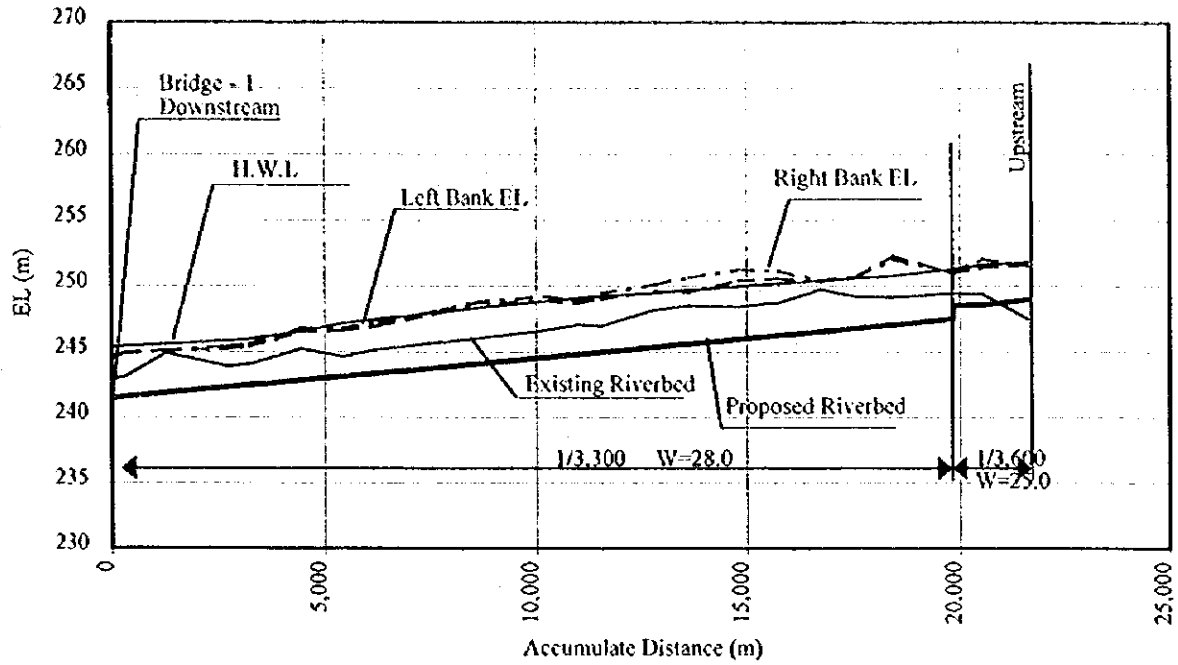


Okinawa Main Drainage



Rancha Chico

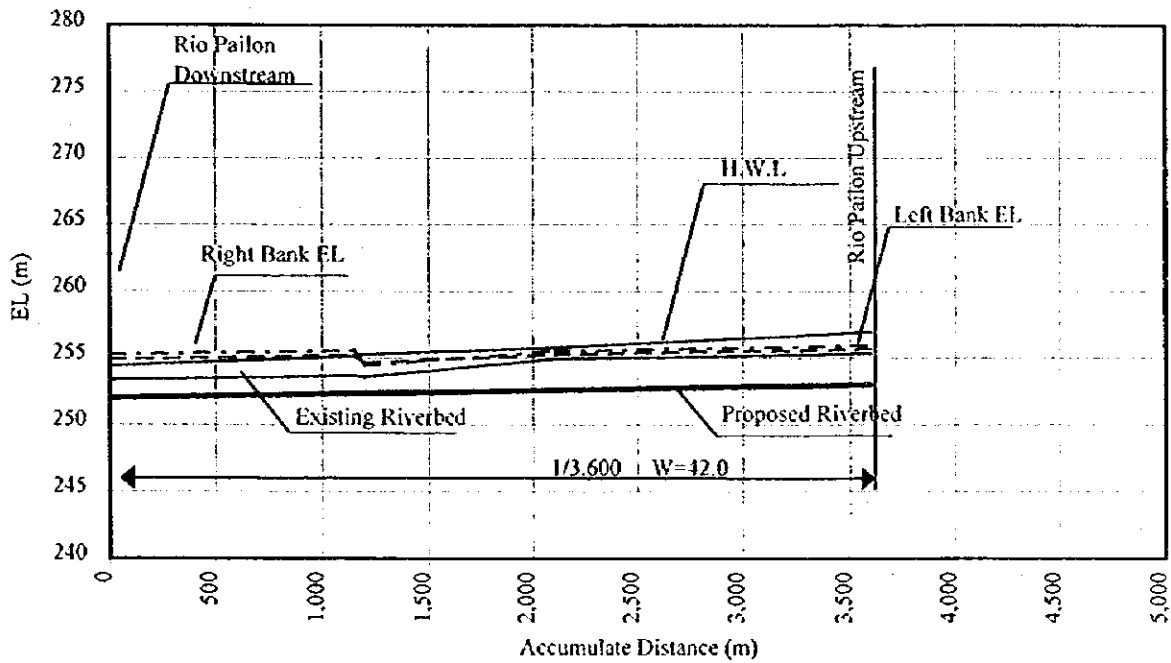
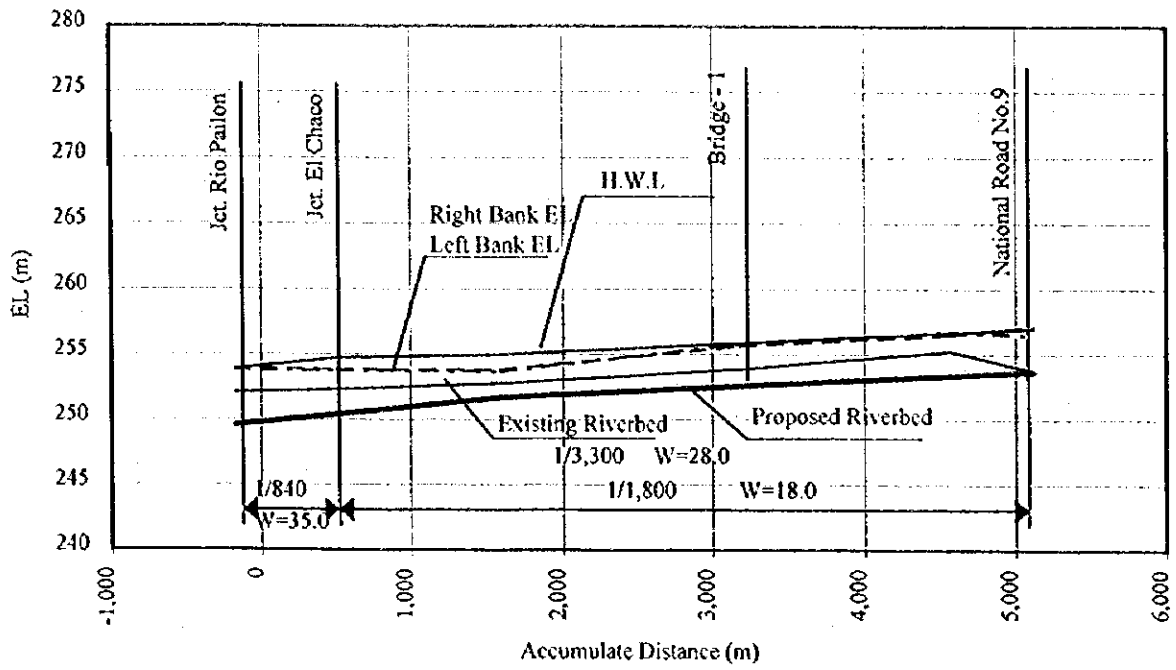


FIG. C.5.1 (1) LONGITUDINAL PROFILE OF DRAINAGE IMPROVEMENT

El Empalme II



El Chaco

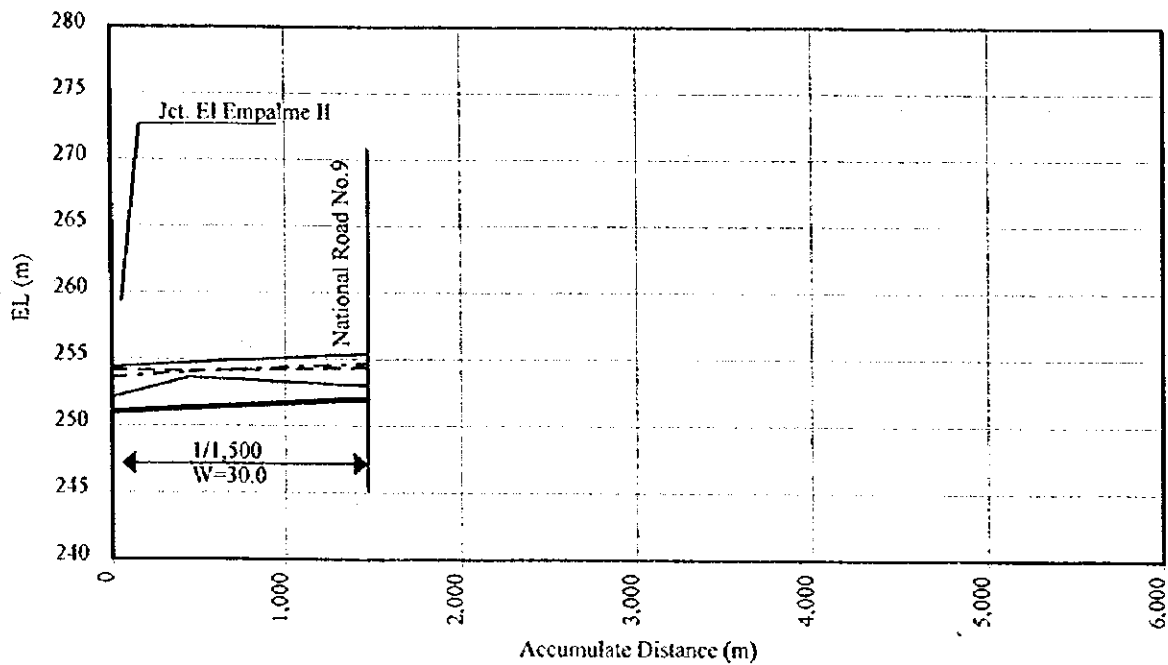
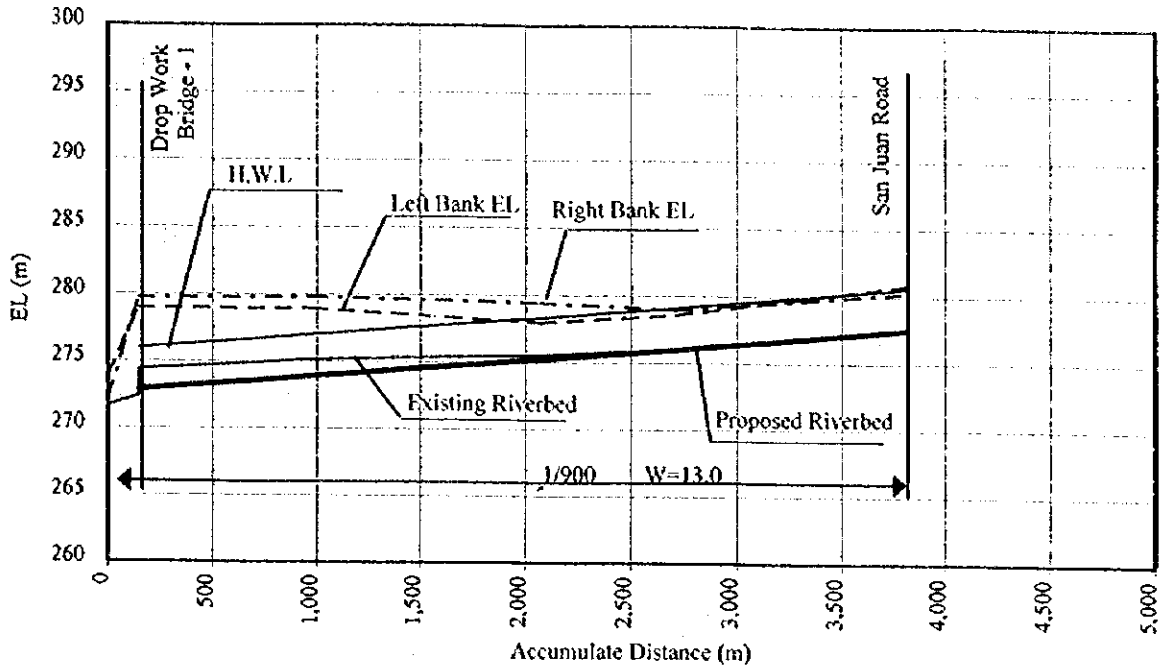


