REPUBLICA DE CHILE
OFICINAS FISCALES

EMBALSES CONSTRUIDOS POR EL ESTADO -

EMBALSE	VOLUMENES	HAS.	TIPO	FECHA CONST.
CARITAYA 19°01 69°20	42.171.000 M³	1.200	Rock-fill	1935 51,51
LAGUNA DEL HUASCO	CHICA 3.000.000 GRANDE 7.500.000 (W)	6.880	Tierra	1911
LAUTARO	37.300.000	9.890	"	1939 1,88
LA LAGUNA	40.164.000	24.000	Tierra	1940
RECOLETA	100.381.000	15.000	"	1934
COGOTI	150.000.000	12.000	Rock-fill	1941
PALOMA	740.000.000	57.000	Tierra	1968
CULIMO	8.583,200	1.000	"	1933
PURISIMA	2.352.000	400	"	1931
PITAMA	2.125.000	300	"	1931
LO OROZCO	5.518.000	800	"	1931
LO OVALLE	13.526.000	1.200	"	1932
PERALES DE TAPIHUE	11.642.000	800	"	1932
RUNGUE	2.400.000	550	"	1961
HUECHUN	30.000.000	3.000	"	1932
EL YESO	250.000.000	120.000	"	1967
CERRILLOS DE LEYDA	2.723.000	400	"	1932
LOLOL	6.386.000	600	"	1938
EL PLANCHON	70.000.000	25.000	"	1949 L.G. 5.5 L.CH 3.0
LAGUNA DEL MAULE	1.420.000.000	200.000	"	1954
BULLILEO	60.000.000	32.000	"	1948
DIGUA	220.000.000	33.800	"	1968
TUTUVEN	16.500.000	2.500	"	1953
TUCAPEL	410.000	80	"	1960
HUELEHUEICO	5.200.000	600	"	1930
ANCOA				
RAPEL				

REPUBLICA DE CHILE
OFICINAS FISCALES

EMBALSES CONSTRUIDOS POR EL ESTADO

EMBALSE	VOLUMENES	HAS.	TIPO	FECHA CONST.
✓ CARITAYA	✓ 42.171.000 M³	1.200	Rock-fill	1935 51-52
✓ LAGUNA DEL HUASCO	(Chica 2.000.000 Grande 9.500.000)	6.880	Tierra	1911
✓ LAUTARO	✓ 37.300.000	9.870	"	1939 1.83
✓ LA LAGUNA	✓ 40.164.000	24.000	Tierra	1940
✓ RECOLETA	✓ 100.381.000	15.000	"	1934
✓ COGOTI	✓ 150.000.000	12.000	Rock-fill	1901
✓ PALOMA	✓ 740.000.000	57.000	Tierra	1968
✓ CULIMO	✓ 8.583,200	1.000	"	1933
PURISIMA	✓ 2.352.000	400	"	1931
PITAMA	✓ 2.125.000	300	"	1931
D OROZCO	✓ 5.518.000	800	"	1931
LO OVALLE	✓ 13.526.000	1.200	"	1932
PERALES DE TALAGANTE	✓ 11.642.000	800	"	1932
RUNGUE	✓ 2.400.000	550	"	1961
✓ HUECHUN	✓ 30.000.000	3.000	"	1932
✓ EL YESO	✓ 250.000.000	120.000	"	1967
CERRILLOS DE LEYDA	✓ 2.723.000	400	"	1932
✓ LOLOL	✓ 6.356.000	600	"	1938
EL PLANCHON	70.000.000	25.000	"	1949 46. 0.5 Con 3.0
✓ LAGUNA DEL MAULE	✓ 1420.000.000	200.000	"	1954
✓ BULLILEO	✓ 60.000.000	32.000	"	1948
✓ TUTUVEN	✓ 16.500.000	2.500	"	1953
TUCAPEL	✓ 410.000	80	"	1960
✓ HUELEHUEICO	✓ 5.200.000	600	"	1930
✓ ANCOA	✓			
RAPEL				

CORPORACION DE FOMENTO DE LA PRODUCCION

CHILE

GRANDES EMBALSES DE CHILE - 1966

International Commission on Large Dams

"WORLD REGISTER OF DAMS"

NATIONAL COMMITTEE OF ..CHILE.....

Information on Dams supplied to National Committee by

.....

Including Dams in Existence, under Construction or Proposed 1961

STANDARD FORM OF QUESTIONNAIRE TO ENABLE THE OFFICIAL REGISTER OF DAMS TO BE PREPARED BY THE NATIONAL COMMITTEE.

	(1) FILE NO.	(2) NAME OF DAM	(3) YEAR OF COMPLETION	(4) LOCATION RIVER	(5) NEAREST CITY	(6) STATE COUNTY OR EQUIVALENT	(7) TYPE	(8) HEIGHT ABOVE LOWEST FOUNDATION	(9) HEIGHT FOUNDATION TO CUT-OFF	(10) HEIGHT ABOVE GROUND LEVEL	(11) LENGTH OF CREST	(12) VOLUME CONTENT OF DAM	(13) CAPACITY OF RESERVOIR	(14) PURPOSE	(15) INSTALLED POWER CAPACITY	(16) OWNER	(17) ENGINEERING BY	(18) CONSTRUCTION BY	(19) REMARKS	
			-: Delete units which are not being used :-					METRES	METRES	METRES	METRES	CUBIC METRES	CUBIC METRES		KW					
1		Catapilco	1853	Catapilco	Catapilco	Valparaíso	E	14			500	195 000		I		Private property	S. Campbell			1
2		San Alfonso	1892	Casas Viejas	Catapilco	Valparaíso	E	22			250	30 500	2×10^6	I		Private property				2
3		Peñuelas	1900	Las Tablas	Valparaíso	Valparaíso	E	22		19	480		95×10^6	P	✓	M.O.P. (x)	Lyon y Rengifo	Juan M. Murphy Marquandy	(x) Ministry of Public Works	3
4		Sloman	1911	Loa	Quillagua	Antofagasta	G	40			47		1×10^6	H	1 245	Private property	H.B.Sloman y Cia.	H.B.Sloman y Cia.		4
5		Lliu-Lliu	1912	Lliu-Lliu	Limache	Valparaíso	E	20			475	220 000	$2,8 \times 10^6$	I		Private property	Carlos Wargny			5
6		La Vinilla	1912	Zapata	Casa Blanca	Valparaíso	E	15			1 120		10×10^6	I	✓	Private property				6
7		Llolleo	1915	El Sauce	San Antonio	Santiago	E	15			68	22 000	$0,92 \times 10^6$	I		Private property				7
8		La Marquesa de Los Quillayes	1920	Los Quillayes	San Antonio	Santiago	E	21			190	128 000		I		Private property				8
9		Las Palmas de Quilpué	1924	Las Palmas	Quilpué	Valparaíso	E	15,50			268		$2,1 \times 10^6$	I		Private property	C.K. Frampé	C.K. Frampé		9
10		La Dehesa	1924	Las Hualtatas	Santiago	Santiago	E	21			365		$3,8 \times 10^6$	I	✓	Private property	Ernesto Boso	Ernesto Boso	Reinforced concrete core	10
11		Alcones	1926	El Peral	Pichilemu	Colchagua	E	28			300	111 000	14×10^6	I	✓	Private property	Urbano Mena			11
12		Carrizal	1926	El Carrizal	Pichilemu	Colchagua	E	15			300		$4,5 \times 10^6$	I	✓	Private property	Urbano Mena			12
13		Huelehueico	1930	Los Coipos	Angol	Malleco	E	16			95	35 000	$5,4 \times 10^6$	I	✓	M.O.P. and irrigators	Ernesto Ríos Talavera	Ernesto Ríos Talavera		13
14		Orozco	1931	La Playa	Casa Blanca	Valparaíso	E	15,50			614	380 000	$5,5 \times 10^6$	I	✓	M.O.P and irrigators	Dirección de Riego (x)	Boso , Casali y Cia.	(x) Government Agency	14
15		Pitama	1931	Pitama	Casa Blanca	Valparaíso	E	16,5			375	254 000	$2,1 \times 10^6$	I		Private property	Dirección de Riego	Boso, Casali y Cia.		15

SPECIAL NOTE: HEIGHT OF DAMS TO BE REGISTERED.

All dams above 15 metres (50 feet) in height, measured from the lowest portion of the general foundation area to the crest, are to be included. Dams between 10 metres (33 feet) and 15 metres (50 feet) can be included if desired, provided they comply with at least one of the following conditions: (a) the length of crest not less than 500 metres (1,500 feet) (b) the capacity of the reservoir formed by the dam not less than 100,000 cubic metres (3.5 million cubic feet or 80 acre-feet) (c) the maximum flood discharge dealt with by the dam not less than 2,000 cubic metres per second (70,000 cusecs) (d) if the dam had specially difficult foundation problems, or (e) is a dam of unusual design. Dams less than 10 metres (33 feet) in height are not to be included in the register.

NOTES FOR GUIDANCE IN FILLING UP FORM.

Information is to be given for all existing dams, as well as those under construction or proposed, which comply with the requirements given in the Special Note above. All particulars entered on the Form should be written clearly in Ink, and in Block Capitals or Script lettering for greater legibility.

The dimensions to be furnished in columns (8) to (15) can be given either in metres or feet depending on the system in use in the country.

All existing dams should be registered even if only a few of the columns (2) to (19) can be completed.

(1) Leave blank; this column will be filled in by the Office of the National Committee.

(2) Give the official name of the dam. If another name for the dam is in common use include in brackets to enable cross referencing to be made in the Register. If the name of the reservoir is different from the name of the dam insert in Column (13).

(3) Give the year when the main dam structure was completed and ready for use. If the dam is under construction indicate (U.C.). If the dam is proposed indicate (P). The dams will be recorded in chronological order in the Official Register so that an approximate date for all existing dams should be given if the exact date is not known.

(4) Give the name of the river or stream on which the dam is built.

(5) Give the nearest town or city which can be located on a general map of the country.

(6) Give the State, County, Department or other area defined on a general map, otherwise give geographical position in country, such as North, East, South, etc.

