
	595	1,559,512.0	477,271.5	913.539	
	596	1,559,510.6	477,279.8	912.918	
	598	1,559,510.0	477,288.4	913.393	
	599	1,559,509.7	477,290.0	914.430	
	600	1,559,509.3	477,292.0	913.926	
	601	1,559,509.1	477,297.3	914.807	
	602	1,559,506.5	477,306.5	915.243	
	603	1,559,506.4	477,307.3	914.891	
	604	1,559,505.0	477,311.6	915.065	
	605	1,559,503.2	477,318.2	916.553	
	C-R47	1,559,499.6	477,334.5	917.019	
	606	1,559,498.2	477,338.5	917.187	
	607	1,559,498.1	477,339.0	918.494	

River Cross-Section (Coordinates / Elevation) (Choluteca, 15/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-48	608	1,559,417.6	477,237.1	922.220	
	C-L48	1,559,416.6	477,242.6	922.602	
	609	1,559,416.4	477,245.7	919.211	
	610	1,559,415.3	477,255.4	919.160	
	611	1,559,414.2	477,261.8	913.607	
	612	1,559,412.9	477,268.5	912.618	
	614	1,559,411.8	477,278.6	913.477	
	615	1,559,411.6	477,279.6	913.935	
	616	1,559,411.1	477,283.3	916.342	
	617	1,559,409.6	477,289.9	915.962	
	618	1,559,406.3	477,303.4	918.167	
	C-R48	1,559,403.0	477,314.6	921.433	
	619	1,559,401.8	477,318.6	922.212	
	620	1,559,399.3	477,328.2	922.804	
C-49	621	1,559,305.0	477,236.4	919.569	
	C-L49	1,559,305.1	477,240.0	919.703	
	622	1,559,305.5	477,241.3	918.882	
	623	1,559,305.3	477,241.8	918.894	
	624	1,559,305.5	477,241.9	918.013	
	625	1,559,305.5	477,242.9	917.988	
	626	1,559,305.6	477,243.2	917.161	
	627	1,559,309.7	477,256.8	915.880	
	628	1,559,310.2	477,259.4	913.404	
	629	1,559,309.9	477,254.0	912.988	
	631	1,559,311.3	477,259.8	912.476	
	632	1,559,311.3	477,260.4	917.214	
	633	1,559,311.8	477,262.8	916.969	
	634	1,559,313.1	477,270.5	916.987	
	C-R49	1,559,313.4	477,274.6	918.135	
	635	1,559,313.9	477,277.4	917.279	
	636	1,559,314.0	477,280.1	917.271	
	637	1,559,313.9	477,280.0	919.252	

River Cross-Section (Coordinates / Elevation) (Choloteca, 16/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-50	638	1,559,202.1	477,228.6	924.126	
	639	1,559,203.6	477,232.8	922.980	
	640	1,559,204.3	477,234.5	921.546	
	641	1,559,206.2	477,239.0	921.437	
	642	1,559,207.9	477,243.6	917.665	
C-L50		1,559,204.7	477,251.4	921.329	
	643	1,559,212.5	477,255.4	915.951	
	644	1,559,213.9	477,259.1	914.492	
	645	1,559,217.6	477,267.8	914.548	
	646	1,559,221.7	477,277.2	914.613	
	647	1,559,222.6	477,278.2	913.648	
	649	1,559,224.7	477,284.1	913.662	
	650	1,559,227.2	477,288.4	913.592	
	651	1,559,228.0	477,290.4	918.577	
	652	1,559,230.0	477,293.5	918.461	
	653	1,559,232.1	477,300.1	918.529	
	654	1,559,233.1	477,303.9	919.862	
C-R50		1,559,233.1	477,306.2	918.841	
C-51	655	1,559,096.0	477,321.7	915.677	
C-L51		1,559,097.9	477,322.6	916.129	
	656	1,559,101.6	477,325.0	915.837	
	657	1,559,104.1	477,327.1	914.527	
	658	1,559,109.9	477,330.0	914.392	
	659	1,559,113.7	477,331.3	913.853	