FIG. C.5.1 (2) LONGITUDINAL PROFILE OF DRAINAGE IMPROVEMENT

San Juan Main Drainage km 13



San Juan Main Drainage km 17

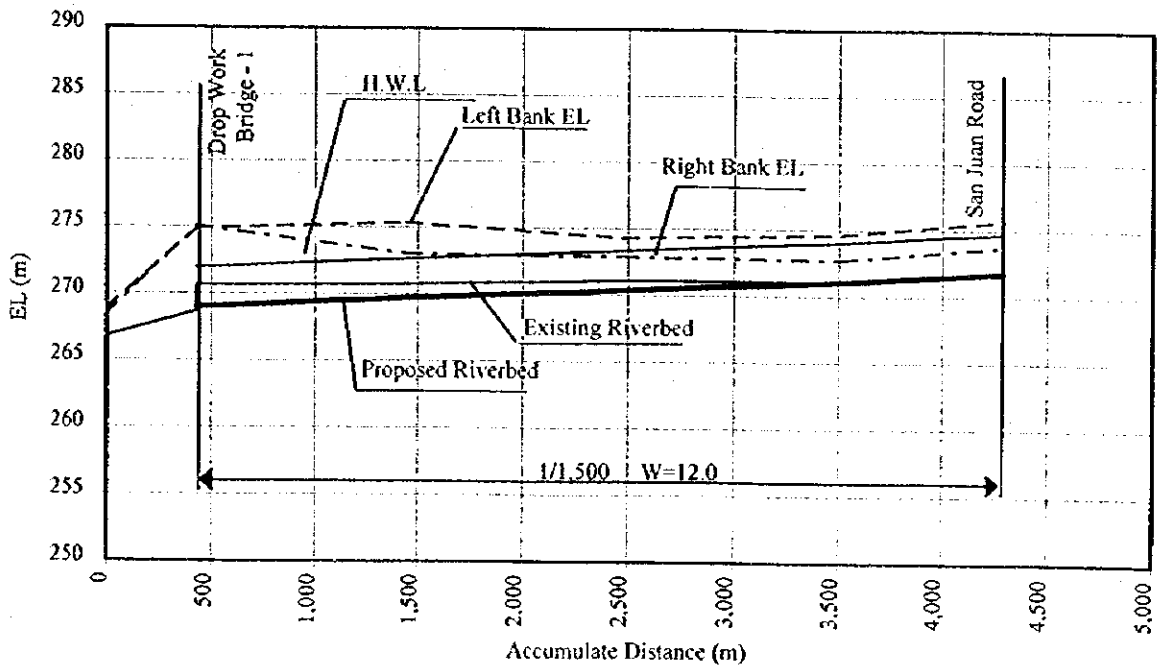
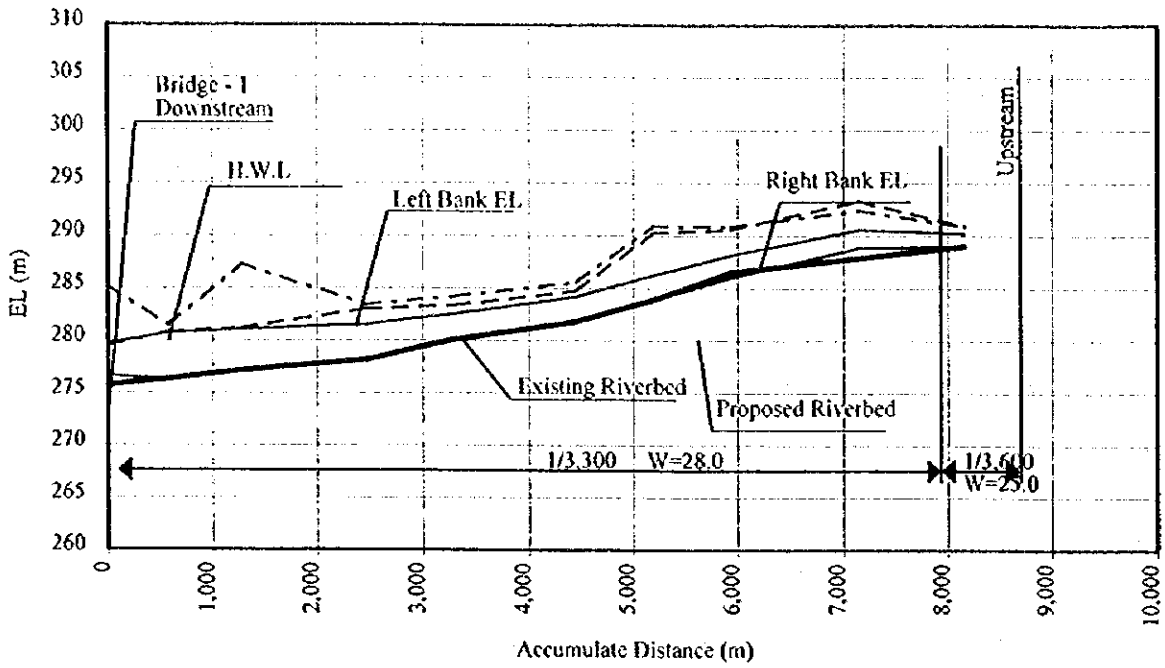


FIG. C.5.1 (3) LONGITUDINAL PROFILE OF DRAINAGE IMPROVEMENT

Arroyo Tejeria



Antofagasta Main Drainage

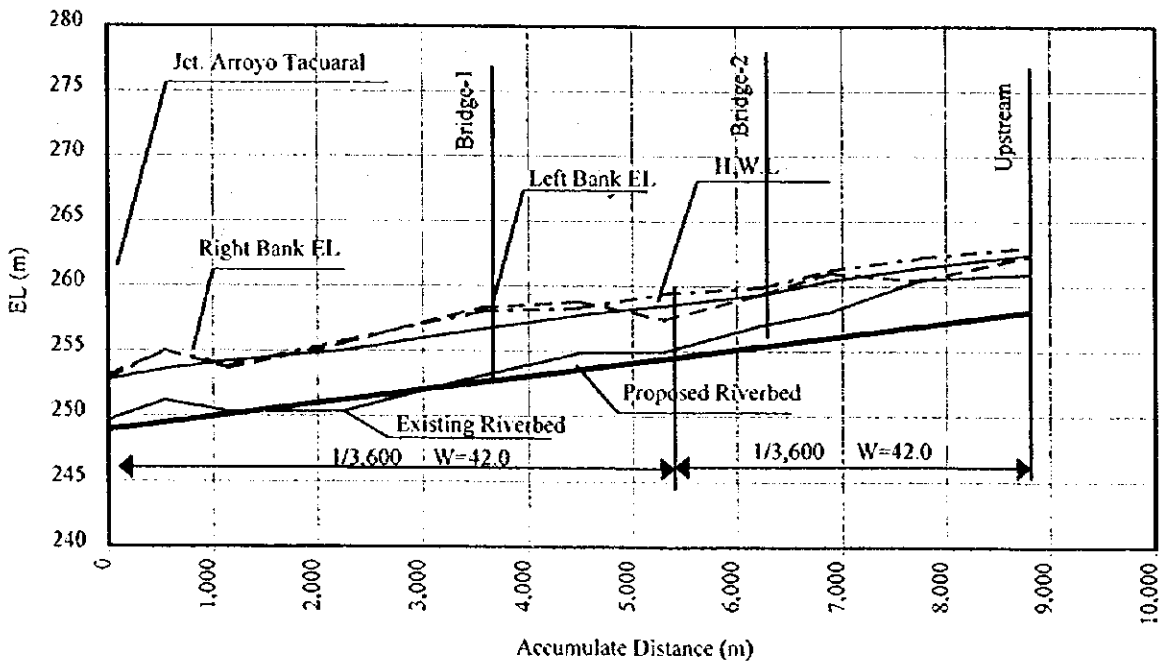
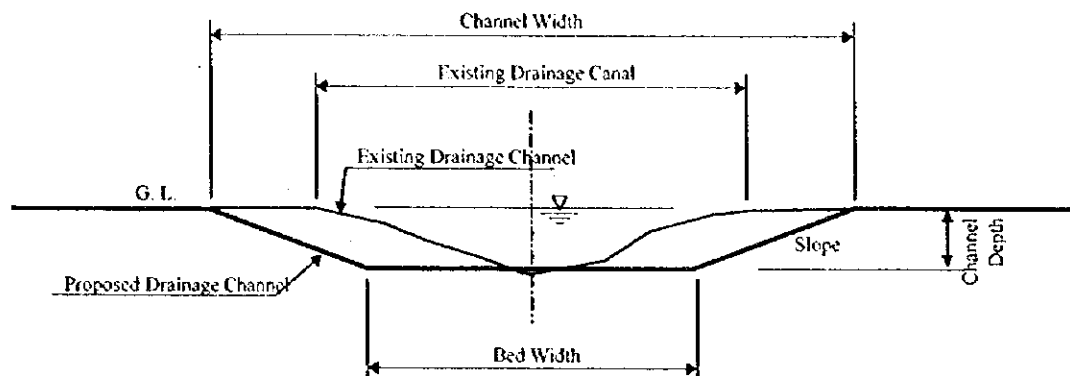
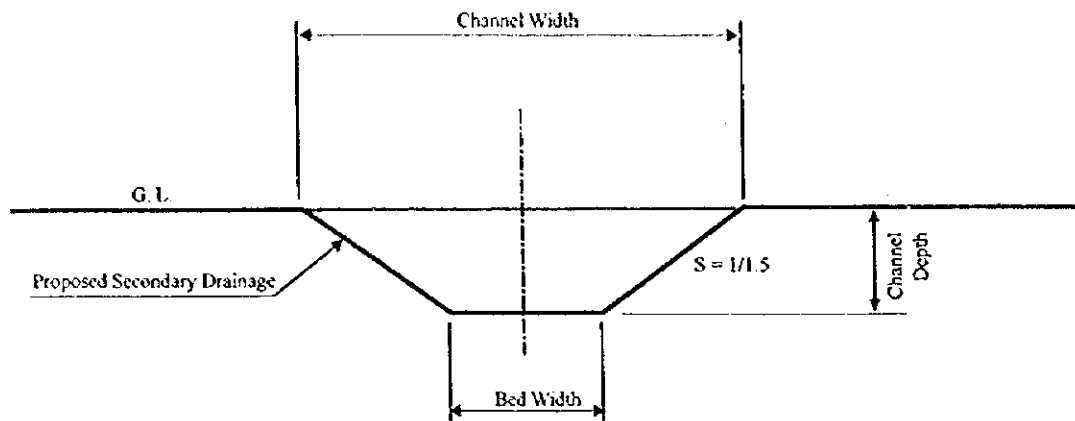


FIG. C.5.1 (4) LONGITUDINAL PROFILE OF DRAINAGE IMPROVEMENT



Drainage Canal	Length (km)	Channel Width (m)	Bed Width (m)	Channel Depth (m)	Slope
1. Chane-Pailon					
(1) Rio Chane					
(2) Rio Pailon					
1) Rancho Chico	3.600				
Jct. Rio Pailon (down) - Jct. Rio Pailon (up)	3.600	42.0	26.0	4.0	1/2.0
2) El Chaco	1.470				
Jct. El Empalme II - National Road No. 9	1.470	30.0	16.0	3.0	1/2.0
3) El Empalme II	5.290				
Jct. Rio Pailon - Jct. El Chaco	0.690	35.0	19.0	4.0	1/2.0
Jct. El Chaco - National Road No. 9	4.610	18.0	6.0	3.0	1/2.0
(3) Okinawa Drainage	21.650				
Downstream - Midstream	19.840	28.0	12.0	4.0	1/2.0
Midstream - Upstream	1.810	25.0	13.0	3.0	1/2.0
2. San Juan-Antofagasta					
(1) San Juan					
1) San Juan Main Drainage	34.950				
km 11	2.410			As is	
km 13	3.660	13.0	4.0	3.0	1/1.5
km 15	8.930			As is	
km 17	3.840	12.0	4.5	2.5	1/1.5
km 24	5.560			As is	
km 28	10.550			As is	
2) Arroyo Tejeria	8.160				
Midstream - Upstream	4.480	22.0	6.0	4.0	1/2.0
Jct. Rio Yapacani - Midstream	3.680	20.0	4.0	4.0	1/2.0
(2) Antofagasta					
Antofagasta Main Drainage	8.800				
Downstream - Midstream	5.310	28.0	12.0	3.0	1/2.0
Midstream - Upstream	3.490	25.0	9.0	3.0	1/2.0

FIG. C.5.2 STANDARD CROSS SECTION OF DRAINAGE IMPROVEMENT



Project Item	Total Length (km)	Channel Width (m)	Bed Width (m)	Channel Depth (m)	Slope
1. Chane - Pailon Area					
1.1 Rio Pailon Basin	18.500	12.0	3.0	3.0	1/1.5
1.2 Okinawa Drainage Basin	35.500	12.0	3.0	3.0	1/1.5
2. San Juan - Antofagasta Area					
2.1 San Juan Area	35.000	14.0	5.0	3.0	1/1.5
2.2 Antofagasta Area	26.500	14.0	5.0	3.0	1/1.5