(7) The type of dam to be shown thus: Earth Fill (E), Rockfill (R), Gravity (G), Buttress (B), Multi-Arch (MA), Multi-Dome (MD), Arch Constant Radius (CR), Arch Constant Angle (CA), Cupola (C). If type not included as above, or if subsequently heightened, indicate X and describe in Remarks Column (19).

Dimensions in Columns (8), (9), (10) and (11).

It will be sufficiently accurate if dimensions in columns (8), (9), (10) and (11) are given to the nearest metre or foot.

(8) Give the height from the lowest portion of the general foundation area of the dam to the "crest". The "crest" is defined as the level of the roadway or walkway on the dam, or alternatively the maximum water level plus the designed freeboard. For a dam with a spillway only, the level of the "crest" to be taken as the maximum flood water level.

(9) Give the additional distance from the lowest portion of the general foundation area of the dam to the bottom of the cut-off, provided that the bottom width of the cut-off is not less than 10 metres (30 feet). Otherwise leave this column blank.

(10) Give the height from the lowest ground level, generally the bed of the river or stream across which the dam has been built, to the "crest". The "crest" is defined in the note on (8).

(11) Give overall length of dam at crest level, including portions occupied by Spillway or Power Station.

(12) Give total volume even if different materials are used. If volume of these separate materials is known, insert in column (19) Concrete (C), Rock Fill (R), Earth Fill (E).

(13) Give total storage capacity, including dead storage, up to the normal top of retention water level (not flood level).

(14) Give purpose for which reservoir is used. Irrigation (I), Hydro-Electric Development (H), Flood Control (F), Navigation (N), Public Water Supply (P), Industrial Water Supply (IS), Recreational Purposes (R), Water Conservation (C), Log Ponds for floating timber (L). If purpose other than foregoing describe in (19).

(15) Give installed capacity at, or near dam. If other capacity installed in stations more remote from dam, include in column (19). If future capacity contemplated indicate by (F).

(16) Give name of Authority who own and are responsible for dam and its operation.

(17) Give name of Authority or Engineering Firm who designed dam.

(18) Give name of Authority or Contractors who carried out construction.

(19) To be used for amplifying information as indicated, or adding any additional remarks which will assist in the preparation of the Official Register.

FORM NO. 2

International Commission on Large Dams
WORLD REGISTER OF DAMS
NATIONAL COMMITTEE OF ...CHILE.....
Information on Dams supplied to National Committee by
.....
including Dams in Existence, under Construction or Proposed
1961

STANDARD FORM OF QUESTIONNAIRE
TO ENABLE THE OFFICIAL REGISTER OF DAMS TO
BE PREPARED BY THE NATIONAL COMMITTEE.

	(1) FILE NO.	(2) NAME OF DAM	(3) YEAR OF COMPLETION	(4) LOCATION RIVER	(5) NEAREST CITY	(6) STATE COUNTY OR EQUIVALENT	(7) TYPE	(8) HEIGHT ABOVE LOWEST FOUNDATION	(9) HEIGHT FOUNDATION TO CUT-OFF	(10) HEIGHT ABOVE GROUND LEVEL	(11) LENGTH OF CREST	(12) VOLUME CONTENT OF DAM	(13) CAPACITY OF RESERVOIR	(14) PURPOSE	(15) INSTALLED POWER CAPACITY	(16) OWNER	(17) ENGINEERING BY	(18) CONSTRUCTION BY	(19) REMARKS	
		-: Delete units which are not being used :-						METRES	METRES	METRES	METRES	CUBIC METRES	CUBIC METRES		KW					
1		Purísima	1931	El Membrillo	Casa Blanca	Valparaíso	E	19,5			153	105 000	$2,4x10^6$	I		M.O.P. and irrigators	Augusto Larraín G.-M.O.P.	Augusto Larraín G.		1
2		Cerrillos	1932	Leyda	Melipilla	Santiago	E	18,5			87	50 000	$3,4x10^6$	I	✓	M.O.P. and irrigators	Urbano Mena	Urbano Mena		2
3		Huechún	1932	Chacabuco	Santiago	Santiago	E	20,0	10	15,4	1 300		$30x\ 10^6$	I	✓	Private property	Urbano Mena	Ernesto Boso		3
4		Lo Ovalle	1932	Lo Ovalle	Casa Blanca	Valparaíso	E	13,0			1 520	1 150 000	$13,5x10^6$	I	✓	M.O.P. and irrigators	Dirección de Riego	Boso, Casali y Cía.		4
5		Los Perales de Tapihue	1932	Tapihue	Casa Blanca	Valparaíso	E	14,5			1 575	870 000	$11,6x10^6$	I	✓	M.O.P. and irrigators	Dirección de Riego	Boso, Casali y Cía.		5
6		Culimo	1933	Quilimarí	Los Vilos	Coquimbo	E	36,0			220		10×10^6	I	✓	Private property	Dirección de Riego	Carlos Barroilhet		6
7		Recoleta	1934	Hurtado	Ovalle	Coquimbo	E	46,5	13,5		816	1 450 000	100×10^6	I	✓	M.O.P. and irrigators	Dirección de Riego	Ernesto Boso		7
8		Caritaya	1935	Caritaya	Pisagua	Tarapacá	R	38,5			156	1 120 000	42×10^6	I	✓	M.O.P. and irrigators	Dirección de Riego	Cía.Gral. de Construc.-Direc.de Riego.		8
9		La Laguna	1937	La Laguna	Vicuña	Coquimbo	E	41,0			230	580 000	40×10^6	I	✓	M.O.P. and irrigators	Dirección de Riego	ULEN y Cía.		9
10		Lolol	1938	Fortaleza	Santa Cruz	Colchagua	E	29,5			200		$6,4x\ 10^6$	I	✓	Private property	Dirección de Riego	Dirección de Riego		10
11		Cogotí	1939	Huatulame	Combarbalá	Coquimbo	R	82,7			160	774 500	$150x10^6$	I	✓	M.O.P. and irrigators	Dirección de Riego	Ernesto Boso	Upstream reinf. concrete facing	11
12		Lautaro	1939	Copiapó	Copiapó	Atacama	E	30,0			812	1 120 000	37×10^6	I	✓	M.O.P. and irrigators	Dirección de Riego	Siem y Goñi		12
13		La Marquesa	1940	La Marquesa	Melipilla	Santiago	E	23,0			450	370 000	6×10^6	I	✓	Private property				13
14		El Sauce	1946	Quebr. El Sauce	Curicó	Curicó	E	21		195	185	65 200	$0,6x\ 10^6$	I		Private property	Dávila, Infante, Izquierdo	V. Vial L.		14
15		Sauzal	1948	Sauzal	Rancagua	O'Higgins	E	32		22	500	568 000	$2,3x10^6$	H	76 800	ENDESA (1)	ENDESA	ENDESA	(1)Empresa Nacional de Electricidad S.A.	15

SPECIAL NOTE: HEIGHT OF DAMS TO BE REGISTERED.

All dams above 15 metres (50 feet) in height, measured from the lowest portion of the general foundation area to the crest, are to be included. Dams between 10 metres (33 feet) and 15 metres (50 feet) can be included if desired, provided they comply with at least one of the following conditions: (a) the length of crest not less than 500 metres (1,600 feet) (b) the capacity of the reservoir formed by the dam not less than 100,000 cubic metres (3.5 million cubic feet or 80 acre-feet) (c) the maximum flood discharge dealt with by the dam not less than 9,000 cubic metres per second (70,000 cusecs) (d) if the dam had specially difficult foundation problems, or (e) is a dam of unusual design. Dams less than 10 metres (33 feet) in height are not to be included in the register.

NOTES FOR GUIDANCE IN FILLING UP FORM.

Information is to be given for all existing dams, as well as those under construction or proposed, which comply with the requirements given in the Special Note above. All particulars entered on the Form should be written clearly in Ink, and in Block Capitals or Script lettering for greater legibility.

The dimensions to be furnished in columns (8) to (15) can be given either in metres or feet depending on the system in use in the country.

All existing dams should be registered even if only a few of the columns (2) to (18) can be completed.

(1) Leave blank; this column will be filled in by the Office of the National Committee.

(2) Give the official name of the dam. If another name for the dam is in common use include in brackets to enable cross referencing to be made in the Register. If the name of the reservoir is different from the name of the dam insert in Column (19).

(3) Give the year when the main dam structure was completed and ready for use. If the dam is under construction indicate (U.C.). If the dam is proposed indicate (P). The dams will be recorded in chronological order in the Official Register so that an approximate date for all existing dams should be given if the exact date is not known.

(4) Give the name of the river or stream on which the dam is built.

(5) Give the nearest town or city which can be located on a general map of the country.

(6) Give the State, County, Department or other area defined on a general map, otherwise give geographical position in country, such as North, East, South, etc.

(7) The type of dam to be shown thus: Earth Fill (E), Rockfill (R), Gravity (G), Buttress (B), Multi-Arch (MA), Multi-Dome (MD), Arch Constant Radius (CR), Arch Constant Angle (CA), Cupola (C). If type not included as above, or if subsequently heightened, indicate X and describe in Remarks Column (19).

Dimensions in Columns (8), (9), (10) and (11).

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(8) Give the height from the lowest portion of the general foundation area of the dam to the "crest". The "crest" is defined as the level of the roadway or walkway on the dam, or alternatively the maximum water level plus the designed freeboard. For a dam with a spillway only, the level of the "crest" to be taken as the maximum flood water level.

(9) Give the additional distance from the lowest portion of the general foundation area of the dam to the bottom of the cut-off, provided that the bottom width of the cut-off is not less than 10 metres (30 feet). Otherwise leave this column blank.

(10) Give the height from the lowest ground level, generally the bed of the river or stream across which the dam has been built, to the "crest". The "crest" is defined in the note on (8).

(11) Give overall length of dam at crest level, including portions occupied by Spillway or Power Station.

(12) Give total volume even if different materials are used. If volume of these separate materials is known, insert in column (19) Concrete (C), Rock Fill (R), Earth Fill (E).