	661	1,559,118.9	477,333.5	914.420	
	662	1,559,124.7	477,336.4	915.244	
	663	1,559,137.1	477,344.0	915.661	
	664	1,559,146.1	477,347.6	916.517	
	665	1,559,149.7	477,345.9	918.090	
C-R51		1,559,154.0	477,348.3	918.839	
	666	1,559,162.0	477,354.9	918.576	
	667	1,559,163.4	477,356.4	919.978	

River Cross-Section (Coordinates / Elevation) (Choluteca, 1775)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-52	C-L52	1,559,038.2	477,376.2	925.697	Bridge
	683	1,559,038.3	477,375.6	920.651	
	685	1,559,042.9	477,376.3	918.277	
	686	1,559,050.0	477,377.3	918.579	
	688	1,559,054.9	477,377.4	916.919	
	689	1,559,060.2	477,377.6	917.471	
	691	1,559,063.6	477,378.0	916.816	
	693	1,559,065.1	477,378.3	916.780	
	694	1,559,066.8	477,378.6	917.629	
	695	1,559,068.9	477,378.6	916.687	
	697	1,559,083.1	477,379.8	916.216	
	699	1,559,086.3	477,380.3	914.932	
	701	1,559,094.4	477,380.4	914.055	
	705	1,559,102.3	477,381.3	914.341	
	707	1,559,107.5	477,384.9	913.960	
	709	1,559,116.4	477,383.7	914.868	
	711	1,559,119.2	477,383.8	915.757	
	713	1,559,128.9	477,383.9	916.237	
	716	1,559,133.8	477,384.7	917.820	
	717	1,559,142.3	477,385.7	917.818	
	718	1,559,144.2	477,385.6	917.782	
	720	1,559,147.5	477,385.9	922.326	
	721	1,559,148.7	477,387.0	922.834	
	C-R52	1,559,148.8	477,387.2	925.627	
C-53	722	1,559,005.3	477,476.1	919.225	
	C-L53	1,559,005.9	477,476.3	919.305	
	723	1,559,012.4	477,478.1	918.496	
	724	1,559,031.9	477,482.1	917.094	
	725	1,559,048.1	477,485.3	917.047	
	726	1,559,063.6	477,488.9	917.028	
	727	1,559,066.2	477,489.0	915.514	
	728	1,559,070.7	477,490.2	915.629	
	729	1,559,072.6	477,490.1	916.482	
	730	1,559,075.8	477,491.1	916.387	
	731	1,559,077.3	477,491.5	915.247	
	733	1,559,088.8	477,494.4	915.305	
	734	1,559,106.9	477,497.9	915.282	
	735	1,559,107.4	477,497.9	917.884	
	C-R53	1,559,108.5	477,498.1	917.823	

River Cross-Section (Coordinates / Elevation) (Choluteca, 18/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-54	C-L54	1,558,971.4	477,563.0	922.648	Bridge
	738	1,558,974.2	477,561.9	922.611	
	737	1,558,975.0	477,560.4	920.900	
	736	1,558,974.8	477,560.9	918.043	
	739	1,558,983.5	477,567.1	917.488	
	741	1,558,992.4	477,570.3	917.066	
	743	1,559,001.9	477,577.5	917.259	
	745	1,559,012.0	477,581.4	917.121	
	748	1,559,019.7	477,587.6	915.866	
	749	1,559,025.0	477,590.3	916.108	
	751	1,559,025.9	477,591.1	916.828	
	752	1,559,031.6	477,592.3	916.298	
	754	1,559,039.3	477,599.1	916.178	
	756	1,559,047.8	477,603.5	916.110	
	757	1,559,048.7	477,603.9	915.316	
	758	1,559,051.2	477,603.4	915.435	
	760	1,559,056.3	477,608.8	915.226	
	763	1,559,069.7	477,614.7	915.328	
	764	1,559,069.8	477,616.7	922.311	
	C-R54	1,559,068.8	477,621.1	921.908	
C-55	765	1,558,945.7	477,639.1	917.987	
	C-L55	1,558,947.0	477,639.5	918.009	