FIG. C.5.3 STANDARD CROSS SECTION OF SECONDARY DRAINAGE

LEGEND

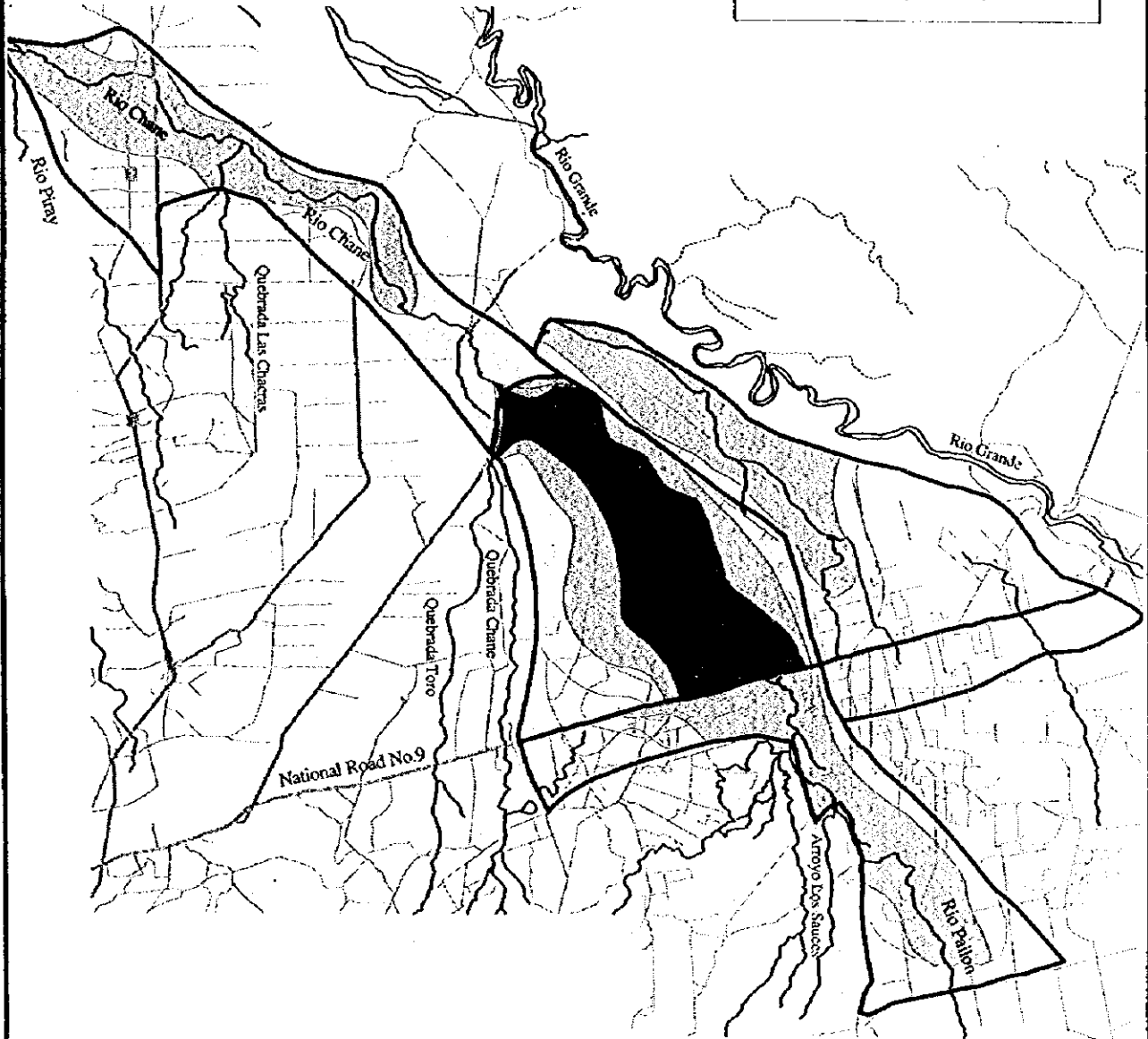
Inundation Depth : h

□ 0.0 m < h ≤ 0.3 m

▨ 0.3 m < h ≤ 1.0 m

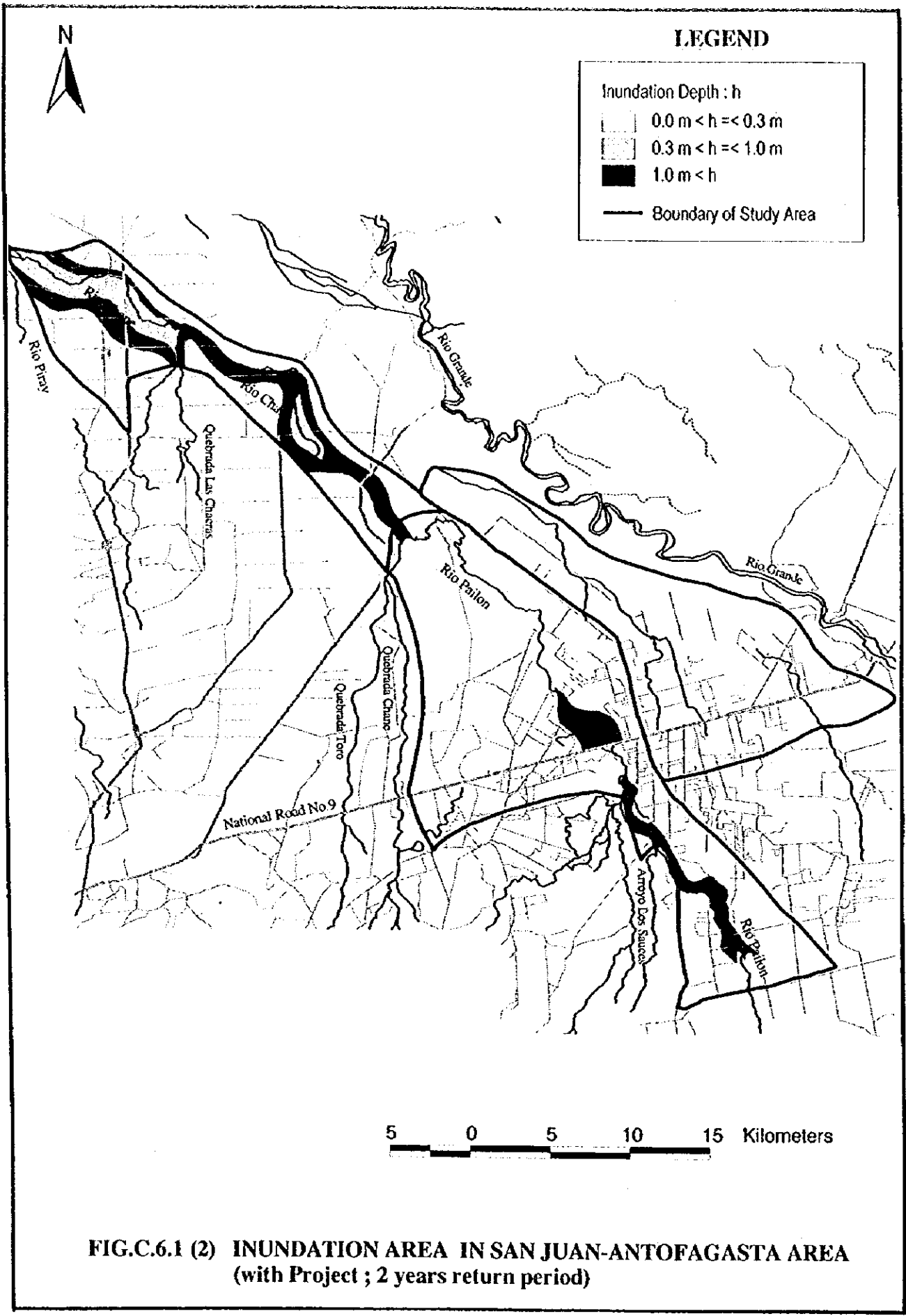
■ 1.0 m < h

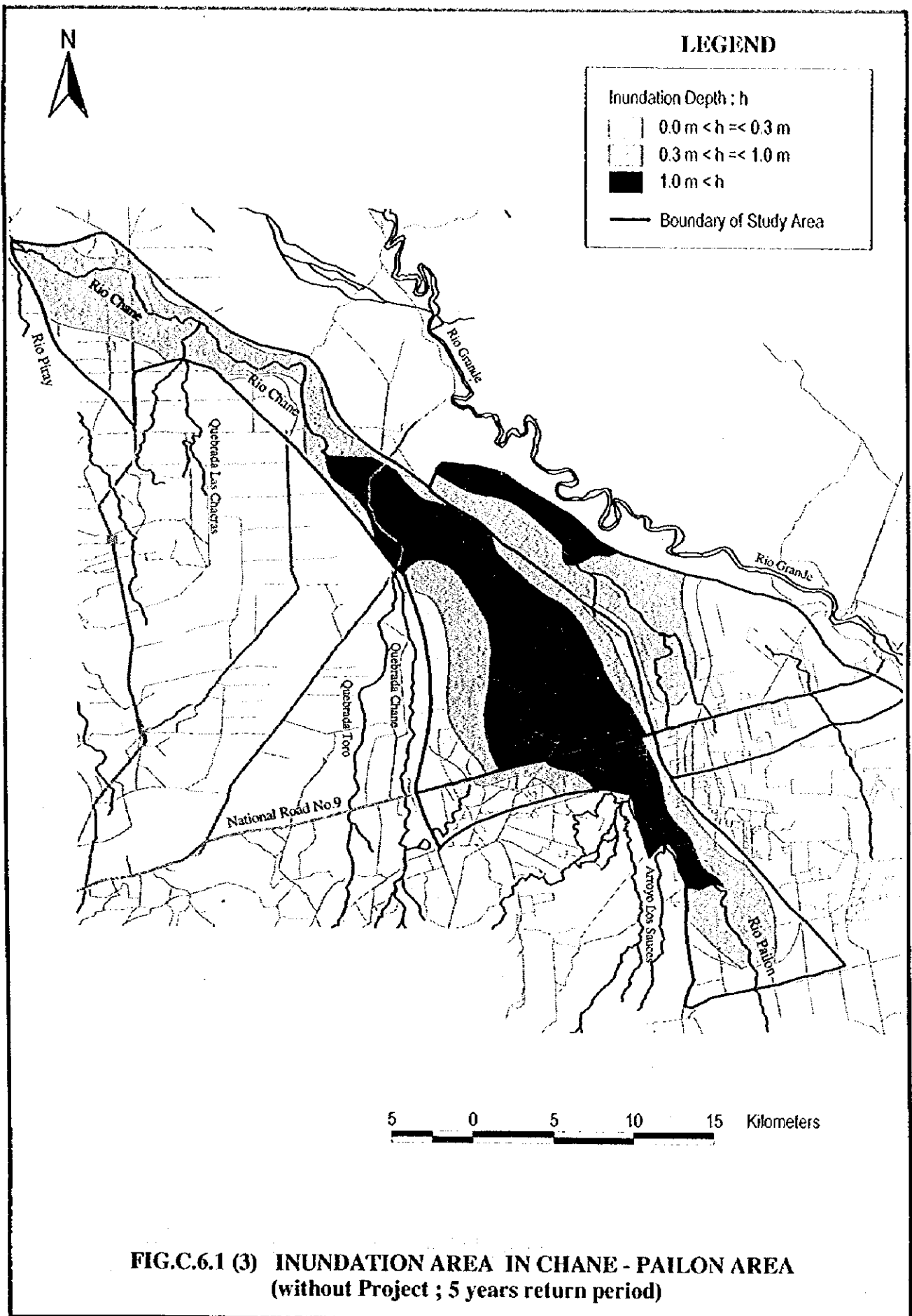