(13) Give total storage capacity, including dead storage, up to the normal top or retention water level (not flood level).

(14) Give purpose for which reservoir is used. Irrigation (I), Hydro-Electric Development (H), Flood Control (F), Navigation (N), Public Water Supply (P), Industrial Water Supply (IS), Recreational Purposes (R), Water Conservation (C), Log Ponds for floating timber (L). If purpose other than foregoing describe in (19).

(15) Give installed capacity at, or near dam. If other capacity installed in stations more remote from dam, include in column (19). If future capacity contemplated indicate by (F).

(16) Give name of Authority who own and are responsible for dam and its operation.

(17) Give name of Authority or Engineering Firm who designed dam.

(18) Give name of Authority or Contractors who carried out construction.

(19) To be used for amplifying information as indicated, or adding any additional remarks which will assist in the preparation of the Official Register.

International Commission on Large Dams

WORLD REGISTER OF DAMS

NATIONAL COMMITTEE OF CHILE

Information on Dams supplied to National Committee by .....

Including Dams in Existence, under Construction or Proposed 1961

FORM NO. 3

STANDARD FORM OF QUESTIONNAIRE TO ENABLE THE OFFICIAL REGISTER OF DAMS TO BE PREPARED BY THE NATIONAL COMMITTEE.

	(1) FILE NO.	(2) NAME OF DAM	(3) YEAR OF COMPLETION	(4) LOCATION RIVER	(5) LOCATION NEAREST CITY	(6) LOCATION STATE COUNTY OR EQUIVALENT	(7) TYPE	(8) HEIGHT ABOVE LOWEST FOUNDATION	(9) HEIGHT FOUNDATION TO CUT-OFF	(10) HEIGHT ABOVE GROUND LEVEL	(11) LENGTH OF CREST	(12) VOLUME CONTENT OF DAM	(13) CAPACITY OF RESERVOIR	(14) PURPOSE	(15) INSTALLED POWER CAPACITY	(16) OWNER	(17) ENGINEERING BY	(18) CONSTRUCTION BY	(19) REMARKS	
		← Delete units which are not being used →						METRES	METRES	METRES	METRES	CUBIC METRES	CUBIC METRES		KW					
1		Bullileo	1949	Bullileo	Parral	Linares	E	83	13	70	270	1 400 000	60×10^6	I	✓	Private property	Dirección de Riego	Salinas y Fabres y Direc.de Riego		1
2		Marga-Marga	1949	Marga-Marga.Moscoso	Villa Alemana	Valparaíso	G	20,50	[illegible]	19,50	180	9 500	$1,5 \times 10^6$	P		M.O.P.	César Alfonso			2
3		Til - Til	1950		Til-Til	Santiago	E	19			160	95 000	$2,28 \times 10^6$	I		Private property				3
4		Arroyo Salado	1951	Arroyo Salado	Calama	Antofagasta	G	34,25		28,25	22,25	18 000	$0,21 \times 10^6$	IS		Chile Exploration Co.	Anaconda Engineering Dept.	Chile Exploration Co.		4
5		Tutuvén	1951	Tutuvén	Cauquenes	Maule	E	32		29	151	700 000	16×10^6	I	✓	M.O.P. and irrigators	Dirección de Riego	de la Barra		5
6		Las Piedras	1956	El Carrizo	Quilpué	Valparaíso	E	18,3			176	59 000	$0,3 \times 10^6$	I		Private property	C.Ilona Reyes	Waldo Jara S.		6
7		La Dehesa	1957	Est. El Arrayán	Barnechea	Santiago	E	17,6		17	514	146 800	$1,3 \times 10^6$	I		Private property	G.Silva Claro			7
8		Laguna del Maule	1957	Maule	Talca	Talca	E	40		30	193	560 000	1570×10^6	IH	✓ F	M.O.P. and ENDESA	Dirección de Riego	ENDESA		8
9		Tucapel	1957	Tucapel	Los Angeles	Ñuble	E	15		12	254	44 000	$0,4 \times 10^6$	I		M.O.P. and Irrigators	Dirección de Riego	Dirección de Riego		9
10		Cipreses	1958	Cipreses	Talca	Talca	E	28		22	360	390 000	173×10^6	H	101 400	ENDESA	ENDESA	ENDESA	Founded on lava	10
11		Rungue	1962	Rungue	Santiago	Santiago	E	21		19	160	95 000	$2,28 \times 10^6$	I		M.O.P.	Solano Vega	Ernesto Boso		11
12		San Rafael	1962	El Cajón	Melipilla	Santiago	E	15,75		10	500	90 000	$1,24 \times 10^6$	I		Private property	E. Infante S.Della Maggiora	Infante, Antúnez		12
13		Ataguía Rapel	1963	Rapel	Melipilla	Santiago	CR	42		28	120	7 700	7×10^6	F		ENDESA	Coyne y Bellier	ENDESA	Cofferdam for Rapel Dam construct.	13
14		Sapos	1963	Chapas Verdes	Rancagua	O'Higgins	E	15		12	330	134 000	$1,5 \times 10^6$	IS		Braden Copper Co.	Braden with Kayser assist.	Ingecil Ltda.		14
15		Madre del Agua	1964	Estero Casas Viejas	La Cruz	Aconcagua	E	15,3		14,3	120		$0,18 \times 10^6$	I		Private property	Emilio Donoso	Ruiz Tagle y Ugarte	* Reconstructed	15

SPECIAL NOTE: HEIGHT OF DAMS TO BE REGISTERED.

All dams above 15 metres (50 feet) in height, measured from the lowest portion of the general foundation area to the crest, are to be included. Dams between 10 metres (33 feet) and 15 metres (50 feet) can be included if desired, provided they comply with at least one of the following conditions: (a) the length of crest not less than 500 metres (1,600 feet) (b) the capacity of the reservoir formed by the dam not less than 100,000 cubic metres (3.5 million cubic feet or 80 acre-feet) (c) the maximum flood discharge dealt with by the dam not less than 2,000 cubic metres per second (70,000 cusecs) (d) if the dam had specially difficult foundation problems, or (e) is a dam of unusual design. Dams less than 10 metres (33 feet) in height are not to be included in the register.

NOTES FOR GUIDANCE IN FILLING UP FORM.

Information is to be given for all existing dams, as well as those under construction or proposed, which comply with the requirements given in the Special Note above. All particulars entered on the form should be written clearly in Ink, and in Block Capitals or Script lettering for greater legibility.

The dimensions to be furnished in columns (8) to (15) can be given either in metres or feet depending on the system in use in the country.

All existing dams should be registered even if only a few of the columns (2) to (18) can be completed.

(1) Leave blank; this column will be filled in by the Office of the National Committee.

(2) Give the official name of the dam. If another name for the dam is in common use include in brackets to enable cross referencing to be made in the Register. If the name of the reservoir is different from the name of the dam insert in Column (19).

(3) Give the year when the main dam structure was completed and ready for use. If the dam is under construction indicate (U.C.). If the dam is proposed indicate (P). The dams will be recorded in chronological order in the Official Register so that an approximate date for all existing dams should be given if the exact date is not known.

(4) Give the name of the river or stream on which the dam is built.

(5) Give the nearest town or city which can be located on a general map of the country.

(6) Give the State, County, Department or other area defined on a general map, otherwise give geographical position in Country, such as North, East, South, etc.

(7) The type of dam to be shown thus: Earth Fill (E), Rockfill (R), Gravity (G), Buttress (B), Multi-Arch (MA), Multi-Dome (MD), Arch Constant Radius (CR), Arch Constant Angle (CA), Cupola (C). If type not included as above, or if subsequently heightened, indicate X and describe in Remarks Column (19).

Dimensions in Columns (8), (9), (10) and (11).

It will be sufficiently accurate if dimensions in columns (8), (9), (10) and (11) are given to the nearest metre or foot.

(8) Give the height from the lowest portion of the general foundation area of the dam to the "crest". The "crest" is defined as the level of the roadway or walkway on the dam, or alternatively the maximum water level plus the designed freeboard. For a dam with a spillway only, the level of the "crest" to be taken as the maximum flood water level.

(9) Give the additional distance from the lowest portion of the general foundation area of the dam to the bottom of the cut-off, provided that the bottom width of the cut-off is not less than 10 metres (30 feet). Otherwise leave this column blank.

(10) Give the height from the lowest ground level, generally the bed of the river or stream across which the dam has been built, to the "crest". The "crest" is defined in the note on (8).

(11) Give overall length of dam at crest level, including portions occupied by Spillway or Power Station.

(12) Give total volume even if different materials are used. If volume of these separate materials is known, insert in column (19) Concrete (C), Rock Fill (R), Earth Fill (E).

(13) Give total storage capacity, including dead storage, up to the normal top or retention water level (not flood level).

(14) Give purpose for which reservoir is used. Irrigation (I), Hydro-Electric Development (H), Flood Control (F), Navigation (N), Public Water Supply (P), Industrial Water Supply (IS), Recreational Purposes (R), Water Conservation (C), Log Ponds for floating timber (L). If purpose other than foregoing describe in (19).

(15) Give installed capacity at, or near dam. If other capacity installed in stations more remote from dam, include in column (19). If future capacity contemplated indicate by (F).

(16) Give name of Authority who own and are responsible for dam and its operation.

(17) Give name of Authority or Engineering Firm who designed dam.

(18) Give name of Authority or Contractors who carried out construction.

(19) To be used for amplifying information as indicated, or adding any additional remarks which will assist in the preparation of the Official Register.

FORM NO. 4

International Commission on Large Dams
WORLD REGISTER OF DAMS
NATIONAL COMMITTEE OF CHILE
Information on Dams supplied to National Committee by
.....
Including Dams in Existence, under Construction or Proposed
1961

STANDARD FORM OF QUESTIONNAIRE
TO ENABLE THE OFFICIAL REGISTER OF DAMS TO
BE PREPARED BY THE NATIONAL COMMITTEE.