	766	1,558,963.4	477,648.1	917.665	
	767	1,558,975.7	477,655.6	917.233	
	768	1,558,981.5	477,659.5	916.295	
	769	1,558,986.1	477,662.5	916.035	
	770	1,558,998.6	477,670.7	915.880	
	772	1,559,009.8	477,678.1	915.565	
	773	1,559,018.5	477,682.8	915.870	
	774	1,559,021.1	477,684.7	916.543	
	775	1,559,023.7	477,686.5	917.428	
	776	1,559,024.9	477,687.1	917.071	
	777	1,559,025.3	477,687.8	921.687	
	C-R55	1,559,029.2	477,690.3	922.484	
	778	1,559,034.6	477,693.2	923.560	

River Cross-Section (Coordinates / Elevation) (Choluteca, 19/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks	
C-56	C-L56	1,558,880.8	477,716.6	921.055	Bridge	
	779	1,558,887.0	477,718.5	920.043		
	780	1,558,889.0	477,720.6	919.473		
	782	1,558,890.6	477,723.8	919.602		
	784	1,558,893.7	477,727.7	917.861		
	786	1,558,896.7	477,731.3	917.648		
	788	1,558,900.7	477,735.5	917.036		
	790	1,558,905.2	477,740.6	917.007		
	792	1,558,908.5	477,744.7	916.174		
	794	1,558,913.6	477,750.4	915.769		
	796	1,558,918.1	477,755.8	915.975		
	798	1,558,922.2	477,760.2	915.887		
	800	1,558,925.8	477,764.5	916.046		
	803	1,558,929.3	477,767.8	915.859		
	805	1,558,932.4	477,771.9	915.722		
	807	1,558,935.6	477,774.7	915.979		
	809	1,558,938.5	477,778.6	916.233		
	810	1,558,940.4	477,780.9	916.243		
	812	1,558,941.6	477,781.7	916.642		
	814	1,558,944.2	477,784.6	916.518		
815	1,558,947.8	477,787.6	916.479			
816	1,558,948.0	477,790.3	924.625			
	C-R56	1,558,953.4	477,805.4	926.392		
C-57	C-L57	1,558,885.9	477,721.7	919.575		
	817	1,558,891.3	477,738.8	917.987		
	818	1,558,892.4	477,746.3	917.754		
	819	1,558,895.3	477,756.3	916.605		
	820	1,558,897.8	477,767.8	916.990		
	821	1,558,898.0	477,769.2	916.191		
	822	1,558,901.9	477,784.2	915.993		
	824	1,558,905.6	477,801.1	916.266		
	825	1,558,907.2	477,805.8	917.781		
	826	1,558,907.4	477,807.1	920.640		
	C-R57	1,558,907.8	477,808.9	919.720		
C-58	C-L58	1,558,809.2	477,750.0	920.306		
	827	1,558,808.5	477,766.0	920.035		
	828	1,558,808.3	477,769.7	921.109		
	829	1,558,808.1	477,774.3	918.737		
	830	1,558,805.9	477,778.5	918.090		
	831	1,558,807.2	477,781.2	919.755		
	832	1,558,807.7	477,784.7	917.415		
	833	1,558,807.2	477,785.7	916.203		
	835	1,558,806.4	477,801.6	916.366		
	836	1,558,804.4	477,818.8	916.437		
	837	1,558,804.1	477,822.5	917.582		
	838	1,558,804.4	477,827.7	917.788		
		C-R58	1,558,804.2	477,828.2	919.744	
	839	1,558,804.3	477,829.2	919.379		
840	1,558,804.3	477,837.8	919.510			

River Cross-Section (Coordinates / Elevation) (Choluteca, 20/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-59	842	1,558,712.8	477,758.0	922.942	
	841	1,558,714.0	477,763.2	921.172	
	C-L59	1,558,715.6	477,770.8	921.136	
	843	1,558,715.7	477,771.7	922.985	
	844	1,558,717.2	477,778.4	918.942	