— Boundary of Study Area

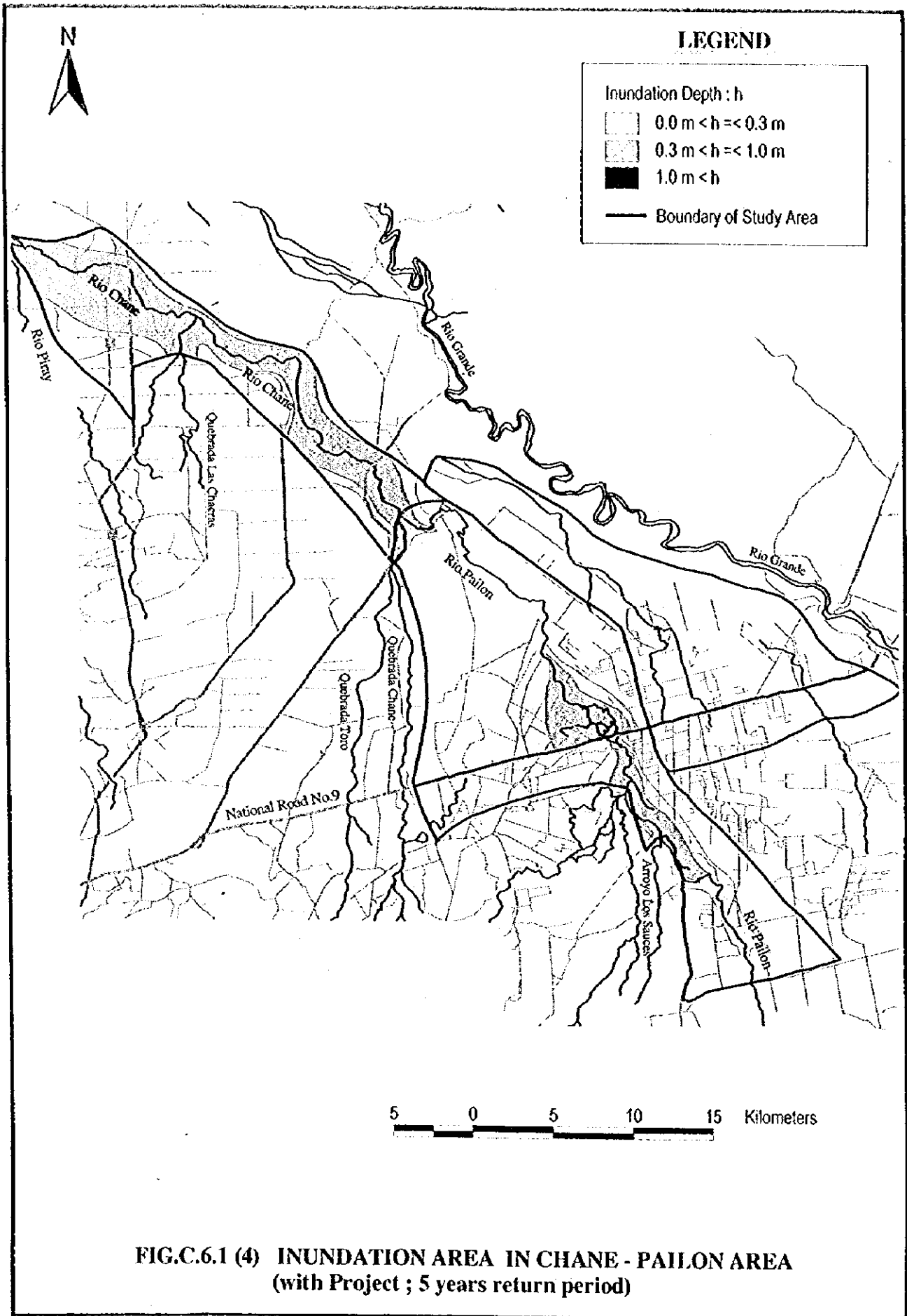


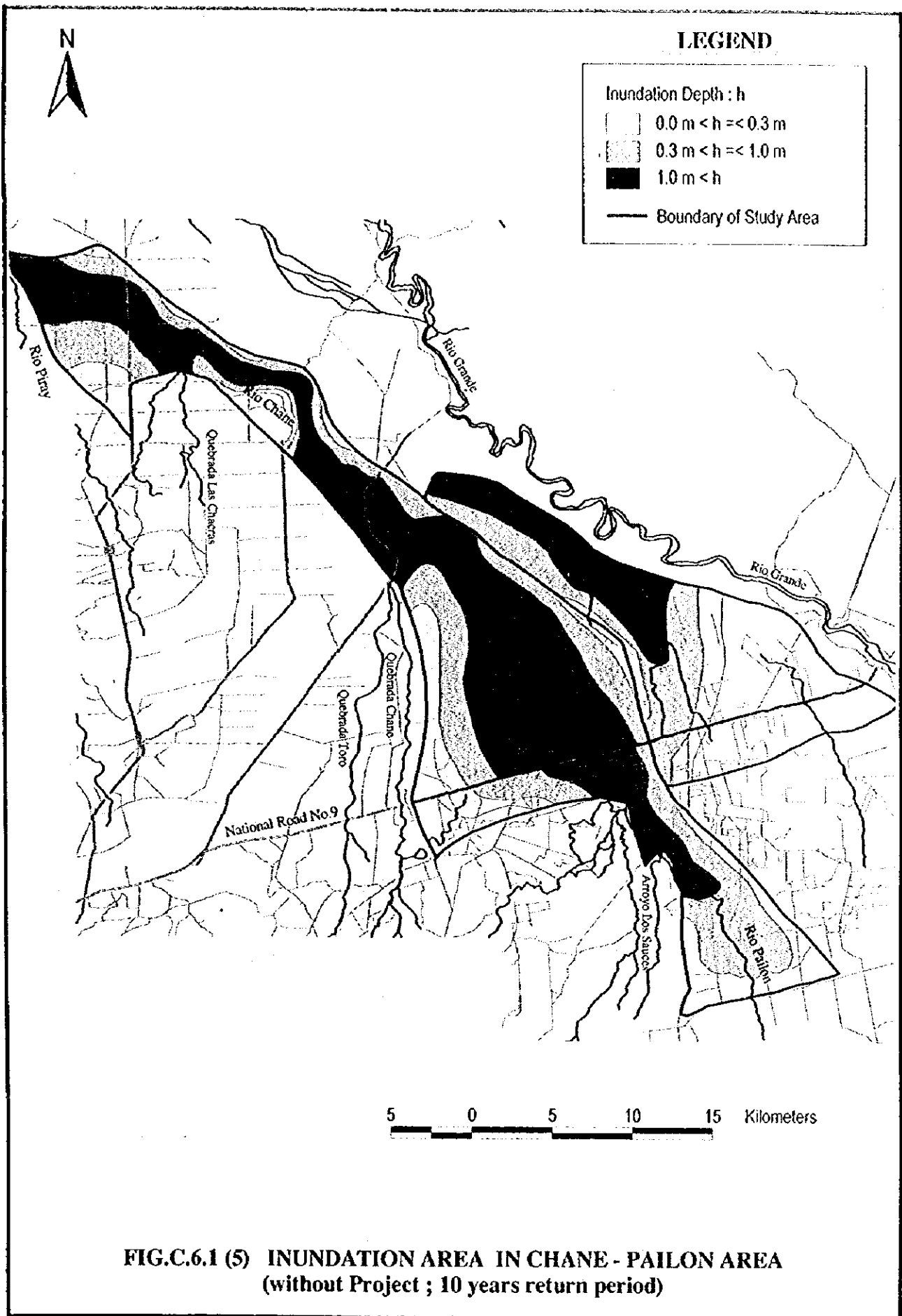
5 0 5 10 15 Kilometers

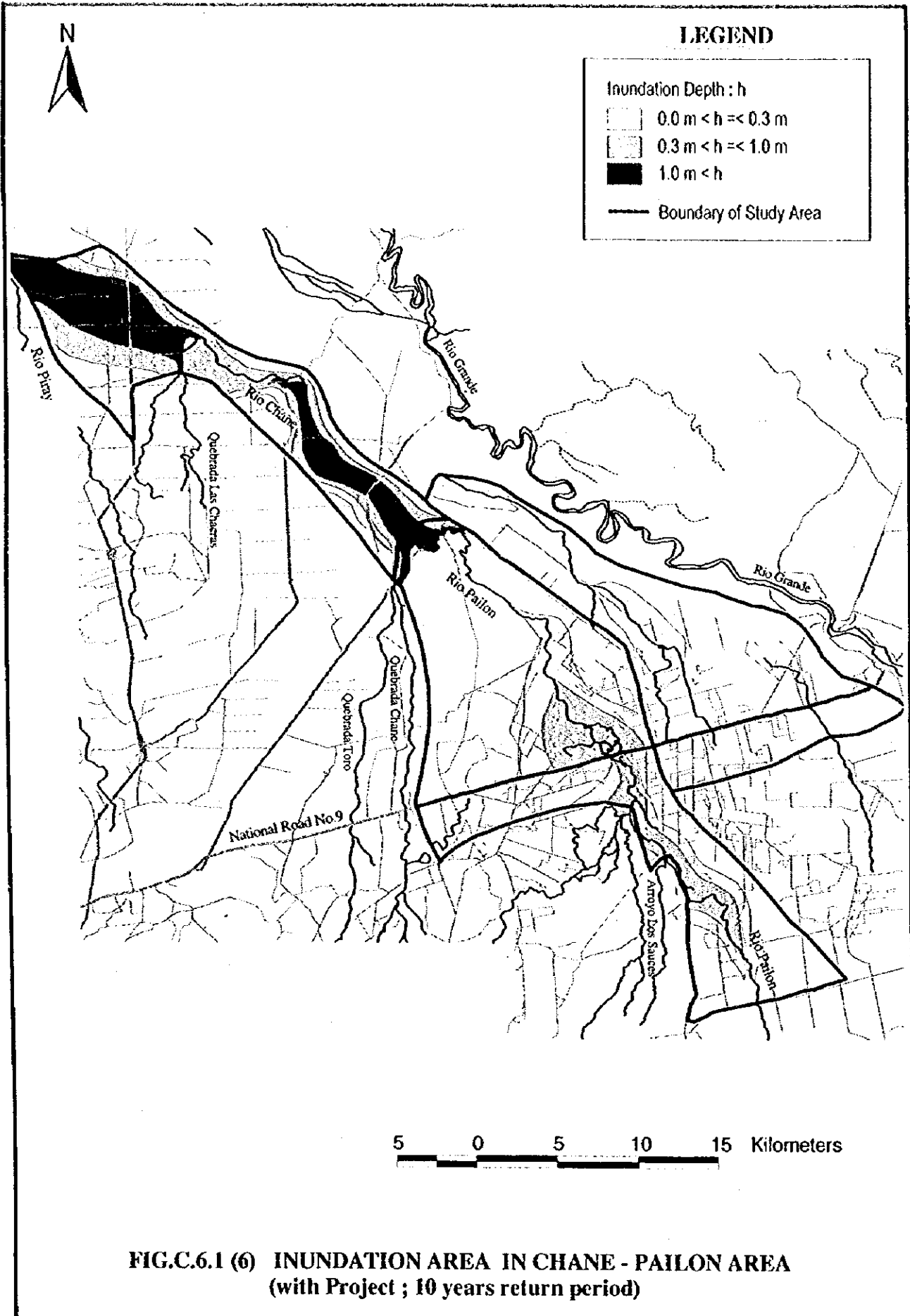
**FIG.C.6.1 (1) INUNDATION AREA IN SAN JUAN-ANTOFAGASTA AREA
(without Project ; 2 years return period)**