	(1) FILE NO.	(2) NAME OF DAM	(3) YEAR OF COMPLETION	(4) LOCATION RIVER	(5) NEAREST CITY	(6) STATE COUNTY OR EQUIVALENT	(7) TYPE	(8) HEIGHT ABOVE LOWEST FOUNDATION	(9) HEIGHT FOUNDATION TO CUT-OFF	(10) HEIGHT ABOVE GROUND LEVEL	(11) LENGTH OF CREST	(12) VOLUME CONTENT OF DAM	(13) CAPACITY OF RESERVOIR	(14) PURPOSE	(15) INSTALLED POWER CAPACITY	(16) OWNER	(17) ENGINEERING BY	(18) CONSTRUCTION BY	(19) REMARKS	
		-: Delete units which are not being used :-						METRES	METRES	METRES	METRES	CUBIC METRES	CUBIC METRES		KW					
1		Paloma	1966	Grande	Ovalle	Coquimbo	E	76	14	75	910	7 350 000	740x10^6	I	✓	M.O.P.	Ricardo Edwards Direc.de Riego	Figueroa, Alemparte y Delta		1
2																				2
3																				3
4																				4
5		Ancoa	U.C.	Ancoa	Linares	Linares	E	72	14		640	4 735 000	103x10^6	I	✓	M.O.P.	Direc.de Riego	Direc.de Riego		5
6		Coihueco	U.C.	Pullami	Chillán	Ñuble	E	28,50			1 010	1 100 000	29,2x10^6	I	✓	M.O.P.	Direc.de Riego	Direc.de Riego		6
7		Collipulli	U.C.	Malleco	Collipulli	Malleco	E	75			360	1 900 000	260x10^6	I	✓	M.O.P.	Direc.de Riego			7
8		Digua	U.C.	Cato	Parral	Linares	E	89		83	420	3 600 000	220x10^6	I	✓	M.O.P.	Direc.de Riego	Longhi Ltda.		8
9		Rapel	U.C.	Rapel	Melipilla	Santiago	X	111,5		90,50	350	695 000	680x10^6	H	350 000	ENDESA	Coyne y Bellier ENDESA	ENDESA	Arch, variable radius and angle	9
10		Yeso	U.C.	Yeso	Puente Alto	Santiago	E	61		55	350	1 600 000	250x10^6	PI	✓	M.O.P.	Direc.de Riego	Direc.de Riego		10
11																				11
12																				12
13																				13
14																				14
15																				15

SPECIAL NOTE: HEIGHT OF DAMS TO BE REGISTERED.

All dams above 15 metres (50 feet) in height, measured from the lowest portion of the general foundation area to the crest, are to be included. Dams between 10 metres (33 feet) and 15 metres (50 feet) can be included if desired, provided they comply with at least one of the following conditions: (a) the length of crest not less than 500 metres (1,600 feet) (b) the capacity of the reservoir formed by the dam not less than 100,000 cubic metres (3.5 million cubic feet or 80 acre-feet) (c) the maximum flood discharge dealt with by the dam not less than 2,000 cubic metres per second (70,600 cusecs) (d) if the dam had specially difficult foundation problems, or (e) is a dam of unusual design. Dams less than 10 metres (33 feet) in height are not to be included in the register.

NOTES FOR GUIDANCE IN FILLING UP FORM.

Information is to be given for all existing dams, as well as those under construction or proposed, which comply with the requirements given in the Special Note above. All particulars entered on the Form should be written clearly in Ink, and in Block Capitals or Script lettering for greater legibility.

The dimensions to be furnished in columns (8) to (13) can be given either in metres or feet depending on the system in use in the country.

All existing dams should be registered even if only a few of the columns (2) to (18) can be completed.

(1) Leave blank; this column will be filled in by the Office of the National Committee.

(2) Give the official name of the dam. If another name for the dam is in common use include in brackets to ensure cross referencing to be made in the Register. If the name of the reservoir is different from the name of the dam insert in Column (19).

(3) Give the year when the main dam structure was completed and ready for use. If the dam is under construction indicate (U.C.). If the dam is proposed indicate (P). The dams will be recorded in chronological order in the Official Register so that an approximate date for all existing dams should be given if the exact date is not known.

(4) Give the name of the river or stream on which the dam is built.

(5) Give the nearest town or city which can be located on a general map of the country.

(6) Give the State, County, Department or other area defined on a general map, otherwise give geographical position in Country, such as North, East, South, etc.

(7) The type of dam to be shown thus: Earth Fill (E), Rockfill (R), Gravity (G), Buttress (B), Multi-Arch (MA), Multi-Dome (MD), Arch Constant Radius (CR), Arch Constant Angle (CA), Cupola (C). If type not included as above, or if subsequently heightened, indicate X and describe in Remarks Column (19).

Dimensions in Columns (8), (9), (10) and (11).

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(8) Give the height from the lowest portion of the general foundation area of the dam to the "crest". The "crest" is defined as the level of the roadway or walkway on the dam, or alternatively the maximum water level plus the designed freeboard. For a dam with a spillway only, the level of the "crest" to be taken as the maximum flood water level.

(9) Give the additional distance from the lowest portion of the general foundation area of the dam to the bottom of the cut-off, provided that the bottom width of the cut-off is not less than 10 metres (30 feet). Otherwise leave this column blank.

(10) Give the height from the lowest ground level, generally the bed of the river or stream across which the dam has been built, to the "crest". The "crest" is defined in the note on (8).

(11) Give overall length of dam at crest level, including portions occupied by Spillway or Power Station.

(12) Give total volume even if different materials are used. If volume of these separate materials is known, insert in column (19) Concrete (C), Rock Fill (R), Earth Fill (E).

(13) Give total storage capacity, including dead storage, up to the normal top or retention water level (not flood level).

(14) Give purpose for which reservoir is used. Irrigation (I), Hydro-Electric Development (H), Flood Control (F), Navigation (N), Public Water Supply (P), Industrial Water Supply (IS), Recreational Purposes (R), Water Conservation (C), Log Ponds for floating timber (L). If purpose other than foregoing describe in (19).

(15) Give installed capacity at, or near dam. If other capacity installed in stations more remote from dam, include in column (19). If future capacity contemplated indicate by (F).

(16) Give name of Authority who own and are responsible for dam and its operation.

(17) Give name of Authority or Engineering Firm who designed dam.

(18) Give name of Authority or Contractors who carried out construction.

(19) To be used for amplifying information as indicated, or adding any additional remarks which will assist in the preparation of the Official Register.

CORPORACION DE FOMENTO DE LA PRODUCCION

CHILE

REPUBLICA DE CHILE
OFICINAS FISCALES

EMBALSES CONSTRUIDOS POR EL ESTADO -

EMBALSE	VOLUMENES	HAS.	TIPO	FECHA CONST.
CARITAYA 19°01 69°20	42.171.000 M³	1.200	Rock-fill	1935 51,51
LAGUNA DEL HUASCO	CHICA 3.000.000 GRANDE 7.500.000 (W)	6.880	Tierra	1911
LAUTARO	37.300.000	9.890	"	1939 1,88
LA LAGUNA	40.164.000	24.000	Tierra	1940
RECOLETA	100.381.000	15.000	"	1934
COGOTI	150.000.000	12.000	Rock-fill	1941
PALOMA	740.000.000	57.000	Tierra	1968
CULIMO	8.583,200	1.000	"	1933
PURISIMA	2.352.000	400	"	1931
PITAMA	2.125.000	300	"	1931
LO OROZCO	5.518.000	800	"	1931
LO OVALLE	13.526.000	1.200	"	1932
PERALES DE TAPIHUE	11.642.000	800	"	1932
RUNGUE	2.400.000	550	"	1961
HUECHUN	30.000.000	3.000	"	1932
EL YESO	250.000.000	120.000	"	1967
CERRILLOS DE LEYDA	2.723.000	400	"	1932
LOLOL	6.386.000	600	"	1938
EL PLANCHON	70.000.000	25.000	"	1949 L.G. 5.5 L.CH 3.0
LAGUNA DEL MAULE	1.420.000.000	200.000	"	1954
BULLILEO	60.000.000	32.000	"	1948
DIGUA	220.000.000	33.800	"	1968
TUTUVEN	16.500.000	2.500	"	1953
TUCAPEL	410.000	80	"	1960
HUELEHUEICO	5.200.000	600	"	1930
ANCOA				
RAPEL				

REPUBLICA DE CHILE
OFICINAS FISCALES

EMBALSES CONSTRUIDOS POR EL ESTADO

EMBALSE	VOLUMENES	HAS.	TIPO	FECHA CONST.
✓ CARITAYA	✓ 42.171.000 M³	1.200	Rock-fill	1935 51-52
✓ LAGUNA DEL HUASCO	(Chica 2.000.000 Grande 9.500.000)	6.880	Tierra	1911
✓ LAUTARO	✓ 37.300.000	9.870	"	1939 1.83
✓ LA LAGUNA	✓ 40.164.000	24.000	Tierra	1940
✓ RECOLETA	✓ 100.381.000	15.000	"	1934
✓ COGOTI	✓ 150.000.000	12.000	Rock-fill	1901
✓ PALOMA	✓ 740.000.000	57.000	Tierra	1968
✓ CULIMO	✓ 8.583,200	1.000	"	1933
PURISIMA	✓ 2.352.000	400	"	1931
PITAMA	✓ 2.125.000	300	"	1931
D OROZCO	✓ 5.518.000	800	"	1931
LO OVALLE	✓ 13.526.000	1.200	"	1932
PERALES DE TALAGANTE	✓ 11.642.000	800	"	1932
RUNGUE	✓ 2.400.000	550	"	1961
✓ HUECHUN	✓ 30.000.000	3.000	"	1932
✓ EL YESO	✓ 250.000.000	120.000	"	1967
CERRILLOS DE LEYDA	✓ 2.723.000	400	"	1932
✓ LOLOL	✓ 6.356.000	600	"	1938
EL PLANCHON	70.000.000	25.000	"	1949 46. 0.5 Con 3.0
✓ LAGUNA DEL MAULE	✓ 1420.000.000	200.000	"	1954
✓ BULLILEO	✓ 60.000.000	32.000	"	1948
✓ TUTUVEN	✓ 16.500.000	2.500	"	1953
TUCAPEL	✓ 410.000	80	"	1960
✓ HUELEHUEICO	✓ 5.200.000	600	"	1930
✓ ANCOA	✓			
RAPEL				

CORPORACION DE FOMENTO DE LA PRODUCCION

CHILE

GRANDES EMBALSES DE CHILE - 1966

International Commission on Large Dams

"WORLD REGISTER OF DAMS"

NATIONAL COMMITTEE OF ..CHILE.....