	845	1,558,717.7	477,782.0	919.563	
	846	1,558,718.7	477,787.8	918.002	
	847	1,558,720.1	477,793.3	916.352	
	848	1,558,722.9	477,806.2	916.070	
	850	1,558,725.7	477,819.7	916.314	
	851	1,558,725.8	477,820.5	916.514	
	852	1,558,726.1	477,825.7	918.120	
	853	1,558,727.7	477,834.2	918.643	
	854	1,558,728.7	477,839.0	919.462	
	C-R59	1,558,729.0	477,840.7	919.652	
	855	1,558,731.5	477,853.7	919.583	
C-60	856	1,558,595.0	477,750.8	923.849	
	C-L60	1,558,595.3	477,771.0	923.519	
	857	1,558,596.0	477,777.3	919.403	
	858	1,558,598.0	477,800.4	919.104	
	859	1,558,598.5	477,804.4	917.704	
	860	1,558,598.6	477,808.5	918.008	
	861	1,558,598.9	477,812.0	917.514	
	862	1,558,599.2	477,813.6	917.841	
	863	1,558,599.4	477,817.5	917.159	
	864	1,558,599.5	477,818.8	917.356	
	865	1,558,599.6	477,821.3	916.686	
	866	1,558,600.3	477,828.9	916.463	
	868	1,558,601.1	477,837.7	916.747	
	869	1,558,601.1	477,840.0	918.021	
	C-R60	1,558,601.5	477,841.1	920.985	
	885	1,558,520.2	477,766.4	922.305	
	884	1,558,520.0	477,766.8	922.307	
	883	1,558,520.5	477,770.0	922.904	
C-61	C-L61	1,558,520.7	477,772.6	922.522	
	882	1,558,520.3	477,775.5	920.180	
	881	1,558,519.5	477,779.1	919.999	
	880	1,558,516.9	477,785.5	918.469	
	879	1,558,516.7	477,793.9	918.218	
	878	1,558,516.3	477,799.3	918.368	
	877	1,558,515.4	477,803.9	917.691	
	876	1,558,515.7	477,805.9	917.183	
	875	1,558,513.8	477,813.5	917.371	
	873	1,558,511.1	477,824.2	917.163	
	872	1,558,507.2	477,827.9	917.796	
	871	1,558,506.9	477,838.8	917.897	
	870	1,558,506.6	477,843.4	920.244	
	C-R61	1,558,506.4	477,843.6	922.721	

River Cross-Section (Coordinates / Elevation) (Choluteca, 21/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-62	887	1,558,390.0	477,767.0	922.666	
	C-L62	1,558,390.5	477,779.6	920.245	
	888	1,558,390.6	477,784.1	919.072	
	889	1,558,393.2	477,796.7	918.242	
	890	1,558,394.1	477,806.4	917.966	
	891	1,558,395.0	477,809.0	917.881	
	892	1,558,395.6	477,812.8	918.103	
	893	1,558,395.6	477,814.5	916.888	
	894	1,558,396.8	477,820.2	915.900	
	896	1,558,396.6	477,822.8	916.106	
	897	1,558,395.8	477,830.8	917.188	
	886	1,558,396.3	477,855.6	940.769	
	C-R62	1,558,399.8	477,864.2	947.653	
C-63	899	1,558,325.3	477,764.4	924.480	
	C-L63	1,558,325.8	477,765.5	922.371	
	900	1,558,325.8	477,768.8	920.687	
	901	1,558,326.8	477,798.2	918.738	
	902	1,558,327.9	477,804.0	918.254	
	903	1,558,328.5	477,812.9	918.710	
	904	1,558,328.0	477,819.1	917.396	
	905	1,558,327.9	477,825.4	917.637	
	906	1,558,327.9	477,826.2	917.232	
	907	1,558,328.0	477,831.4	916.452	
	909	1,558,329.1	477,837.6	917.270	
	910	1,558,329.4	477,838.9	918.403	
	898	1,558,329.6	477,846.8	925.197	
	C-R63	1,558,332.9	477,877.6	943.734	
C-64	922	1,558,226.8	477,757.9	925.766	
	C-L64	1,558,226.6	477,759.3	925.890	