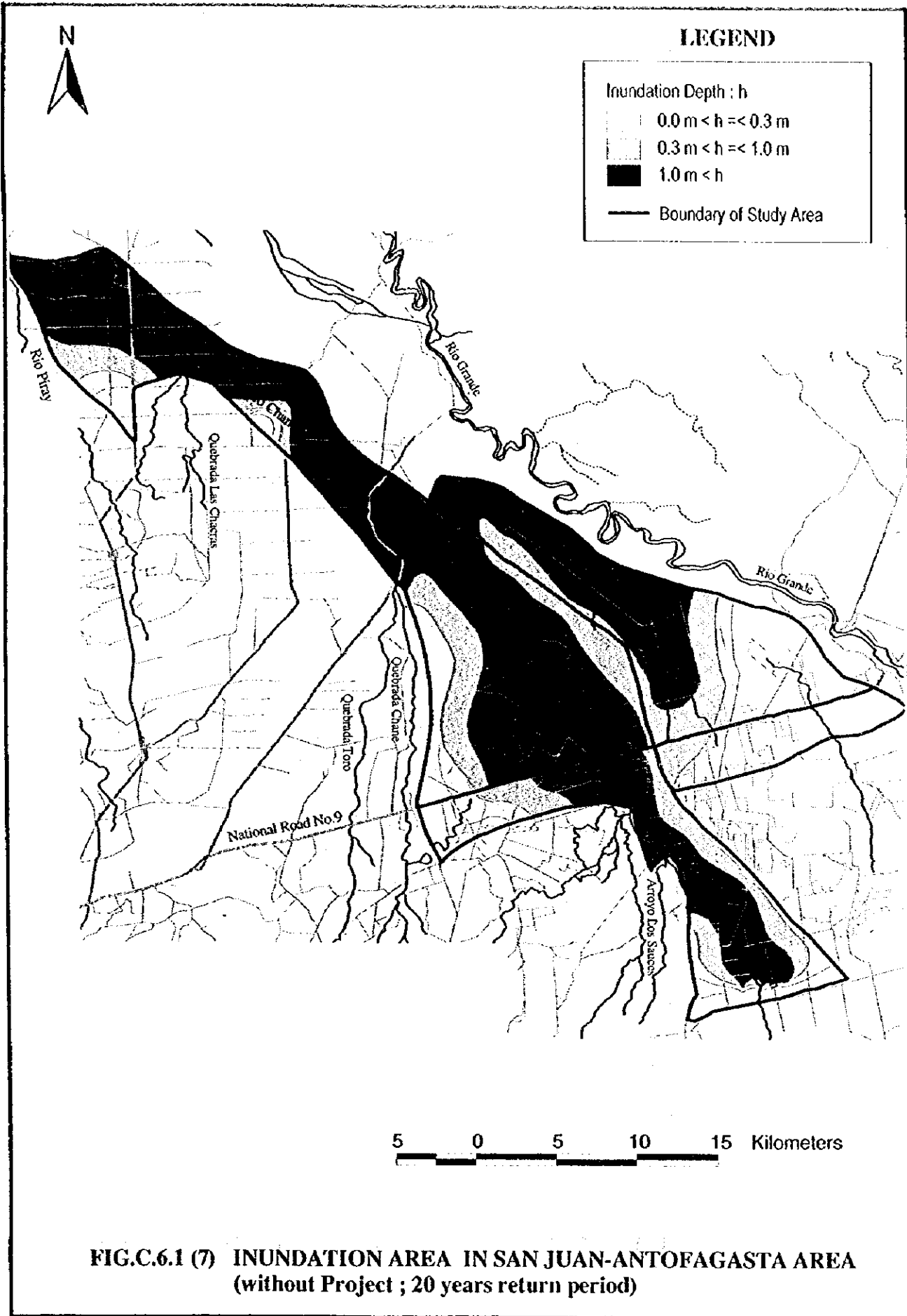


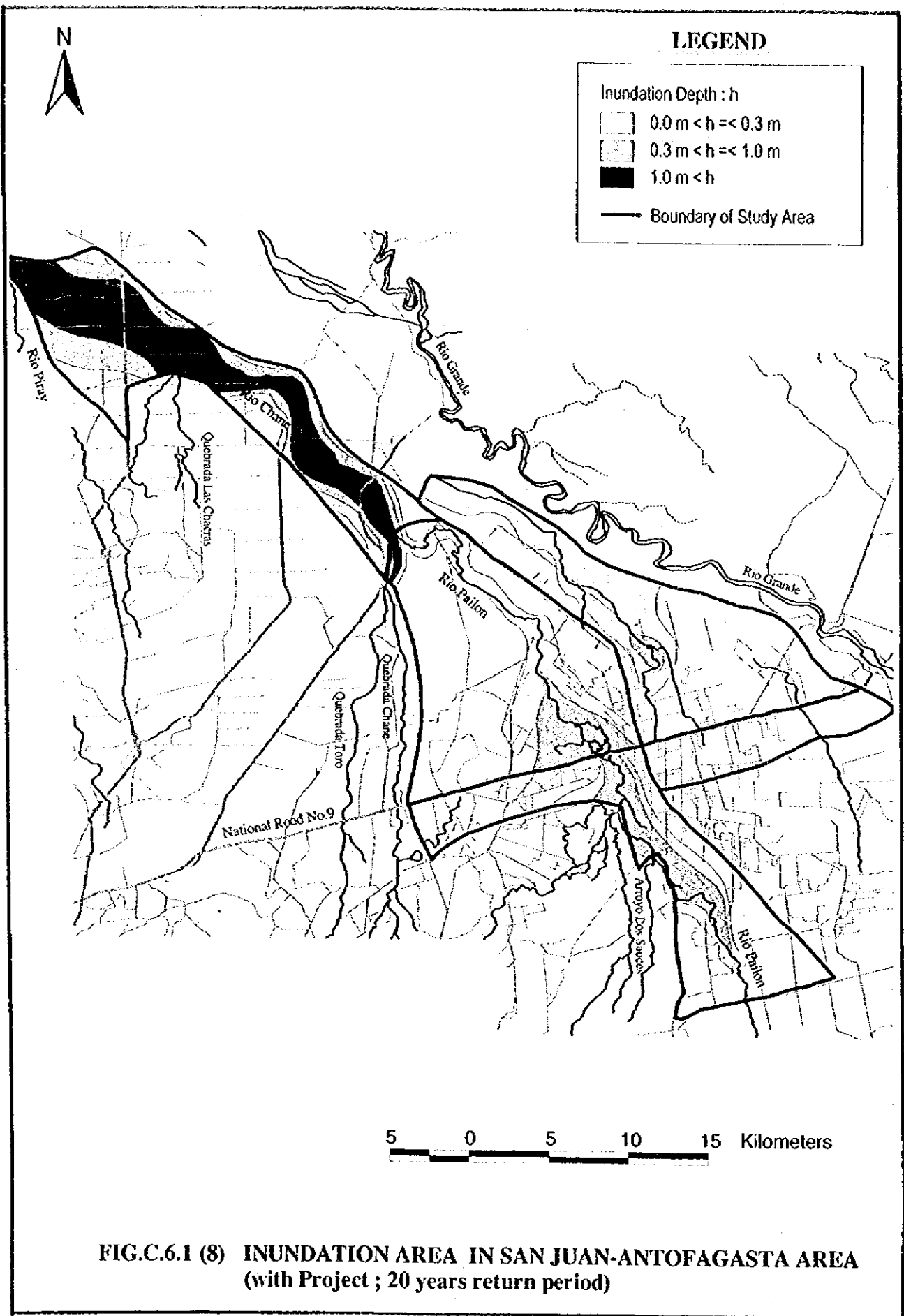




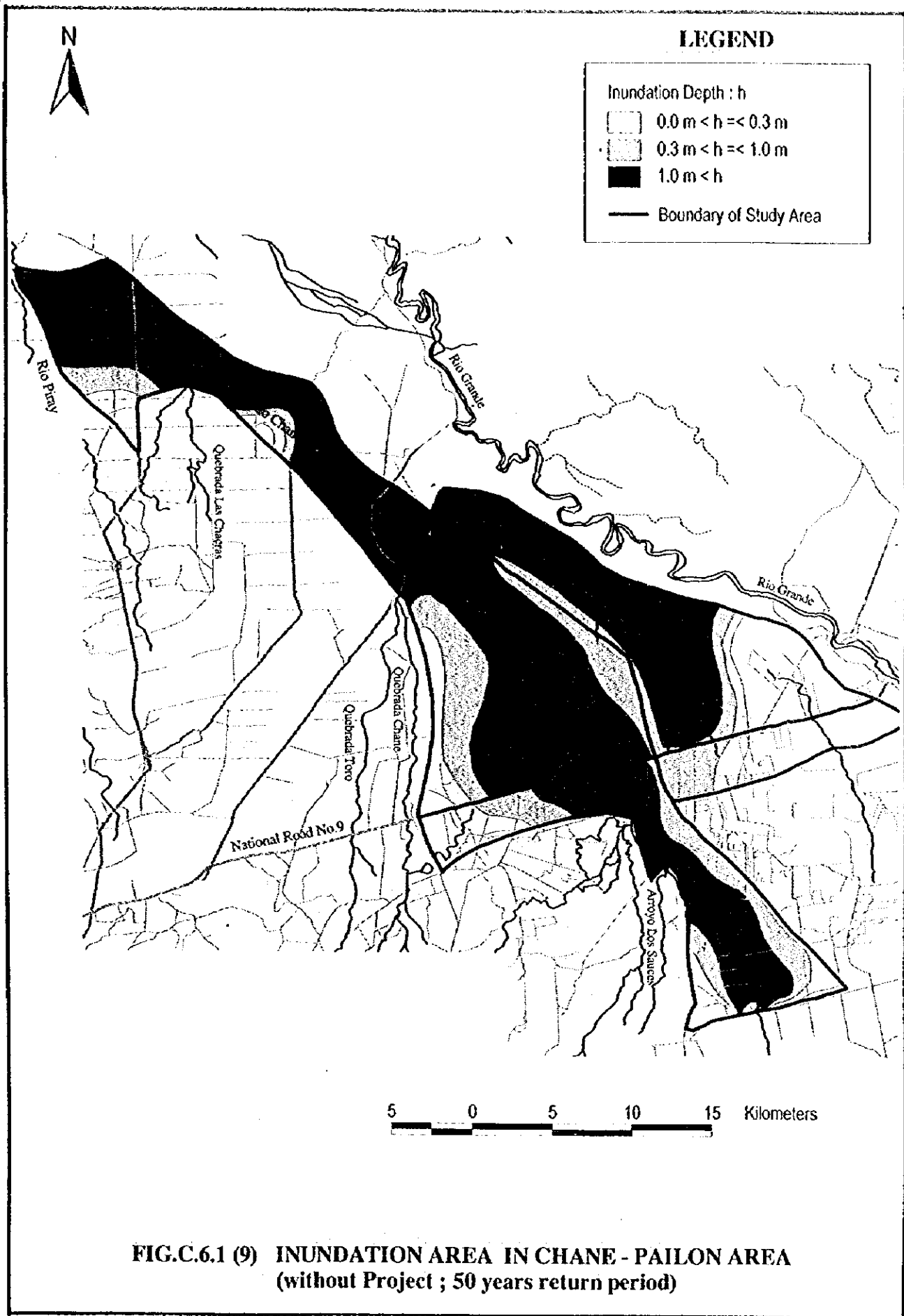


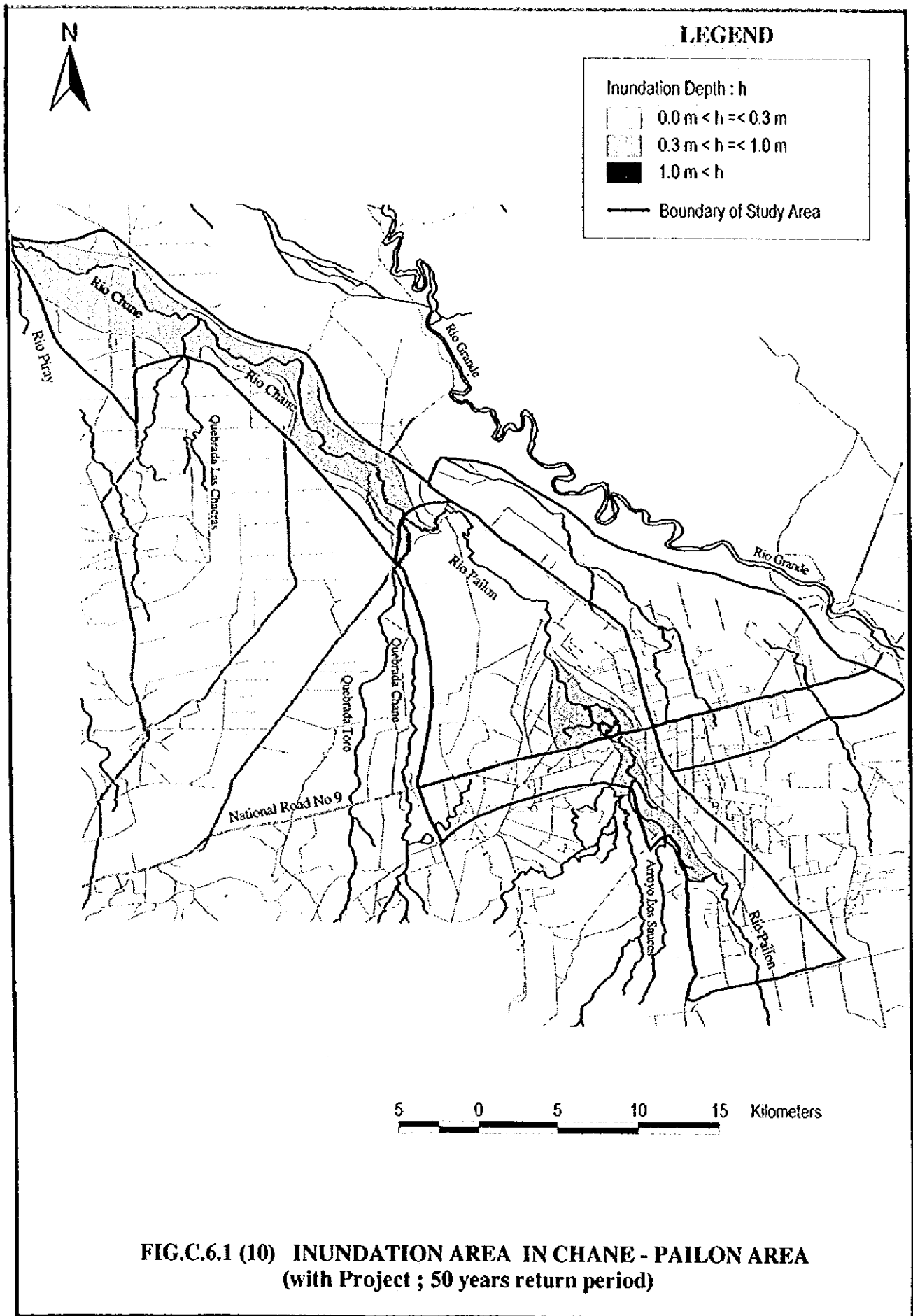






**FIG.C.6.1 (8) INUNDATION AREA IN SAN JUAN-ANTOFAGASTA AREA
(with Project ; 20 years return period)**







LEGEND

Inundation Depth : h	
	0.0 m < h ≤ 0.3 m
	0.3 m < h ≤ 1.0 m
	1.0 m < h
	Boundary of Study Area




5 0 5 10 15 Kilometers


**FIG.C.6.2 (1) INUNDATION AREA IN SAN JUAN-ANTOFAGASTA AREA
(without Project ; 2 years return period)**





LEGEND

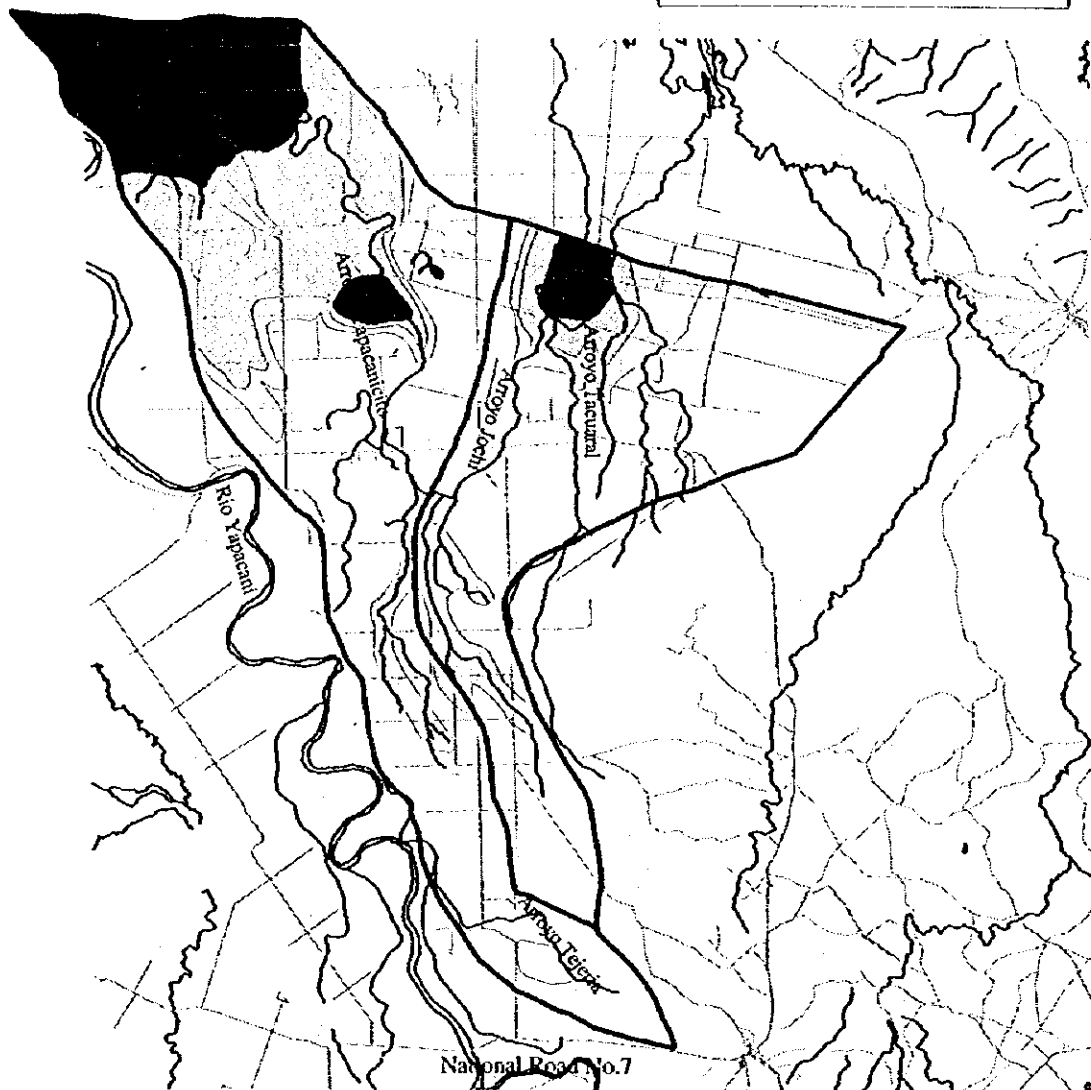
Inundation Depth : h

 0.0 m < h ≤ 0.3 m

 0.3 m < h ≤ 1.0 m

 1.0 m < h

 Boundary of Study Area



5 0 5 10 15 Kilometers

**FIG.C.6.2 (2) INUNDATION AREA IN SAN JUAN-ANTOFAGASTA AREA
(with Project ; 2 years return period)**



LEGEND

Inundation Depth : h	
	0.0 m < h ≤ 0.3 m
	0.3 m < h ≤ 1.0 m
	1.0 m < h
	Boundary of Study Area