Information on Dams supplied to National Committee by

.....

Including Dams in Existence, under Construction or Proposed 1961

STANDARD FORM OF QUESTIONNAIRE TO ENABLE THE OFFICIAL REGISTER OF DAMS TO BE PREPARED BY THE NATIONAL COMMITTEE.

	(1) FILE NO.	(2) NAME OF DAM	(3) YEAR OF COMPLETION	(4) LOCATION RIVER	(5) NEAREST CITY	(6) STATE COUNTY OR EQUIVALENT	(7) TYPE	(8) HEIGHT ABOVE LOWEST FOUNDATION	(9) HEIGHT FOUNDATION TO CUT-OFF	(10) HEIGHT ABOVE GROUND LEVEL	(11) LENGTH OF CREST	(12) VOLUME CONTENT OF DAM	(13) CAPACITY OF RESERVOIR	(14) PURPOSE	(15) INSTALLED POWER CAPACITY	(16) OWNER	(17) ENGINEERING BY	(18) CONSTRUCTION BY	(19) REMARKS	
			-: Delete units which are not being used :-					METRES	METRES	METRES	METRES	CUBIC METRES	CUBIC METRES		KW					
1		Catapilco	1853	Catapilco	Catapilco	Valparaíso	E	14			500	195 000		I		Private property	S. Campbell			1
2		San Alfonso	1892	Casas Viejas	Catapilco	Valparaíso	E	22			250	30 500	2×10^6	I		Private property				2
3		Peñuelas	1900	Las Tablas	Valparaíso	Valparaíso	E	22		19	480		95×10^6	P	✓	M.O.P. (x)	Lyon y Rengifo	Juan M. Murphy Marquandy	(x) Ministry of Public Works	3
4		Sloman	1911	Loa	Quillagua	Antofagasta	G	40			47		1×10^6	H	1 245	Private property	H.B.Sloman y Cia.	H.B.Sloman y Cia.		4
5		Lliu-Lliu	1912	Lliu-Lliu	Limache	Valparaíso	E	20			475	220 000	$2,8 \times 10^6$	I		Private property	Carlos Wargny			5
6		La Vinilla	1912	Zapata	Casa Blanca	Valparaíso	E	15			1 120		10×10^6	I	✓	Private property				6
7		Llolleo	1915	El Sauce	San Antonio	Santiago	E	15			68	22 000	$0,92 \times 10^6$	I		Private property				7
8		La Marquesa de Los Quillayes	1920	Los Quillayes	San Antonio	Santiago	E	21			190	128 000		I		Private property				8
9		Las Palmas de Quilpué	1924	Las Palmas	Quilpué	Valparaíso	E	15,50			268		$2,1 \times 10^6$	I		Private property	C.K. Frampé	C.K. Frampé		9
10		La Dehesa	1924	Las Hualtatas	Santiago	Santiago	E	21			365		$3,8 \times 10^6$	I	✓	Private property	Ernesto Boso	Ernesto Boso	Reinforced concrete core	10
11		Alcones	1926	El Peral	Pichilemu	Colchagua	E	28			300	111 000	14×10^6	I	✓	Private property	Urbano Mena			11
12		Carrizal	1926	El Carrizal	Pichilemu	Colchagua	E	15			300		$4,5 \times 10^6$	I	✓	Private property	Urbano Mena			12
13		Huelehueico	1930	Los Coipos	Angol	Malleco	E	16			95	35 000	$5,4 \times 10^6$	I	✓	M.O.P. and irrigators	Ernesto Ríos Talavera	Ernesto Ríos Talavera		13
14		Orozco	1931	La Playa	Casa Blanca	Valparaíso	E	15,50			614	380 000	$5,5 \times 10^6$	I	✓	M.O.P and irrigators	Dirección de Riego (x)	Boso , Casali y Cia.	(x) Government Agency	14
15		Pitama	1931	Pitama	Casa Blanca	Valparaíso	E	16,5			375	254 000	$2,1 \times 10^6$	I		Private property	Dirección de Riego	Boso, Casali y Cia.		15

SPECIAL NOTE: HEIGHT OF DAMS TO BE REGISTERED.

All dams above 15 metres (50 feet) in height, measured from the lowest portion of the general foundation area to the crest, are to be included. Dams between 10 metres (33 feet) and 15 metres (50 feet) can be included if desired, provided they comply with at least one of the following conditions: (a) the length of crest not less than 500 metres (1,500 feet) (b) the capacity of the reservoir formed by the dam not less than 100,000 cubic metres (3.5 million cubic feet or 80 acre-feet) (c) the maximum flood discharge dealt with by the dam not less than 2,000 cubic metres per second (70,000 cusecs) (d) if the dam had specially difficult foundation problems, or (e) is a dam of unusual design. Dams less than 10 metres (33 feet) in height are not to be included in the register.

NOTES FOR GUIDANCE IN FILLING UP FORM.

Information is to be given for all existing dams, as well as those under construction or proposed, which comply with the requirements given in the Special Note above. All particulars entered on the Form should be written clearly in Ink, and in Block Capitals or Script lettering for greater legibility.

The dimensions to be furnished in columns (8) to (15) can be given either in metres or feet depending on the system in use in the country.

All existing dams should be registered even if only a few of the columns (2) to (19) can be completed.

(1) Leave blank; this column will be filled in by the Office of the National Committee.

(2) Give the official name of the dam. If another name for the dam is in common use include in brackets to enable cross referencing to be made in the Register. If the name of the reservoir is different from the name of the dam insert in Column (13).

(3) Give the year when the main dam structure was completed and ready for use. If the dam is under construction indicate (U.C.). If the dam is proposed indicate (P). The dams will be recorded in chronological order in the Official Register so that an approximate date for all existing dams should be given if the exact date is not known.

(4) Give the name of the river or stream on which the dam is built.

(5) Give the nearest town or city which can be located on a general map of the country.

(6) Give the State, County, Department or other area defined on a general map, otherwise give geographical position in country, such as North, East, South, etc.

(7) The type of dam to be shown thus: Earth Fill (E), Rockfill (R), Gravity (G), Buttress (B), Multi-Arch (MA), Multi-Dome (MD), Arch Constant Radius (CR), Arch Constant Angle (CA), Cupola (C). If type not included as above, or if subsequently heightened, indicate X and describe in Remarks Column (19).

Dimensions in Columns (8), (9), (10) and (11).

It will be sufficiently accurate if dimensions in columns (8), (9), (10) and (11) are given to the nearest metre or foot.

(8) Give the height from the lowest portion of the general foundation area of the dam to the "crest". The "crest" is defined as the level of the roadway or walkway on the dam, or alternatively the maximum water level plus the designed freeboard. For a dam with a spillway only, the level of the "crest" to be taken as the maximum flood water level.

(9) Give the additional distance from the lowest portion of the general foundation area of the dam to the bottom of the cut-off, provided that the bottom width of the cut-off is not less than 10 metres (30 feet). Otherwise leave this column blank.

(10) Give the height from the lowest ground level, generally the bed of the river or stream across which the dam has been built, to the "crest". The "crest" is defined in the note on (8).

(11) Give overall length of dam at crest level, including portions occupied by Spillway or Power Station.

(12) Give total volume even if different materials are used. If volume of these separate materials is known, insert in column (19) Concrete (C), Rock Fill (R), Earth Fill (E).

(13) Give total storage capacity, including dead storage, up to the normal top of retention water level (not flood level).

(14) Give purpose for which reservoir is used. Irrigation (I), Hydro-Electric Development (H), Flood Control (F), Navigation (N), Public Water Supply (P), Industrial Water Supply (IS), Recreational Purposes (R), Water Conservation (C), Log Ponds for floating timber (L). If purpose other than foregoing describe in (19).

(15) Give installed capacity at, or near dam. If other capacity installed in stations more remote from dam, include in column (19). If future capacity contemplated indicate by (F).

(16) Give name of Authority who own and are responsible for dam and its operation.

(17) Give name of Authority or Engineering Firm who designed dam.

(18) Give name of Authority or Contractors who carried out construction.

(19) To be used for amplifying information as indicated, or adding any additional remarks which will assist in the preparation of the Official Register.

FORM NO. 2

International Commission on Large Dams
WORLD REGISTER OF DAMS
NATIONAL COMMITTEE OF ...CHILE.....
Information on Dams supplied to National Committee by
.....
including Dams in Existence, under Construction or Proposed
1961

STANDARD FORM OF QUESTIONNAIRE
TO ENABLE THE OFFICIAL REGISTER OF DAMS TO
BE PREPARED BY THE NATIONAL COMMITTEE.