	921	1,558,223.3	477,763.1	919.216	
	920	1,558,217.3	477,771.3	918.226	
	919	1,558,214.8	477,773.9	917.355	
	917	1,558,210.2	477,779.4	917.172	
	916	1,558,204.2	477,786.3	917.382	
	915	1,558,202.7	477,788.0	918.524	
	914	1,558,198.5	477,792.4	918.546	
	913	1,558,197.3	477,794.7	920.115	
	912	1,558,190.2	477,806.7	920.435	
	911	1,558,167.3	477,831.4	930.088	
	C-R64	1,558,158.6	477,841.8	931.439	

River Cross-Section (Coordinates / Elevation) (Choluteca, 22/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-65	931	1,558,068.9	477,691.0	927.608	Bridge
	C-L65	1,558,066.0	477,706.6	926.777	
	930	1,558,067.5	477,709.7	926.748	
	937	1,558,063.6	477,724.1	923.039	
	941	1,558,063.6	477,724.1	919.972	
	943	1,558,063.3	477,727.9	918.815	
	942	1,558,068.1	477,734.3	918.737	
	944	1,558,061.2	477,746.2	918.205	
	946	1,558,060.7	477,755.6	918.067	
	945	1,558,065.3	477,759.2	918.397	
	949	1,558,059.7	477,765.4	918.210	
	950	1,558,059.4	477,768.7	918.595	
	951	1,558,058.4	477,779.8	919.585	
	948	1,558,062.4	477,784.1	919.486	
	952	1,558,057.8	477,786.1	919.944	
	953	1,558,057.8	477,786.2	922.294	
	936	1,558,056.9	477,808.4	932.155	
	C-R65	1,558,055.3	477,811.3	932.468	
	923	1,558,055.8	477,835.8	934.076	
C-66	954	1,557,954.5	477,720.8	922.176	
	C-L66	1,557,954.5	477,721.4	922.217	
	955	1,557,955.6	477,729.9	921.181	
	956	1,557,955.4	477,733.3	920.513	
	957	1,557,955.3	477,734.0	919.619	
	958	1,557,955.6	477,735.8	918.686	
	959	1,557,956.2	477,739.8	918.404	
	961	1,557,956.7	477,743.5	918.796	
	962	1,557,956.9	477,745.4	918.987	
	963	1,557,957.8	477,754.9	919.610	
	964	1,557,958.2	477,766.2	919.424	
	965	1,557,959.3	477,776.5	918.671	
	966	1,557,960.2	477,783.6	917.596	
	967	1,557,960.3	477,783.8	920.503	
	968	1,557,960.1	477,788.5	921.406	
	969	1,557,960.2	477,789.0	921.461	
	970	1,557,960.2	477,789.1	924.750	
	971	1,557,961.5	477,793.5	925.731	
	C-R66	1,557,962.6	477,798.7	928.637	

River Cross-Section (Coordinates / Elevation) (Choluteca, 23/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-67	974	1,557,802.8	477,754.9	925.281	
	973	1,557,802.8	477,755.1	924.267	
	C-L67	1,557,802.8	477,759.6	923.207	
	975	1,557,803.4	477,764.6	922.709	
	976	1,557,803.7	477,772.1	919.956	
	977	1,557,805.2	477,778.3	920.068	
	978	1,557,805.6	477,782.5	919.545	
	980	1,557,807.5	477,792.5	919.370	
	981	1,557,808.6	477,799.8	918.612	
	982	1,557,809.2	477,804.1	918.775	
	984	1,557,811.0	477,822.5	919.104	
	985	1,557,810.9	477,822.6	922.340	
	986	1,557,812.2	477,833.0	923.782	
	C-R67	1,557,813.0	477,841.1	926.232	
	987	1,557,813.3	477,841.8	926.375	
	988	1,557,813.4	477,842.2	931.030	
	991	1,557,814.4	477,847.8	931.493	
	990	1,557,814.6	477,848.4	936.862	
C-68	1042	1,557,695.7	477,839.6	926.251	
	1041	1,557,696.4	477,839.8	922.565	