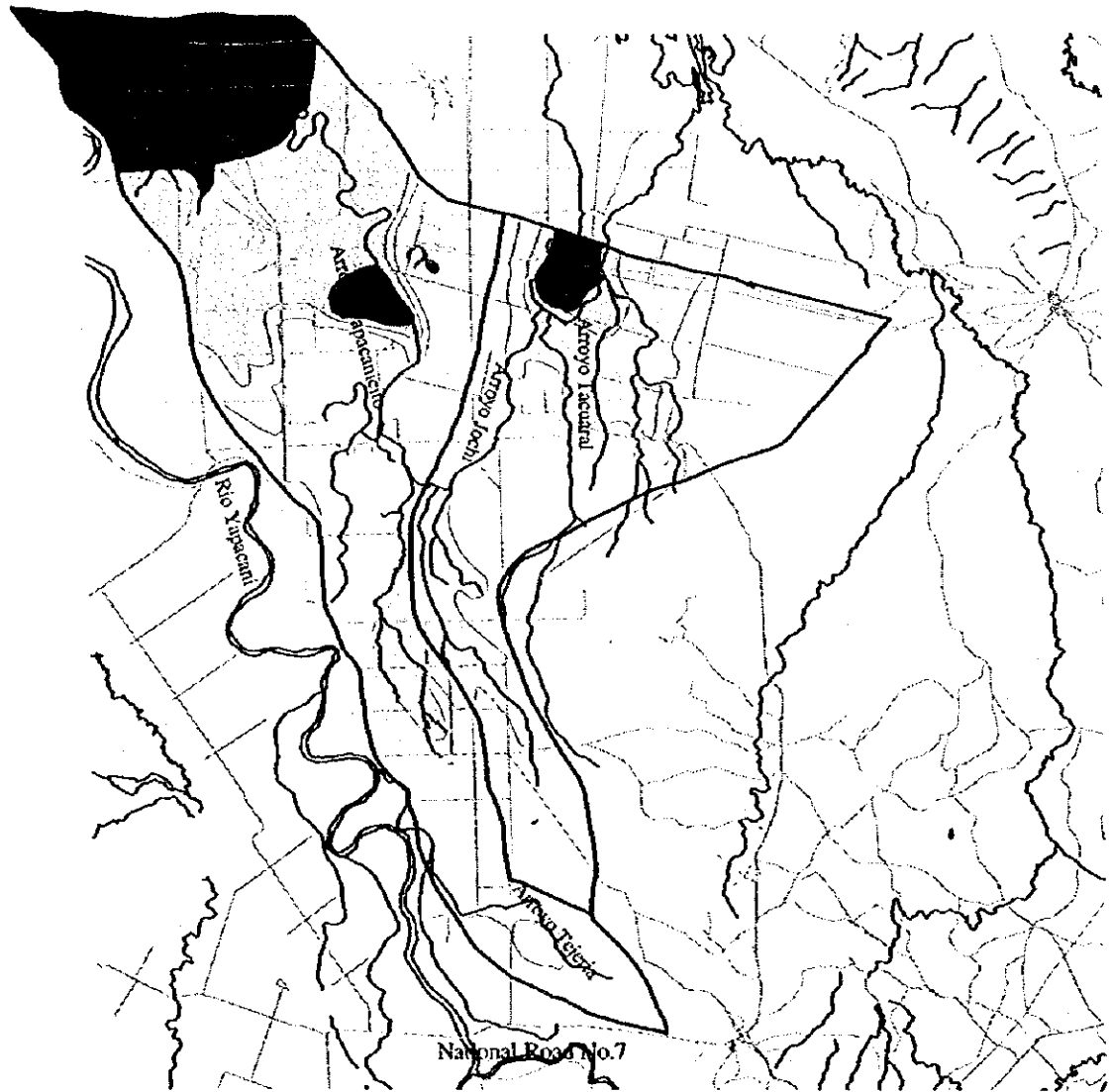
5 0 5 10 15 Kilometers

**FIG.C.6.2 (3) INUNDATION AREA IN SAN JUAN-ANTOFAGASTA AREA
(without Project ; 5 years return period)**

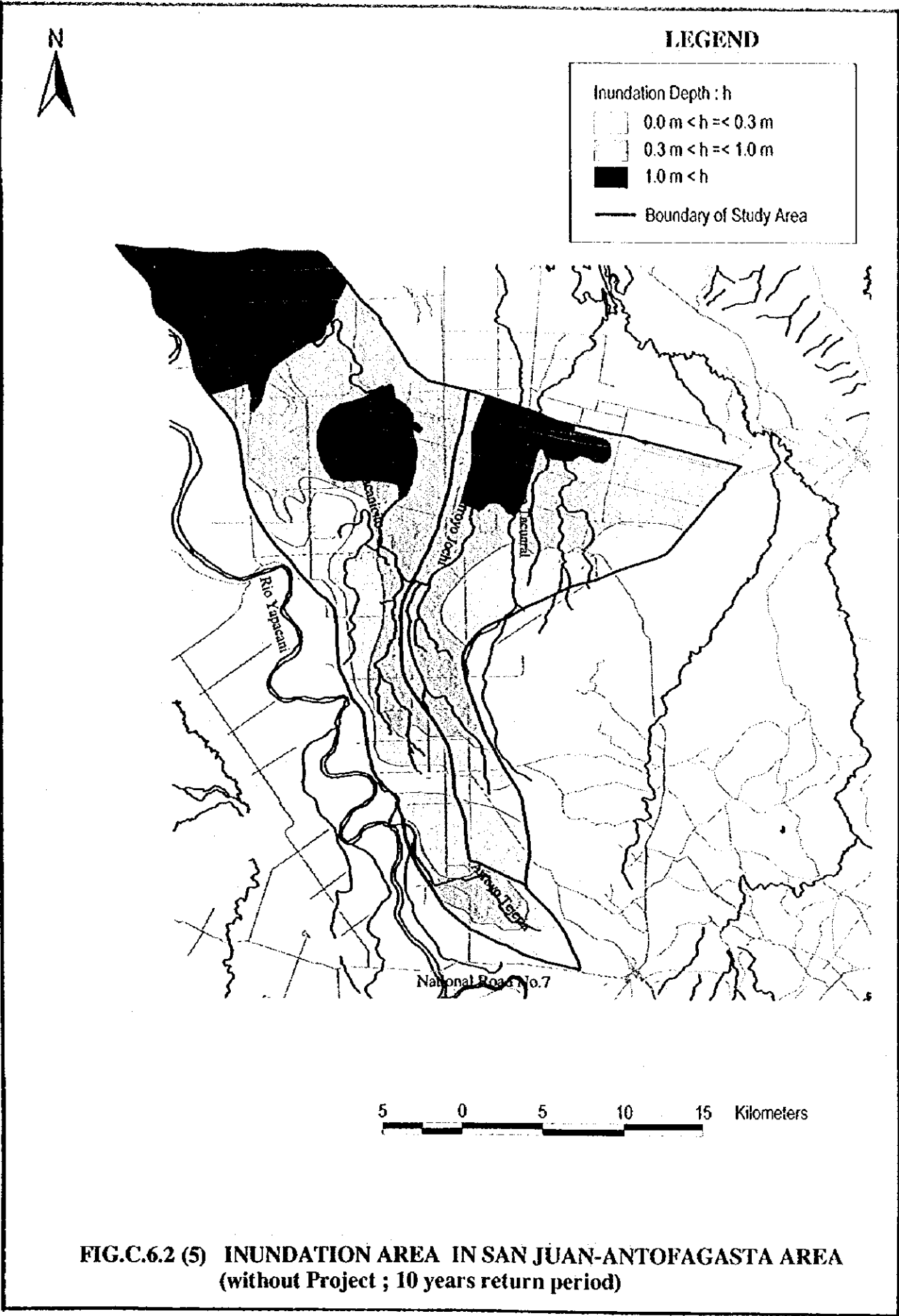


LEGEND

Inundation Depth : h	
	0.0 m < h ≤ 0.3 m
	0.3 m < h ≤ 1.0 m
	1.0 m < h
	Boundary of Study Area



**FIG.C.6.2 (4) INUNDATION AREA IN SAN JUAN-ANTOFAGASTA AREA
(with Project ; 5 years return period)**





LEGEND

Inundation Depth : h	
	$0.0\text{ m} < h \leq 0.3\text{ m}$
	$0.3\text{ m} < h \leq 1.0\text{ m}$
	$1.0\text{ m} < h$
	Boundary of Study Area

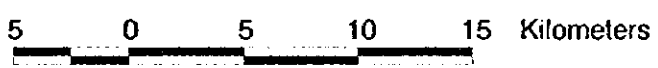


**FIG.C.6.2 (6) INUNDATION AREA IN SAN JUAN-ANTOFAGASTA AREA
(with Project ; 10 years return period)**



LEGEND

Inundation Depth : h	
	0.0 m < h ≤ 0.3 m
	0.3 m < h ≤ 1.0 m
	1.0 m < h
	Boundary of Study Area