	(1) FILE NO.	(2) NAME OF DAM	(3) YEAR OF COMPLETION	(4) LOCATION RIVER	(5) NEAREST CITY	(6) STATE COUNTY OR EQUIVALENT	(7) TYPE	(8) HEIGHT ABOVE LOWEST FOUNDATION	(9) HEIGHT FOUNDATION TO CUT-OFF	(10) HEIGHT ABOVE GROUND LEVEL	(11) LENGTH OF CREST	(12) VOLUME CONTENT OF DAM	(13) CAPACITY OF RESERVOIR	(14) PURPOSE	(15) INSTALLED POWER CAPACITY	(16) OWNER	(17) ENGINEERING BY	(18) CONSTRUCTION BY	(19) REMARKS	
		-: Delete units which are not being used :-						METRES	METRES	METRES	METRES	CUBIC METRES	CUBIC METRES		KW					
1		Purísima	1931	El Membrillo	Casa Blanca	Valparaíso	E	19,5			153	105 000	$2,4x10^6$	I		M.O.P. and irrigators	Augusto Larraín G.-M.O.P.	Augusto Larraín G.		1
2		Cerrillos	1932	Leyda	Melipilla	Santiago	E	18,5			87	50 000	$3,4x10^6$	I	✓	M.O.P. and irrigators	Urbano Mena	Urbano Mena		2
3		Huechún	1932	Chacabuco	Santiago	Santiago	E	20,0	10	15,4	1 300		$30x\ 10^6$	I	✓	Private property	Urbano Mena	Ernesto Boso		3
4		Lo Ovalle	1932	Lo Ovalle	Casa Blanca	Valparaíso	E	13,0			1 520	1 150 000	$13,5x10^6$	I	✓	M.O.P. and irrigators	Dirección de Riego	Boso, Casali y Cía.		4
5		Los Perales de Tapihue	1932	Tapihue	Casa Blanca	Valparaíso	E	14,5			1 575	870 000	$11,6x10^6$	I	✓	M.O.P. and irrigators	Dirección de Riego	Boso, Casali y Cía.		5
6		Culimo	1933	Quilimarí	Los Vilos	Coquimbo	E	36,0			220		10×10^6	I	✓	Private property	Dirección de Riego	Carlos Barroilhet		6
7		Recoleta	1934	Hurtado	Ovalle	Coquimbo	E	46,5	13,5		816	1 450 000	100×10^6	I	✓	M.O.P. and irrigators	Dirección de Riego	Ernesto Boso		7
8		Caritaya	1935	Caritaya	Pisagua	Tarapacá	R	38,5			156	1 120 000	42×10^6	I	✓	M.O.P. and irrigators	Dirección de Riego	Cía.Gral. de Construc.-Direc.de Riego.		8
9		La Laguna	1937	La Laguna	Vicuña	Coquimbo	E	41,0			230	580 000	40×10^6	I	✓	M.O.P. and irrigators	Dirección de Riego	ULEN y Cía.		9
10		Lolol	1938	Fortaleza	Santa Cruz	Colchagua	E	29,5			200		$6,4x\ 10^6$	I	✓	Private property	Dirección de Riego	Dirección de Riego		10
11		Cogotí	1939	Huatulame	Combarbalá	Coquimbo	R	82,7			160	774 500	$150x10^6$	I	✓	M.O.P. and irrigators	Dirección de Riego	Ernesto Boso	Upstream reinf. concrete facing	11
12		Lautaro	1939	Copiapó	Copiapó	Atacama	E	30,0			812	1 120 000	37×10^6	I	✓	M.O.P. and irrigators	Dirección de Riego	Siem y Goñi		12
13		La Marquesa	1940	La Marquesa	Melipilla	Santiago	E	23,0			450	370 000	6×10^6	I	✓	Private property				13
14		El Sauce	1946	Quebr. El Sauce	Curicó	Curicó	E	21		195	185	65 200	$0,6x\ 10^6$	I		Private property	Dávila, Infante, Izquierdo	V. Vial L.		14
15		Sauzal	1948	Sauzal	Rancagua	O'Higgins	E	32		22	500	568 000	$2,3x10^6$	H	76 800	ENDESA (1)	ENDESA	ENDESA	(1)Empresa Nacional de Electricidad S.A.	15

SPECIAL NOTE: HEIGHT OF DAMS TO BE REGISTERED.

All dams above 15 metres (50 feet) in height, measured from the lowest portion of the general foundation area to the crest, are to be included. Dams between 10 metres (33 feet) and 15 metres (50 feet) can be included if desired, provided they comply with at least one of the following conditions: (a) the length of crest not less than 500 metres (1,600 feet) (b) the capacity of the reservoir formed by the dam not less than 100,000 cubic metres (3.5 million cubic feet or 80 acre-feet) (c) the maximum flood discharge dealt with by the dam not less than 9,000 cubic metres per second (70,000 cusecs) (d) if the dam had specially difficult foundation problems, or (e) is a dam of unusual design. Dams less than 10 metres (33 feet) in height are not to be included in the register.

NOTES FOR GUIDANCE IN FILLING UP FORM.

Information is to be given for all existing dams, as well as those under construction or proposed, which comply with the requirements given in the Special Note above. All particulars entered on the Form should be written clearly in Ink, and in Block Capitals or Script lettering for greater legibility.

The dimensions to be furnished in columns (8) to (15) can be given either in metres or feet depending on the system in use in the country.

All existing dams should be registered even if only a few of the columns (2) to (18) can be completed.

(1) Leave blank; this column will be filled in by the Office of the National Committee.

(2) Give the official name of the dam. If another name for the dam is in common use include in brackets to enable cross referencing to be made in the Register. If the name of the reservoir is different from the name of the dam insert in Column (19).

(3) Give the year when the main dam structure was completed and ready for use. If the dam is under construction indicate (U.C.). If the dam is proposed indicate (P). The dams will be recorded in chronological order in the Official Register so that an approximate date for all existing dams should be given if the exact date is not known.

(4) Give the name of the river or stream on which the dam is built.

(5) Give the nearest town or city which can be located on a general map of the country.

(6) Give the State, County, Department or other area defined on a general map, otherwise give geographical position in country, such as North, East, South, etc.

(7) The type of dam to be shown thus: Earth Fill (E), Rockfill (R), Gravity (G), Buttress (B), Multi-Arch (MA), Multi-Dome (MD), Arch Constant Radius (CR), Arch Constant Angle (CA), Cupola (C). If type not included as above, or if subsequently heightened, indicate X and describe in Remarks Column (19).

Dimensions in Columns (8), (9), (10) and (11).

It will be sufficiently accurate if dimensions in columns (8), (9), (10) and (11) are given to the nearest metre or foot.

(8) Give the height from the lowest portion of the general foundation area of the dam to the "crest". The "crest" is defined as the level of the roadway or walkway on the dam, or alternatively the maximum water level plus the designed freeboard. For a dam with a spillway only, the level of the "crest" to be taken as the maximum flood water level.

(9) Give the additional distance from the lowest portion of the general foundation area of the dam to the bottom of the cut-off, provided that the bottom width of the cut-off is not less than 10 metres (30 feet). Otherwise leave this column blank.

(10) Give the height from the lowest ground level, generally the bed of the river or stream across which the dam has been built, to the "crest". The "crest" is defined in the note on (8).

(11) Give overall length of dam at crest level, including portions occupied by Spillway or Power Station.

(12) Give total volume even if different materials are used. If volume of these separate materials is known, insert in column (19) Concrete (C), Rock Fill (R), Earth Fill (E).

(13) Give total storage capacity, including dead storage, up to the normal top or retention water level (not flood level).

(14) Give purpose for which reservoir is used. Irrigation (I), Hydro-Electric Development (H), Flood Control (F), Navigation (N), Public Water Supply (P), Industrial Water Supply (IS), Recreational Purposes (R), Water Conservation (C), Log Ponds for floating timber (L). If purpose other than foregoing describe in (19).

(15) Give installed capacity at, or near dam. If other capacity installed in stations more remote from dam, include in column (19). If future capacity contemplated indicate by (F).

(16) Give name of Authority who own and are responsible for dam and its operation.

(17) Give name of Authority or Engineering Firm who designed dam.

(18) Give name of Authority or Contractors who carried out construction.

(19) To be used for amplifying information as indicated, or adding any additional remarks which will assist in the preparation of the Official Register.

International Commission on Large Dams

WORLD REGISTER OF DAMS

NATIONAL COMMITTEE OF CHILE

Information on Dams supplied to National Committee by .....

Including Dams in Existence, under Construction or Proposed 1961

FORM NO. 3

STANDARD FORM OF QUESTIONNAIRE TO ENABLE THE OFFICIAL REGISTER OF DAMS TO BE PREPARED BY THE NATIONAL COMMITTEE.

	(1) FILE NO.	(2) NAME OF DAM	(3) YEAR OF COMPLETION	(4) LOCATION RIVER	(5) LOCATION NEAREST CITY	(6) LOCATION STATE COUNTY OR EQUIVALENT	(7) TYPE	(8) HEIGHT ABOVE LOWEST FOUNDATION	(9) HEIGHT FOUNDATION TO CUT-OFF	(10) HEIGHT ABOVE GROUND LEVEL	(11) LENGTH OF CREST	(12) VOLUME CONTENT OF DAM	(13) CAPACITY OF RESERVOIR	(14) PURPOSE	(15) INSTALLED POWER CAPACITY	(16) OWNER	(17) ENGINEERING BY	(18) CONSTRUCTION BY	(19) REMARKS	
		← Delete units which are not being used →						METRES	METRES	METRES	METRES	CUBIC METRES	CUBIC METRES		KW					
1		Bullileo	1949	Bullileo	Parral	Linares	E	83	13	70	270	1 400 000	60×10^6	I	✓	Private property	Dirección de Riego	Salinas y Fabres y Direc.de Riego		1
2		Marga-Marga	1949	Marga-Marga.Moscoso	Villa Alemana	Valparaíso	G	20,50	[illegible]	19,50	180	9 500	$1,5 \times 10^6$	P		M.O.P.	César Alfonso			2
3		Til - Til	1950		Til-Til	Santiago	E	19			160	95 000	$2,28 \times 10^6$	I		Private property				3
4		Arroyo Salado	1951	Arroyo Salado	Calama	Antofagasta	G	34,25		28,25	22,25	18 000	$0,21 \times 10^6$	IS		Chile Exploration Co.	Anaconda Engineering Dept.	Chile Exploration Co.		4
5		Tutuvén	1951	Tutuvén	Cauquenes	Maule	E	32		29	151	700 000	16×10^6	I	✓	M.O.P. and irrigators	Dirección de Riego	de la Barra		5
6		Las Piedras	1956	El Carrizo	Quilpué	Valparaíso	E	18,3			176	59 000	$0,3 \times 10^6$	I		Private property	C.Ilona Reyes	Waldo Jara S.		6
7		La Dehesa	1957	Est. El Arrayán	Barnechea	Santiago	E	17,6		17	514	146 800	$1,3 \times 10^6$	I		Private property	G.Silva Claro			7
8		Laguna del Maule	1957	Maule	Talca	Talca	E	40		30	193	560 000	1570×10^6	IH	✓ F	M.O.P. and ENDESA	Dirección de Riego	ENDESA		8
9		Tucapel	1957	Tucapel	Los Angeles	Ñuble	E	15		12	254	44 000	$0,4 \times 10^6$	I		M.O.P. and Irrigators	Dirección de Riego	Dirección de Riego		9
10		Cipreses	1958	Cipreses	Talca	Talca	E	28		22	360	390 000	173×10^6	H	101 400	ENDESA	ENDESA	ENDESA	Founded on lava	10
11		Rungue	1962	Rungue	Santiago	Santiago	E	21		19	160	95 000	$2,28 \times 10^6$	I		M.O.P.	Solano Vega	Ernesto Boso		11
12		San Rafael	1962	El Cajón	Melipilla	Santiago	E	15,75		10	500	90 000	$1,24 \times 10^6$	I		Private property	E. Infante S.Della Maggiora	Infante, Antúnez		12
13		Ataguía Rapel	1963	Rapel	Melipilla	Santiago	CR	42		28	120	7 700	7×10^6	F		ENDESA	Coyne y Bellier	ENDESA	Cofferdam for Rapel Dam construct.	13
14		Sapos	1963	Chapas Verdes	Rancagua	O'Higgins	E	15		12	330	134 000	$1,5 \times 10^6$	IS		Braden Copper Co.	Braden with Kayser assist.	Ingecil Ltda.		14
15		Madre del Agua	1964	Estero Casas Viejas	La Cruz	Aconcagua	E	15,3		14,3	120		$0,18 \times 10^6$	I		Private property	Emilio Donoso	Ruiz Tagle y Ugarte	* Reconstructed	15