	1018	1,557,702.0	477,845.7	921.734	
	1017	1,557,712.0	477,856.6	921.362	
	1016	1,557,718.6	477,867.3	921.914	
	C-L68	1,557,719.6	477,868.9	922.893	
	1019	1,557,720.6	477,871.0	922.850	
	1020	1,557,724.3	477,875.2	920.764	
	1021	1,557,725.7	477,884.2	919.973	
	1022	1,557,725.8	477,885.8	920.059	
	1023	1,557,728.2	477,892.7	918.924	
	1025	1,557,730.2	477,899.9	919.481	
	1026	1,557,731.3	477,902.6	919.928	
	C-R68	1,557,732.5	477,905.6	921.245	
	1027	1,557,736.4	477,916.7	928.745	
C-69	1040	1,557,618.4	477,905.1	924.268	
	1039	1,557,619.9	477,907.9	923.662	
	1038	1,557,622.5	477,915.4	922.911	
	1037	1,557,624.8	477,921.3	922.750	
	C-L69	1,557,627.2	477,927.1	925.492	
	1036	1,557,628.6	477,929.4	924.936	
	1035	1,557,629.4	477,931.3	923.037	
	1034	1,557,630.5	477,933.4	922.181	
	1033	1,557,631.6	477,935.6	921.184	
	1032	1,557,632.0	477,937.3	920.381	
	1030	1,557,635.6	477,945.4	920.116	
	1029	1,557,640.1	477,956.1	920.302	
	C-R69	1,557,643.5	477,962.5	921.204	
	1028	1,557,643.8	477,964.9	922.683	

River Cross-Section (Coordinates / Elevation) (Choluteca, 24/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-70	1056	1,557,520.5	477,936.3	926.637	
	1057	1,557,520.5	477,936.3	929.398	
	1055	1,557,523.0	477,944.7	926.597	
	C-L70	1,557,525.3	477,952.7	927.176	
	1054	1,557,525.2	477,952.4	921.249	
	1053	1,557,527.2	477,959.1	922.496	
	1052	1,557,529.6	477,966.0	921.678	
	1051	1,557,531.5	477,971.8	921.067	
	1049	1,557,533.0	477,976.2	920.809	
	1048	1,557,533.6	477,977.7	920.324	
	1047	1,557,533.9	477,978.3	919.964	
	1045	1,557,535.7	477,984.4	920.209	
	1059	1,557,538.8	477,993.6	920.455	
	C-R70	1,557,539.4	477,995.1	921.139	
1043	1,557,540.5	477,998.6	922.475		
1044	1,557,539.7	478,002.0	928.329		
1058	1,557,544.4	478,004.7	929.952		
1078	1,557,470.1	477,931.7	925.216		
1076	1,557,467.1	477,938.8	924.223		
1075	1,557,465.7	477,942.1	924.999		
1074	1,557,464.4	477,945.6	923.131		
1073	1,557,461.9	477,951.2	922.932		
1072	1,557,461.6	477,951.6	922.211		
1071	1,557,455.9	477,964.9	922.394		
C-71	C-L71	1,557,454.8	477,967.6	922.701	
	1070	1,557,453.5	477,970.5	921.542	
	1069	1,557,448.5	477,981.8	921.134	
	1068	1,557,447.0	477,985.3	920.666	
	1067	1,557,445.6	477,988.4	920.417	
	1065	1,557,443.6	477,993.3	920.366	
	1064	1,557,441.8	477,997.0	920.491	
	1063	1,557,440.4	478,000.2	920.835	
	1062	1,557,437.4	478,006.7	923.216	
	1061	1,557,437.4	478,006.7	923.226	
	C-R71	1,557,434.8	478,012.4	924.134	
	1060	1,557,434.4	478,013.0	926.550	
	C-72	1086	1,557,425.6	477,828.1	932.269
C-L72		1,557,418.8	477,843.7	932.294	
1085		1,557,417.6	477,846.9	932.580	
1088		1,557,413.9	477,857.4	924.845	
1089		1,557,412.7	477,859.9	924.006	
1090		1,557,409.0	477,869.7	923.187	
1092		1,557,408.7	477,872.1	922.859	