**FIG.C.6.2 (7) INUNDATION AREA IN SAN JUAN-ANTOFAGASTA AREA
(without Project ; 20 years return period)**





LEGEND

Inundation Depth : h

 0.0 m < h <= 0.3 m

 0.3 m < h <= 1.0 m

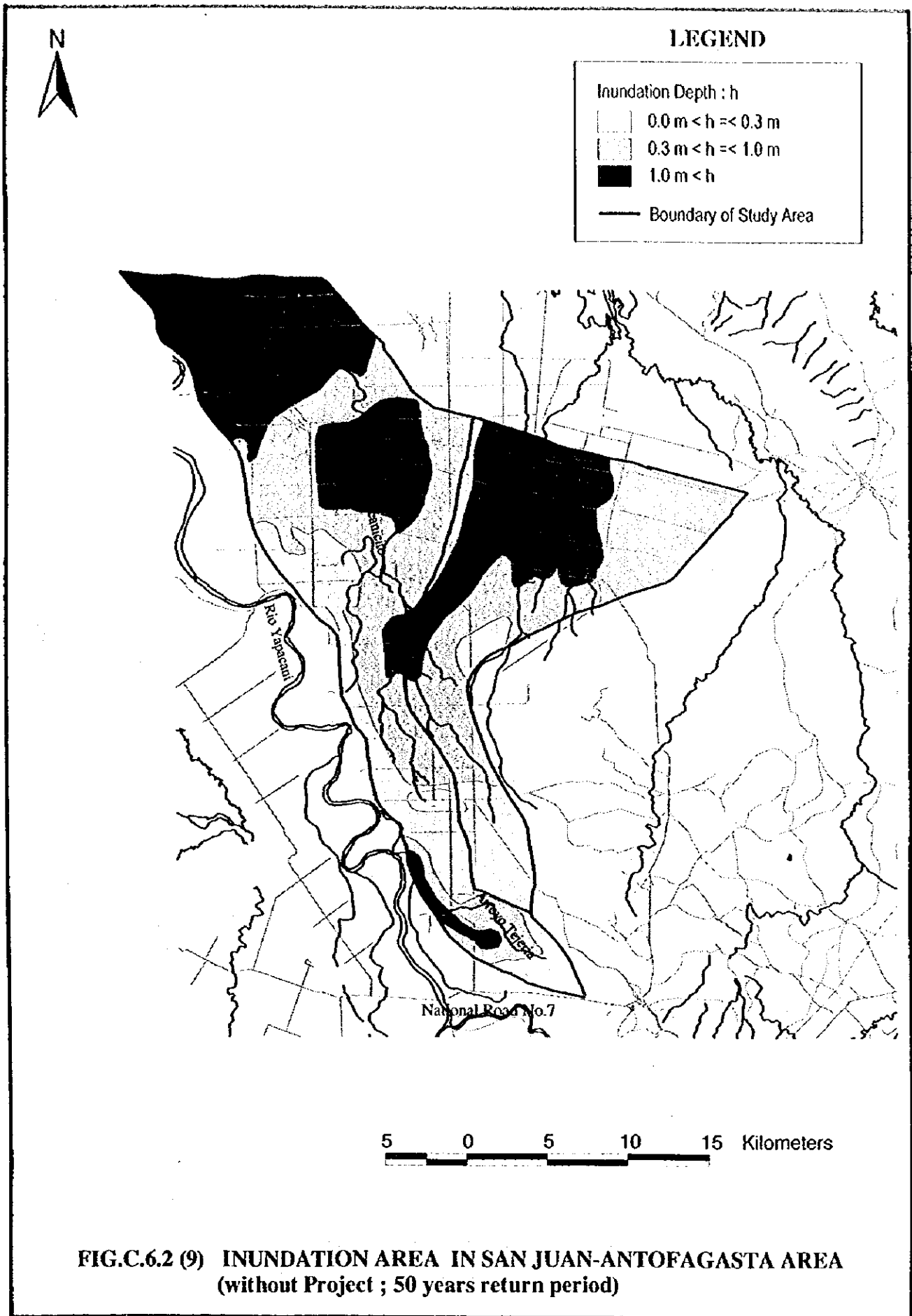
 1.0 m < h

 Boundary of Study Area



5 0 5 10 15 Kilometers


**FIG.C.6.2 (8) INUNDATION AREA IN SAN JUAN-ANTOFAGASTA AREA
(with Project ; 20 years return period)**








LEGEND

Inundation Depth : h

 0.0 m < h ≤ 0.3 m

 0.3 m < h ≤ 1.0 m

 1.0 m < h

 Boundary of Study Area



**FIG.C.6.2 (10) INUNDATION AREA IN SAN JUAN-ANTOFAGASTA AREA
(with Project ; 50 years return period)**

SUPPORTING REPORT D

COST ESTIMATE

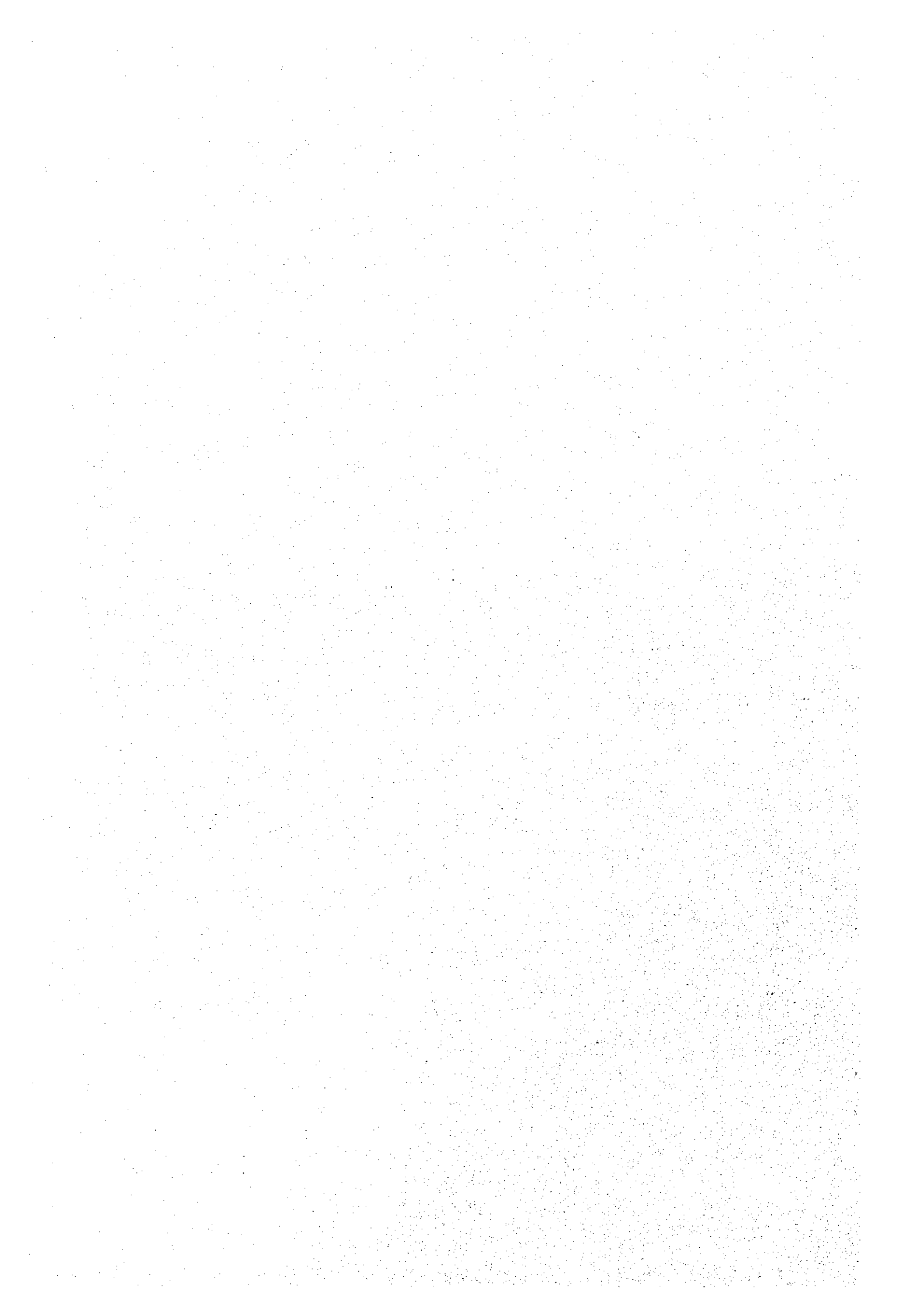


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SUPPORTING REPORTING D COST ESTIMATE

1 Cost Estimate

1.1 Introduction

This supporting report describes the details of the cost estimate for the structural measures proposed for the flood mitigation and the drainage improvement.

The structural measures of the project are mainly the enlargement of the river and drainage sections, the replacement of the bridges and the construction of the embankment. The cost estimate is calculated based on the unit cost and the criteria from the concerned organizations.

1.2 Basic Condition

The project cost is considered in general to compose of the following categories:

- 1) Construction cost
- 2) Management cost
- 3) Engineering service cost
- 4) Physical contingency
- 5) Operation and maintenance cost

The project cost was estimated based on the following criteria:

- The cost was calculated based on the market price in October, 1998,
- The labor cost, material cost and the equipment unit cost included the value added tax 13%,
- The cost estimate method was in principle same as that used by the CORDECRUZ.
- The cost was divided into the local and foreign currency and
- The currency exchange rate used was
US\$ 1.0 = Bolivian Bs 5.50 = Japanese Yen 117

1.3 Construction Cost

The construction cost was composed of the main items as follows:

(1) Direct construction cost

Direct construction cost is the cost use directly for the construction as follows:

- 1) Earth work, including
 - Clearing and grubbing
 - Soil excavation
 - Soil transportation
 - Slope forming
 - Construction of the operation road
 - Reforestation
- 2) Construction of structure, including
 - Bridge
 - Box culvert

(2) Preparation cost

Preparation cost is the cost needed before the construction to set and clear up the construction site.

(3) Indirect cost

Indirect cost is the cost apart from the direct and preparation cost. The estimate of this cost is in the proportional to the direct cost as follows;

- | | |
|--------------------|----------------------|
| 1) Unforeseen cost | (5% of direct cost) |
| 2) Overhead charge | (10% of direct cost) |
| 3) Profit | (15% of direct cost) |

1.3.1 Unit Cost

The labor cost, material cost and the unit cost for the equipment were calculated based on the cost investigation conducted in this Study, the CORDECRUZ and other concern organizations. The results are shown in Table D.1.40 to D.1.42.

1.3.2 Compound Unit Cost

The compound unit cost was considered as the summation of the labor cost, material cost and the equipment cost. A summary of this cost is shown in Table D.1.38 and D.1.39.

1.3.3 Currency Portion

The currency portion is classified into the foreign and local currency by the items as follows:

(1) Foreign currency

- Direct imported equipment, material and supplies,
- Domestic materials which were imported to the country,
- The cost for the expatriate of foreign personnel and
- The overhead and profit of the foreign companies

(2) Local currency

- Domestic materials which were exported from the country,
- The cost for local personnel,
- The overhead and profit of the local personnel and
- The overhead and profit of the local firms.

The cost portion of the foreign and local currency was estimated as follows:

Item	L.C (%)	F.C (%)
(a) Labor cost	100	0
(b) Equipment Cost	100	0
(c) Material Cost		
Fuel	100	0
Cements	100	0
Structure Steel	0	100
Gabion Mat Net	100	0
Gravel and Sand	100	0
PVC-Pipe	0	100

1.3.4 Construction Cost Estimate

The construction cost was estimated from the quantities multiplied by the unit cost as shown in the bill of quantities in Table D.1.3 to D.1.7. This cost included the cost for the river and drainage improvement and the construction of road-cum-embankment.

However, for the bridges and box culverts, the construction cost was estimated from the cost-curve prepared by using the data from the investigation as shown in Fig. D.1.1 and D.1.2.

1.3.5 Administration Cost

The administration cost included the cost of project management and supervision. This cost was estimated at 5% of the construction cost and considered as a part in the local currency.

1.3.6 Engineering Service Cost

The engineering service cost covered the cost for the detailed design and the construction supervision by the consultants. This portion was about 10% of the construction cost. The ratio of the detailed design and construction supervision is 60% and 40%.

1.3.7 Contingency

(1) Physical contingency

The physical contingency was set up to cope with some unpredictable conditions during the project implementation. A 15% of construction cost was set for this.

(2) Price contingency

The price contingency was set up for to cope with the inflation during the project implementation. From the investigation, the price contingency was estimated at 4% per annual for the foreign currency and 7% for the local currency.

1.3.8 Operation and Maintenance Cost

The operation and maintenance cost was considered as the cost for the routine operation and maintenance. This cost was estimated at 1% of the construction cost.

2. Project Cost

The project cost was estimated in accordance with the construction schedule as shown in Table D.1.9 to D.1.33.

The construction schedule was planned based on the capability of the equipment for construction because the civil works were considered as the main work. The project cost was estimated as shown in the break-down in Table D.1.1 to D.1.8. The construction work quantity and necessary equipment are summarized in Table D.1.43 to D.1.45.

TABLES

TABLE D.1.1 PROJECT COST OF CHANE - PAILON

Unit : Bs.

Item	L/C	F/C	Total	Reference
A. Construction Cost	194,883,000	333,346,000	528,229,000	
1. Rio Chane	67,089,000	110,323,000	177,412,000	
River Improvement of Rio Chane	67,089,000	110,323,000	177,412,000	
2. Rio Pailon	104,616,000	178,298,000	282,914,000	
1) Rio Pailon (downstream)	80,262,000	138,751,000	219,013,000	
2) Rio Pailon (upstream)	16,170,000	25,402,000	41,572,000	
3) Rancho Chico	2,087,000	4,046,000	6,133,000	
4) Chaco	294,000	551,000	845,000	
5) Empalme II	1,907,000	3,616,000	5,523,000	
6) Pailon Secondary Drainage	3,896,000	5,932,000	9,828,000	
3. Okinawa Drainage	23,178,000	44,725,000	67,903,000	
1) Okinawa Main Drainage	15,767,000	31,032,000	46,799,000	
2) Okinawa Secondary Drainage	7,411,000	13,693,000	21,104,000	
B. Administration Cost	26,412,000	0	26,412,000	
C. Engineering Cost	10,564,000	42,259,000	52,823,000	
D. Physical Contingency	34,779,000	56,341,000	91,120,000	
Subtotal	266,638,000	431,946,000	698,584,000	
E. Price Contingency	165,492,000	146,936,000	312,428,000	
Total	432,130,000	578,882,000	1,011,012,000	

TABLE D.1.2 PROJECT COST OF SAN JUAN - ANTOFAGASTA

Unit : Bs.

Item	I/C	F/C	Total	Reference
A. Construction Cost	64,399,000	92,813,000	157,212,000	
1. San Juan	34,067,000	47,256,000	81,323,000	
1) Arroyo Yapacanicito	12,083,000	16,159,000	28,242,000	
2) San Juan Main Drainage 1	2,245,000	4,163,000	6,408,000	km 13,17
3) San Juan Main Drainage 2	4,403,000	6,286,000	10,689,000	km 11,15,24,28
4) Arroyo Tejeria	2,173,000	4,039,000	6,212,000	
5) Road-cum-embankment	3,233,000	1,357,000	4,590,000	
6) San Juan Secondary Drainage	9,930,000	15,252,000	25,182,000	
2. Antofagasta	30,332,000	45,557,000	75,889,000	
1) Arroyo Jochi	8,425,000	10,486,000	18,911,000	
2) Arroyo Tacuaral	5,529,000	8,288,000	13,817,000	
3) Antofagasta Main Drainage	5,545,000	10,628,000	16,173,000	
4) Antofagasta Secondary Drainage	10,833,000	16,155,000	26,988,000	
B. Administration Cost	7,861,000	0	7,861,000	
C. Engineering Cost	3,144,000	12,577,000	15,721,000	
D. Physical Contingency	11,310,000	15,808,000	27,118,000	
Subtotal	86,714,000	121,198,000	207,912,000	
E. Price Contingency	44,843,000	36,307,000	81,150,000	
Total	131,557,000	157,505,000	289,062,000	

TABLE D.1.3 PROJECT COST OF RIO CHANE

Rio Chane				Unit : Bs.
Item	L/C	F/C	Total	Reference
A. Rio Chane Constructuon Cost	67,089,000	110,323,000	177,412,000	
River Improvement of Rio Chane	67,089,000	110,323,000	177,412,000	
B. Administration Cost	8,871,000	0	8,871,000	
C. Engineering Cost	3,548,000	14,193,000	17,741,000	
D. Physical Contingency	11,926,000	18,677,000	30,603,000	
Subtotal	91,434,000	143,193,000	234,627,000	
E. Price Contingency	36,451,000	30,539,000	66,990,000	
Total	127,885,000	173,732,000	301,617,000	

TABLE D.1.4 PROJECT COST OF RIO PAILON

Rio pailon				Unit : Bs.
Item	L/C	F/C	Total	Reference
A. Rio Pailon Construction Cost	104,616,000	178,298,000	282,914,000	
1) Rio Pailon (downstream)	80,262,000	138,751,000	219,013,000	
2) Rio Pailon (upstream)	16,170,000	25,402,000	41,572,000	
3) Rancho Chico	2,087,000	4,046,000	6,133,000	
4) Chaco	294,000	551,000	845,000	
5) Empalme II	1,907,000	3,616,000	5,523,000	
6) Pailon Secondary Drainage	3,896,000	5,932,000	9,828,000	
B. Administration Cost	14,146,000	0	14,146,000	
C. Engineering Cost	5,658,000	22,634,000	28,292,000	
D. Physical Contingency	18,664,000	30,141,000	48,805,000	
Subtotal	143,084,000	231,073,000	374,157,000	
E. Price Contingency	115,959,000	103,041,000	219,000,000	
Total	259,043,000	334,114,000	593,157,000	

TABLE D.1.5 PROJECT COST OF OKINAWA

Okinawa				Unit : Bs.
Item	L/C	F/C	Total	Reference
A. Construction Cost	23,178,000	44,725,000	67,903,000	
1) Okinawa Main Drainage	15,767,000	31,032,000	46,799,000	
2) Okinawa Secondary Drainage	7,411,000	13,693,000	21,104,000	
B. Administration Cost	3,395,000	0	3,395,000	
C. Engineering Cost	1,358,000	5,432,000	6,790,000	
D. Physical Contingency	4,189,000	7,523,000	11,712,000	
Subtotal	32,120,000	57,680,000	89,800,000	
E. Price Contingency	13,082,000	13,356,000	26,438,000	
Total	45,202,000	71,036,000	116,238,000	

TABLE D.1.6 PROJECT COST OF SAN JUAN

San Juan

Unit : Bs.