SPECIAL NOTE: HEIGHT OF DAMS TO BE REGISTERED.

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NOTES FOR GUIDANCE IN FILLING UP FORM.

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(1) Leave blank; this column will be filled in by the Office of the National Committee.

(2) Give the official name of the dam. If another name for the dam is in common use include in brackets to enable cross referencing to be made in the Register. If the name of the reservoir is different from the name of the dam insert in Column (19).

(3) Give the year when the main dam structure was completed and ready for use. If the dam is under construction indicate (U.C.). If the dam is proposed indicate (P). The dams will be recorded in chronological order in the Official Register so that an approximate date for all existing dams should be given if the exact date is not known.

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(6) Give the State, County, Department or other area defined on a general map, otherwise give geographical position in Country, such as North, East, South, etc.

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FORM NO. 4

International Commission on Large Dams
WORLD REGISTER OF DAMS
NATIONAL COMMITTEE OF CHILE
Information on Dams supplied to National Committee by
.....
Including Dams in Existence, under Construction or Proposed
1961

STANDARD FORM OF QUESTIONNAIRE
TO ENABLE THE OFFICIAL REGISTER OF DAMS TO
BE PREPARED BY THE NATIONAL COMMITTEE.

	(1) FILE NO.	(2) NAME OF DAM	(3) YEAR OF COMPLETION	(4) LOCATION RIVER	(5) NEAREST CITY	(6) STATE COUNTY OR EQUIVALENT	(7) TYPE	(8) HEIGHT ABOVE LOWEST FOUNDATION	(9) HEIGHT FOUNDATION TO CUT-OFF	(10) HEIGHT ABOVE GROUND LEVEL	(11) LENGTH OF CREST	(12) VOLUME CONTENT OF DAM	(13) CAPACITY OF RESERVOIR	(14) PURPOSE	(15) INSTALLED POWER CAPACITY	(16) OWNER	(17) ENGINEERING BY	(18) CONSTRUCTION BY	(19) REMARKS	
		-: Delete units which are not being used :-						METRES	METRES	METRES	METRES	CUBIC METRES	CUBIC METRES		KW					
1		Paloma	1966	Grande	Ovalle	Coquimbo	E	76	14	75	910	7 350 000	740x10^6	I	✓	M.O.P.	Ricardo Edwards Direc.de Riego	Figueroa, Alemparte y Delta		1
2																				2
3																				3
4																				4
5		Ancoa	U.C.	Ancoa	Linares	Linares	E	72	14		640	4 735 000	103x10^6	I	✓	M.O.P.	Direc.de Riego	Direc.de Riego		5
6		Coihueco	U.C.	Pullami	Chillán	Ñuble	E	28,50			1 010	1 100 000	29,2x10^6	I	✓	M.O.P.	Direc.de Riego	Direc.de Riego		6
7		Collipulli	U.C.	Malleco	Collipulli	Malleco	E	75			360	1 900 000	260x10^6	I	✓	M.O.P.	Direc.de Riego			7
8		Digua	U.C.	Cato	Parral	Linares	E	89		83	420	3 600 000	220x10^6	I	✓	M.O.P.	Direc.de Riego	Longhi Ltda.		8
9		Rapel	U.C.	Rapel	Melipilla	Santiago	X	111,5		90,50	350	695 000	680x10^6	H	350 000	ENDESA	Coyne y Bellier ENDESA	ENDESA	Arch, variable radius and angle	9
10		Yeso	U.C.	Yeso	Puente Alto	Santiago	E	61		55	350	1 600 000	250x10^6	PI	✓	M.O.P.	Direc.de Riego	Direc.de Riego		10
11																				11
12																				12
13																				13
14																				14
15																				15

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CORPORACION DE FOMENTO DE LA PRODUCCION

CHILE

HOYAS HIDROGRAFICAS ~ CHILE ~

RIO :	HOYA [KM²]	HOYA CORRESPOND. GASTO MEDIO [KM²]	GASTO MEDIO [M³/SEG.]	PROMEDIO ANUAL PRECIPIT. [MM] MIN - MAX.	RIEGO HECTAREAS	NIVOMETRIA
LAUCA	1.924	610	0,98	1,5 - 340		
LLUTA	2.067	2.724	2,10	57	1.110	
AZAPA		1.121	1,90	230	1.750	
LOA	31.667		3,90	0 - 122	3.280	
COPIAPO	18.407	4.132	1,12	24 - 44	7.300	
HUASCO	6.822	7.894	8,70	43 - 91	15.000	
ELQUI	9.567	2.870	6,20	81 - 140	20.000	
LIMARI	11.760	610	4,00	73 - 220	68.060	*
CHOAPA	8.124	1.248	9,90	190 - 535	12.600	
PETORCA	2.669	2.010	3,30		5.500	
LIGUA	2.066	2.020	2,65		5.700	
ACONCAGUA	7.163	2.240	35,00	172 - 492	65.710	*
MAIPO	14.576	4.925	10,70	340 - 895	220.000	*
RAPEL	14.177	2.250	61,00	490 - 1500	264.500	*
MATAQUITO	5.240	1.452	52,00	690 - 1600	91.800	
MAULE	19.045	450	256,00	683 - 2566	268.000	*
ITATA	11.090	2.085	111,00	900 - 1630	22.000	
BIO-BIO	24.029	7.090	485,00	680 - 2220	145.000	*
IMPERIAL	12.054	1.332	129,00	1020 - 3160	18.000	
TOLTEN	7.886	3.050	334,00	1500 - 3650	2.420	
VALDIVIA	9.902	4.416	450,00	1280 - 4950	1.370	
BUENO	17.210	4.111	365,00	1150 - 3640	1.920	*