1093		1,557,404.2	477,874.4	924.467	
1094		1,557,397.5	477,884.1	924.048	
1095		1,557,392.5	477,893.2	924.068	
1096		1,557,390.3	477,896.1	924.126	
1097		1,557,379.9	477,906.6	923.625	
1098		1,557,375.5	477,910.7	921.761	
1099		1,557,374.5	477,911.9	921.366	

River Cross-Section (Coordinates / Elevation) (Choluteca, 25/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
	1111	1,557,358.4	477,922.3	921.583	
	1110	1,557,356.8	477,923.4	923.311	
	1109	1,557,354.7	477,924.9	923.596	
	1108	1,557,350.3	477,930.6	922.236	
	1107	1,557,349.8	477,931.2	923.414	
	1106	1,557,346.2	477,933.7	923.869	
	1104	1,557,317.2	477,946.4	925.833	
	1105	1,557,319.4	477,949.3	925.809	
	1103	1,557,310.7	477,950.5	926.558	
	1102	1,557,307.6	477,952.3	928.940	
	1101	1,557,304.2	477,954.1	930.522	
	1100	1,557,298.4	477,957.8	931.146	
	1079	1,557,288.2	477,962.6	936.341	
	C-R72	1,557,277.6	477,972.4	936.599	
	1113	1,557,384.0	477,745.5	927.812	
	1112	1,557,381.1	477,746.3	927.325	
C-73	C-L73	1,557,380.5	477,746.4	926.689	
	1114	1,557,367.5	477,751.6	924.821	
	1115	1,557,360.1	477,753.7	924.124	
	1116	1,557,347.7	477,758.5	922.409	
	1117	1,557,339.2	477,761.9	922.604	
	1118	1,557,338.7	477,762.1	922.125	
	1119	1,557,332.6	477,764.4	922.006	
	1121	1,557,327.6	477,766.3	921.841	
	1122	1,557,324.2	477,767.6	922.866	
	1123	1,557,316.4	477,770.6	922.898	
	C-R73	1,557,310.4	477,772.8	924.158	
	1124	1,557,305.1	477,774.8	923.912	
	1125	1,557,304.9	477,774.9	922.361	
	1126	1,557,303.7	477,775.3	922.356	
	1127	1,557,303.5	477,775.4	923.869	
	1128	1,557,301.8	477,776.0	924.712	
	1129	1,557,301.7	477,775.9	927.050	
C-74	1130	1,557,371.4	477,637.7	929.689	
	1131	1,557,365.8	477,639.8	928.825	
	1132	1,557,354.3	477,642.1	928.492	
	C-L74	1,557,341.5	477,645.2	928.600	
	1133	1,557,334.7	477,647.9	923.083	
	1134	1,557,333.6	477,648.3	921.926	
	1136	1,557,330.9	477,649.0	922.299	
	1137	1,557,319.0	477,652.4	922.089	
	1138	1,557,316.9	477,653.1	922.821	
	1139	1,557,314.3	477,652.8	923.597	
	1140	1,557,306.4	477,654.2	923.776	
	1141	1,557,295.6	477,656.6	925.041	
	C-R74	1,557,289.4	477,657.5	925.335	
	1142	1,557,287.4	477,657.7	924.084	

River Cross-Section (Coordinates / Elevation) (Choluteca, 26/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-75	1143	1,557,260.7	477,517.9	934.126	
	1144	1,557,253.6	477,529.5	926.448	
	1145	1,557,249.6	477,534.4	926.044	
	C-L75	1,557,243.7	477,541.4	924.519	
	1146	1,557,241.8	477,544.6	923.535	
	1147	1,557,241.4	477,545.4	922.768	
	1155	1,557,236.3	477,551.0	922.614	
	1154	1,557,231.4	477,556.8	922.888	
	1153	1,557,225.8	477,563.6	923.297	
	1152	1,557,221.2	477,572.0	923.909	
	1151	1,557,213.0	477,585.3	924.751	
	1150	1,557,209.8	477,592.0	926.573	
	C-R75	1,557,209.2	477,593.6	928.470	
	1149	1,557,207.4	477,596.3	927.841	
	1148	1,557,201.5	477,605.1	927.723	
C-76	1157	1,557,078.0	477,623.6	930.662	
	C-L76	1,557,081.0	477,627.6	927.235	
	1164	1,557,084.4	477,631.8	924.812	
	1165	1,557,087.9	477,636.5	925.093	
	1166	1,557,092.0	477,640.4	923.793	
	1167	1,557,093.1	477,642.0	923.395	
	1158	1,557,096.6	477,648.0	923.047	
	1160	1,557,102.7	477,655.2	923.257	
	1161	1,557,105.1	477,658.2	924.256	
	1162	1,557,113.5	477,668.3	925.894	
	C-R76	1,557,113.7	477,668.4	928.658	
C-77	1175	1,557,004.0	477,700.6	926.764	
	C-L77	1,557,005.0	477,701.8	926.735	
	1176	1,557,007.4	477,704.0	926.209	
	1177	1,557,010.6	477,707.3	926.034	
	1179	1,557,012.6	477,708.6	924.477	
	1180	1,557,013.9	477,710.3	923.979	
	1174	1,557,020.4	477,721.0	923.520	
	1172	1,557,024.4	477,725.0	923.358	
	1171	1,557,028.3	477,728.7	924.655	
	1170	1,557,032.0	477,733.7	925.162	
	C-R77	1,557,037.6	477,739.3	926.019	
	1168	1,557,038.0	477,739.6	925.097	

River Cross-Section (Coordinates / Elevation) (Choluteca, 27/75)

Code	Post No.	North (Mts.)	East (Mts.)	Elevation (Mts.)	Remarks
C-78	C-L78	1,556,909.4	477,741.1	932.418	Bridge
	1203	1,556,910.5	477,743.3	932.192	
	1202	1,556,913.1	477,749.8	932.686	
	1201	1,556,915.6	477,757.2	932.840	
	1200	1,556,915.8	477,757.6	926.062	
	1197	1,556,920.8	477,769.1	925.725	
	1198	1,556,919.2	477,769.6	925.776	
	1195	1,556,921.8	477,776.6	923.971	
	1192	1,556,923.3	477,782.0	923.890	
	1190	1,556,926.2	477,792.4	924.164	
	1188	1,556,929.6	477,801.0	924.572	
	1186	1,556,935.4	477,816.6	925.854	
	1184	1,556,938.7	477,827.8	927.830	
	1183	1,556,941.4	477,837.4	930.938	
	1182	1,556,941.9	477,837.5	934.654	
	C-R78	1,556,942.1	477,839.8	934.807	
C-79	C-L79	1,556,809.2	477,828.9	929.484	
	1214	1,556,823.1	477,839.6	926.817	
	1213	1,556,826.7	477,842.6	925.994	
	1212	1,556,831.2	477,847.0	925.795	
	1211	1,556,841.6	477,855.4	925.554	
	1209	1,556,848.3	477,860.2	925.559	
	1208	1,556,851.1	477,862.0	926.526	
	1207	1,556,854.1	477,864.4	926.966	
	1206	1,556,859.8	477,869.2	927.044	
	1205	1,556,863.4	477,874.4	927.822	
	C-R79	1,556,864.0	477,875.0	932.509	
	1204	1,556,876.3	477,888.9	932.802	
C-80	1227	1,556,728.1	477,851.9	933.170	
	C-L80	1,556,733.2	477,858.2	931.487	
	1228	1,556,735.6	477,861.8	931.624	
	1229	1,556,738.7	477,866.0	932.028	
	1230	1,556,743.2	477,873.0	928.670	
	1231	1,556,751.3	477,884.8	928.846	
	1232	1,556,753.6	477,891.4	926.041	
	1226	1,556,760.9	477,902.3	925.843	
	1225	1,556,765.7	477,909.2	924.849	
	1223	1,556,769.7	477,915.4	924.779	
	1222	1,556,772.9	477,920.6	925.485	
	1221	1,556,775.1	477,923.8	925.996	
	1220	1,556,777.9	477,926.8	926.381	
	1219	1,556,780.6	477,932.1	927.035	
	1218	1,556,781.9	477,934.4	927.931	
	C-R80	1,556,782.3	477,935.0	931.343	
	1217	1,556,794.7	477,950.1	932.720	