ANTECEDENTES ECONOMICOS Y TECNICOS DE EMBALSES NACIONALES - CHILE -

EMBALSE	RIO	TIPO	CAPACIDAD M^3 10^6	VOLUMEN MURO M^3	CORONAMIENTO ANCHO M.	CORONAMIENTO LARGO M.	TALUDES AGUAS ARRIBA	TALUDES AGUAS ABAJO	ALTURA MAXIMA M.	RAZON: AGUA MURO	COSTO INVERSION E° 1964	E° 1000 M^3 CAPACIDAD	E° M^3 MURO	SUPERFICIE REGADA Hás.	OBRA :
CARITAYA	CARITAYA	ROCK-FILL	42		5	156	1,5 : 1	1,5 : 1	34,5		2.408.000	57,3		1.200	EN EXPLOTACION
LAUTARO	COPIAPO	TIERRA	37	1.120.000	10	812	3,0 : 1	2,0 : 1	30	33 : 1	6.951.000	187,9	6,2	2.472	" "
LA LAGUNA	ELQUI	TIERRA	40	580.000	10	230	3,0 : 1	2,5 : 1	41	69 : 1	5.287.000	132,2	9,1	5.250	" "
RECOLETA	HURTADO	TIERRA	100	1.450.000	10	815,5	3,0 : 1	2,0 : 1	46,5	69 : 1	13.000.000	130,0	9,0	12.450	" "
COGOTI	COGOTI	ROCK-FILL	150	774.500	8	160	1,25 : 1	1,5 : 1	82,7	194 : 1	20.950.000	139,7	27,0	12.000	" "
CULIMO	QUILIMARI	TIERRA	10		8	220	2 : 1	2 : 1	36		1.864.000	186,4		850	" "
HUECHUN	ACONCAGUA	TIERRA	30		4	1.300	2,8 : 1	2 : 1	15,4		9.359.000	312,0		4.000	" "
CERRILLOS	CHOAPA	TIERRA	3,4		4	87	3 : 1	2 : 1	18,5		208.000	61,2		400	" "
LOLOL	EST. LA FORTALEZA	TIERRA	6,4		6	200	3 : 1	2,5 : 1	29,5		1.650.000	257,8		600	" "
BULLILEO	BULLILEO	TIERRA	60	1.400.000	8	260	3 : 1	2 : 1	70	43 : 1	16.467.000	274,5	11,8	10.560	" "
CASABLANCA	ESTEROS {CASABLANCA, LOS SAUCES, COPIHUE}	TIERRA	35	600.000						58 : 1	4.993.000	142,7	8,3	3.500	" "
TIL-TIL	EST. RUNGUE	TIERRA	2,28	95.000	7	160	3 : 1	2,5 : 1	19	24 : 1	1.290.000	565,8	13,6	466	" "
LAGUNA MAULE	MAULE	TIERRA	1.430	550.000	10	193	3 : 1	2 : 1	30	2860 : 1	14.000.000	9,8	25,5	107.540	" "
TUTUVEN	TUTUVEN	TIERRA	16		5	151	3 : 1	2,5 : 1	29		4.478.000	279,9		2.500	" "
HUELEHUEICO	EST. CANCURA (MALLECO)	TIERRA	5,2	35.000	4	92	3 : 1	2 : 1	14,5	148 : 1	179.360	34,5	5,1	600	" "
PALOMA	RIOS {GRANDE, GUATULAME}	TIERRA	740	7.350.000	10	1.000	2,5 : 1	2 : 1	80	100 : 1	37.050.000	50,1	5,0		EN CONSTRUCCION
EL YESO	MAIPO	TIERRO	250	2.000.000	6	350	3 : 1	2 : 1	60	125 : 1	14.880.000	59,5	7,4		" "
ANCOA	ANCOA	TIERRA	103,5	4455.000	8	650	3 : 1	2,5 : 1	72	23 : 1	21.590.000	208,6	4,8		" "
DIGUA	CATO	TIERRA	220	3.500.000	8	484	3 : 1	2 : 1	80	63 : 1	15.252.000	69,3	4,4		" "
COLLIPULLI	MALLECO	TIERRA	102	1.019.000	20	360	2,7 : 1	1,7 : 1	45	100 : 1	10.905.000	106,9	10,7		
COIHUECO	CATO	TIERRA	20	770.000	6	1.010	3 : 1	2 : 1	28,5	26 : 1	2.215.000	112,5	2,9		EN ESTUDIO
PUCLARO		TIERRA	190	7.000.000	8	550	3 : 1	2 : 1	75	27 : 1	31.980.000	168,3	4,6		" "
DIGUILLIN	DIGUILLIN	ROCK-FILL	240	4.000.000					98	60 : 1	46.138.000	192,2	11,5		" "
TRUPAN	HUEPIL (ITATA)	TIERRA	0,25	30.740	5	195	3 : 1	2 : 1	18	8 : 1	150.340	601,4	4,8		" "
PUNILLA 1	ÑUBLE	ROCK-FILL	228	2.647.000			1.5 : 1	1.6 : 1	87	86 : 1	29.437.000	129,1	11,1		" "
PUNILLA 2	ÑUBLE	ROCK-FILL	440	5.056.000			1.5 : 1	1.6 : 1	112	88 : 1	48.000.000	109,3	9,5		" "
PUNILLA 3	ÑUBLE	ROCK-FILL	550	6.200.000			1.5 : 1	1.6 : 1	121	89 : 1	60.110.000	109,3	9,7		" "
EL MANZANO		TIERRA	70	2.000.000		1.000			65	35 : 1	7.275.000	103,9	3,6		" "
SANTA JUANA		ROCK-FILL	70						75		10.285.000	146,9			" "
AIQUINA		ROCK-FILL	16	175.000	5		1,5 : 1	1,5 : 1	50	92 : 1	7.400.000	462,5	42,3		" "
CONCHI		ROCK-FILL	16,5	390.000	5		1,5 : 1	1,6 : 1		42 : 1					" "
NILAHUE		TIERRA	300		8	675	3 : 1	2 : 1	43,7		39.902.000	133,0			" "
CORONEL DE MAULE	EST. CORONEL (CAUQUENES)	TIERRA	230						28		12.750.000	55,4			" "
PURAPEL	PURAPEL (MAULE)		1,84			450			50						" "
LAS PEÑAS			53	4.000.000		1.400			36	13 : 1	31.980.000	603,4	8,0		" "
CANELILLO		ROCK-FILL	200	730.000					80	274 : 1	19.096.000	95,5	26,2		" "

ANTECEDENTES ECONOMICOS Y TECNICOS DE EMBALSES NACIONALES - CHILE -

EMBALSE	RIO	TIPO	CAPACIDAD M^3 10^6	VOLUMEN MURO M^3	CORONAMIENTO ANCHO M.	CORONAMIENTO LARGO M.	TALUDES AGUAS ARRIBA	TALUDES AGUAS ABAJO	ALTURA MAXIMA M.	RAZON: AGUA MURO	COSTO INVERSION E° 1964	E° 1000 M^3 CAPACIDAD	E° M^3 MURO	SUPERFICIE REGADA Hás.	OBRA :
CARITAYA	CARITAYA	ROCK-FILL	42		5	156	1,5 : 1	1,5 : 1	34,5		2.408.000	57,3		1.200	EN EXPLOTACION
LAUTARO	COPIAPO	TIERRA	37	1.120.000	10	812	3,0 : 1	2.0 : 1	30	33 : 1	6.951.000	187,9	6,2	2.472	" "
LA LAGUNA	ELQUI	TIERRA	40	580.000	10	230	3,0 : 1	2,5 : 1	41	69 : 1	5.287.000	132,2	9,1	5.250	" "
RECOLETA	HURTADO	TIERRA	100	1.450.000	10	815,5	3,0 : 1	2,0 : 1	46,5	69 : 1	13.000.000	130,0	9,0	12.450	" "
COGOTI	COGOTI	ROCK-FILL	150	774.500	8	160	1,25 : 1	1,5 : 1	82,7	194 : 1	20.950.000	139,7	27,0	12.000	" "
CULIMO	QUILIMARI	TIERRA	10		8	220	2 : 1	2 : 1	36		1.864.000	186,4		850	" "
HUECHUN	ACONCAGUA	TIERRA	30		4	1.300	2,8 : 1	2 : 1	15,4		9.359.000	312,0		4.000	" "
CERRILLOS	CHOAPA	TIERRA	3,4		4	87	3 : 1	2 : 1	18,5		208.000	61,2		400	" "
LOLOL	EST. LA FORTALEZA	TIERRA	6,4		6	200	3 : 1	2,5 : 1	29,5		1.650.000	257,8		600	" "
BULLILEO	BULLILEO	TIERRA	60	1.400.000	8	260	3 : 1	2 : 1	70	43 : 1	16.467.000	274,5	11,8	10.560	" "
CASABLANCA	ESTEROS {CASABLANCA, LOS SAUCES, COPIHUE}	TIERRA	35	600.000						58 : 1	4.993.000	142,7	8,3	3.500	" "
TIL-TIL	EST. RUNGUE	TIERRA	2,28	95.000	7	160	3 : 1	2,5 : 1	19	24 : 1	1.290.000	565,8	13,6	466	" "
LAGUNA MAULE	MAULE	TIERRA	1.430	550.000	10	193	3 : 1	2 : 1	30	2.860 : 1	14.000.000	9,8	25,5	107.540	" "
TUTUVEN	TUTUVEN	TIERRA	16		5	151	3 : 1	2,5 : 1	29		4.478.000	279,9		2.500	" "
HUELEHUEICO	EST. CANCURA (MALLECO)	TIERRA	5,2	35.000	4	92	3 : 1	2 : 1	14,5	148 : 1	179.360	345	5,1	600	" "
PALOMA	RIOS {GRANDE, GUATULAME}	TIERRA	740	7.350.000	10	1.000	2,5 : 1	2 : 1	80	100 : 1	37.050.000	50,1	5,0		EN CONSTRUCCION
EL YESO	MAIPO	TIERRO	250	2.000.000	6	350	3 : 1	2 : 1	60	125 : 1	14.880.000	59,5	7.4		" "
ANCOA	ANCOA	TIERRA	103,5	4.455.000	8	650	3 : 1	2,5 : 1	72	23 : 1	21.590.000	208,6	4.8		" "
DIGUA	CATO	TIERRA	220	3.500.000	8	484	3 : 1	2 : 1	80	63 : 1	15.252.000	69,3	4.4		" "
COLLIPULLI	MALLECO	TIERRA	102	1.019.000	20	360	2,7 : 1	1,7 : 1	45	100 : 1	10.905.000	106,9	10.7		" "
COIHUECO	CATO	TIERRA	20	770.000	6	1.010	3 : 1	2 : 1	28,5	26 : 1	2.215.000	112,5	2.9		EN ESTUDIO
PUCLARO		TIERRA	190	7.000.000	8	550	3 : 1	2 : 1	75	27 : 1	31.980.000	168,3	4,6		" "
DIGUILLIN	DIGUILLIN	ROCK-FILL	240	4.000.000					98	60 : 1	46.138.000	192,2	11,5		" "
TRUPAN	HUEPIL (ITATA)	TIERRA	0,25	30.740	5	195	3 : 1	2 : 1	18	8 : 1	150.340	601,4	4,8		" "
PUNILLA 1	ÑUBLE	ROCK-FILL	228	2.647.000			1.5 : 1	1.6 : 1	87	86 : 1	29.437.000	129,1	11.1		" "
PUNILLA 2	ÑUBLE	ROCK-FILL	440	5.056.000			1.5 : 1	1.6 : 1	112	88 : 1	48.000.000	109.3	9.5		" "
PUNILLA 3	ÑUBLE	ROCK-FILL	550	6.200.000			1,5 : 1	1.6 : 1	121	89 : 1	60.110.000	109.3	9.7		" "
EL MANZANO		TIERRA	70	2.000.000		1.000			65	35 : 1	7.275.000	103.9	3.6		" "
SANTA JUANA		ROCK-FILL	70						75		10.285.000	146.9			" "
AIQUINA		ROCK-FILL	16	175.000	5		1,5 : 1	1.5 : 1	50	92 : 1	7.400.000	462,5	42,3		" "
CONCHI		ROCK-FILL	16,5	390.000	5		1.5 : 1	1.6 : 1		42 : 1					" "
NILAHUE		TIERRA	300		8	675	3 : 1	2 : 1	43.7		39.902.000	133,0			" "
CORONEL DE MAULE	EST. CORONEL (CAUQUENES)	TIERRA	230						28		12.750.000	55,4			" "
PURAPEL	PURAPEL (MAULE)		1,84			450			50						" "
LAS PEÑAS			53	4.000.000		1.400			36	13 : 1	31.980.000	603.4	8,0		" "
CANELILLO		ROCK-FILL	200	730.000					80	274 : 1	19.096.000	95.5	26,2		" "