Item	L/C	F/C	Total	Reference
A. Construction Cost	34,067,000	47,256,000	81,323,000	142,073,000
1) Arroyo Yapacanicito	12,083,000	16,159,000	28,242,000	
2) San Juan Main Drainage 1	2,245,000	4,163,000	6,408,000	km 13,17
3) San Juan Main Drainage 2	4,403,000	6,286,000	10,689,000	km 11,15,24,28
4) Arroyo Tejeria	2,173,000	4,039,000	6,212,000	
5) Road-Cum-Embankment	3,233,000	1,357,000	4,590,000	
6) San Juan Secondary Drainage	9,930,000	15,252,000	25,182,000	
B. Administration Cost	4,066,000	0	4,066,000	
C. Engineering Cost	1,627,000	6,506,000	8,133,000	
D. Physical Contingency	5,964,000	8,064,000	14,028,000	
Subtotal	45,724,000	61,826,000	107,550,000	
E. Price Contingency	29,525,000	21,458,000	50,983,000	
Total	75,249,000	83,284,000	158,533,000	

TABLE D.1.7 PROJECT COST OF ANTOFAGASTA

Antofagasta

Unit : Bs.

Item	L/C	F/C	Total	Reference
A. Construction Cost	30,332,000	45,557,000	75,889,000	
1) Arroyo Jochi	8,425,000	10,486,000	18,911,000	
2) Arroyo Tacuaral	5,529,000	8,288,000	13,817,000	
3) Antofagasta Main Drainage	5,545,000	10,628,000	16,173,000	
4) Antofagasta Secondary Drainage	10,833,000	16,155,000	26,988,000	
B. Administration Cost	3,795,000	0	3,795,000	
C. Engineering Cost	1,517,000	6,071,000	7,588,000	
D. Physical Contingency	5,346,000	7,744,000	13,090,000	
Subtotal	40,990,000	59,372,000	100,362,000	
E. Price Contingency	15,318,000	14,849,000	30,167,000	
Total	56,308,000	74,221,000	130,529,000	

TABLE D.1.8 CONSTRUCTION COST

CHIANE - PAILON Unit : Bs.

Item	Width (m)	Depth (m)	Length (m)	A. Construction Cost			B. Land Acquisition
				L/P	F/P	Total	
1. Rio Chane			26,354	67,089,000	110,323,000	177,412,000	0
Rio Chane	100 - 75	6	26,354	67,089,000	110,323,000	177,412,000	0
2. Rio Pailon			60,545	104,616,000	178,298,000	282,914,000	0
1) Rio Pilon (downstream)	70	5	23,632	80,262,000	138,751,000	219,013,000	0
2) Rio Pailon (upstream)	65	5	8,046	16,170,000	25,402,000	41,572,000	0
3) Rancho Chico	12	3.0	3,600	2,087,000	4,046,000	6,133,000	0
4) Chaco	18	3	1,472	294,000	551,000	845,000	0
5) Empalme II	35	4	5,295	1,907,000	3,616,000	5,523,000	0
6) Pailon Secondary Drainage	12	3	18,500	3,896,000	5,932,000	9,828,000	0
3. Okinawa Drainage			56,050	23,178,000	44,725,000	67,903,000	0
1) Okinawa Main Drainage	35	4	20,550	15,767,000	31,032,000	46,799,000	0
2) Okinawa Secondary Drainage	12	3	35,500	7,411,000	13,693,000	21,104,000	0
Subtotal				194,883,000	333,346,000	528,229,000	0

SAN JUAN - ANTOFAGASTA Unit : Bs.

Item	Width (m)	Depth (m)	Length (m)	A. Construction Cost			B. Land Acquisition
				L/P	F/P	Total	
1. San Juan			122,511	34,067,000	47,256,000	81,323,000	0
1) Arroyo Yapacanico	35 - 30	3	17,363	12,083,000	16,159,000	28,242,000	0
2) San Juan Main Drainage ①			7,522	2,245,000	4,163,000	6,408,000	0
km13	13	3	3,665	1,082,000	2,007,000	3,089,000	0
km17	12	3	3,857	1,163,000	2,156,000	3,319,000	0
3) San Juan Main Drainage ②			27,472	4,403,000	6,286,000	10,689,000	0
km11	12	3	2,409	410,000	583,000	993,000	0
km15	13	3	8,927	1,604,000	2,323,000	3,927,000	0
km24	-	-	5,584	973,000	1,323,000	2,296,000	0
km28	9	2	10,552	1,416,000	2,057,000	3,473,000	0
4) Arroyo Tejeria	22	4	8,160	2,173,000	4,039,000	6,212,000	0
5) Road Cum Embankment	9	-	9,000	3,233,000	1,357,000	4,590,000	0
6) San Juan Secondary Drainage	14	3	18,000	9,930,000	15,252,000	25,182,000	0
2. Antofagasta			49,396	30,332,000	45,557,000	75,889,000	0
1) Arroyo Jochi	30 - 22	4	13,800	8,425,000	10,486,000	18,911,000	0
2) Arroyo Tacuaral	26	4	5,799	5,529,000	8,288,000	13,817,000	0
3) Antofagasta Main Drainage	28-25	4	8,797	5,545,000	10,628,000	16,173,000	0
4) Antofagasta Secondary Drainage	14	3	21,000	10,833,000	16,155,000	26,988,000	0
Subtotal				64,399,000	92,813,000	157,212,000	0
Total				259,282,000	426,159,000	685,441,000	0

TABLE D.1.9 DISBURSEMENT SCHEDULE OF CHANE-PAILON

Unit : Bs.

Item	Amount	Year										
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011
A. Construction Cost	Total	528,229,000	0	28,079,000	80,814,000	66,425,000	57,555,000	59,238,000	74,333,000	61,691,000	76,898,000	23,196,000
	L/C	194,883,000	0	9,460,000	29,788,000	25,064,000	21,710,000	21,706,000	27,140,000	22,541,000	28,656,000	8,818,000
	F/C	333,346,000	0	18,619,000	51,026,000	41,360,000	35,844,000	37,533,000	47,193,000	39,151,000	48,239,000	14,381,000
B. Land Acquisition	Total	0	0	0	0	0	0	0	0	0	0	0
	L/C	0	0	0	0	0	0	0	0	0	0	0
	F/C	0	0	0	0	0	0	0	0	0	0	0
C. Administration Cost (5% of Item A + B)	Total	26,412,000	0	1,404,000	4,041,000	3,322,000	2,878,000	2,962,000	3,717,000	3,085,000	3,845,000	1,158,000
	L/C	26,412,000	0	1,404,000	4,041,000	3,322,000	2,878,000	2,962,000	3,717,000	3,085,000	3,845,000	1,158,000
	F/C	0	0	0	0	0	0	0	0	0	0	0
D. Engineering Cost (10% of Item A) L.C.20%, F.C. 80%	Total	52,823,000	468,000	4,582,000	7,922,000	6,642,000	6,172,000	5,985,000	7,433,000	6,589,000	5,500,000	1,530,000
	L/C	10,564,000	94,000	917,000	1,584,000	1,329,000	1,234,000	1,197,000	1,488,000	1,318,000	1,100,000	303,000
	F/C	42,259,000	374,000	3,665,000	6,340,000	5,314,000	4,936,000	4,788,000	5,947,000	5,270,000	4,401,000	1,224,000
E. Physical Contingency (15% of Subtotal (1))	Total	607,464,000	468,000	34,065,000	92,779,000	76,389,000	66,602,000	68,186,000	85,485,000	71,365,000	86,241,000	25,884,000
	L/C	231,859,000	94,000	11,781,000	35,413,000	29,715,000	25,822,000	25,865,000	32,345,000	26,944,000	33,601,000	10,279,000
	F/C	375,605,000	374,000	22,284,000	57,366,000	46,674,000	40,780,000	42,321,000	53,140,000	44,421,000	52,640,000	15,605,000
F. Price Contingency (Item A+B+C+D+E)	Total	91,120,000	70,000	5,110,000	13,915,000	11,458,000	9,991,000	10,228,000	12,822,000	10,706,000	12,936,000	3,884,000
	L/C	34,779,000	14,000	1,767,000	5,311,000	4,457,000	3,874,000	3,880,000	4,852,000	4,041,000	5,039,000	1,544,000
	F/C	56,341,000	56,000	3,343,000	8,604,000	7,001,000	6,117,000	6,348,000	7,970,000	6,665,000	7,897,000	2,340,000
G. Price Contingency (L/C=7%) (F/C=4%)	Total	698,584,000	538,000	39,175,000	106,694,000	87,847,000	76,593,000	78,414,000	98,307,000	82,071,000	99,177,000	29,768,000
	L/C	266,638,000	108,000	13,548,000	40,724,000	34,172,000	29,696,000	29,745,000	37,197,000	30,985,000	38,640,000	11,823,000
	F/C	431,946,000	430,000	25,627,000	65,970,000	53,675,000	46,897,000	48,669,000	61,110,000	51,086,000	60,537,000	17,945,000
H. Total (Item A+B+C+D+E+F)	Total	312,428,000	51,000	6,249,000	23,862,000	25,383,000	27,313,000	33,394,000	49,238,000	47,606,000	66,444,000	32,888,000
	L/C	165,492,000	16,000	3,049,000	12,657,000	13,755,000	14,870,000	18,018,000	26,714,000	25,980,000	37,371,000	13,062,000
	F/C	146,936,000	35,000	3,200,000	11,205,000	11,628,000	12,443,000	15,376,000	22,524,000	21,626,000	29,073,000	19,826,000
I. O.M. Cost 1. O.M. Cost 2. Price Contingency	Total	1,011,012,000	589,000	45,424,000	130,556,000	113,230,000	103,906,000	111,808,000	147,545,000	129,677,000	165,621,000	62,656,000
	L/C	432,130,000	124,000	16,597,000	53,381,000	47,927,000	44,566,000	47,763,000	63,911,000	56,965,000	76,011,000	24,885,000
	F/C	578,882,000	465,000	28,827,000	77,175,000	65,303,000	59,340,000	64,045,000	83,634,000	72,712,000	89,610,000	37,771,000
J. Total	Total	50,226,000	0	0	368,000	1,527,000	2,632,000	3,742,000	5,022,000	6,742,000	8,430,000	11,125,000
	L/C	26,786,000	0	0	281,000	1,089,000	1,747,000	2,319,000	2,757,000	3,457,000	4,223,000	5,330,000
	F/C	23,558,000	0	0	87,000	438,000	878,000	1,412,000	2,099,000	3,074,000	4,145,000	5,840,000

TABLE D.1.10 DISBURSEMENT SCHEDULE OF SAN JUAN-ANTOFAGASTA

Unit : Bs.

Item	Amount	Year																				
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011										
A. Construction Cost																						
Total	157,212,000	3,834,000	17,946,000	14,817,000	10,446,000	18,586,000	17,612,000	23,241,000	25,680,000	21,108,000	3,942,000											
L/C	64,399,000	1,782,000	8,342,000	6,441,000	4,181,000	7,457,000	7,164,000	9,422,000	10,179,000	8,070,000	1,361,000											
F/C	92,813,000	2,052,000	9,604,000	8,376,000	6,265,000	11,130,000	10,450,000	13,819,000	15,501,000	13,039,000	2,576,000											
B. Land Acquisition																						
Total	0	0	0	0	0	0	0	0	0	0	0											
L/C	0	0	0	0	0	0	0	0	0	0	0											
F/C	0	0	0	0	0	0	0	0	0	0	0											
C. Administration Cost																						
Total	7,861,000	898,000	898,000	598,000	445,000	930,000	789,000	1,018,000	1,272,000	1,237,000	674,000											
L/C	7,861,000	898,000	898,000	598,000	445,000	930,000	789,000	1,018,000	1,272,000	1,237,000	674,000											
F/C	0	0	0	0	0	0	0	0	0	0	0											
D. Engineering Cost																						
Total	15,721,000	1,795,000	1,795,000	1,419,000	1,029,000	1,859,000	1,719,000	2,261,000	2,544,000	2,192,000	604,000											
L/C	3,144,000	359,000	359,000	283,000	207,000	373,000	344,000	452,000	508,000	438,000	120,000											
F/C	12,577,000	1,436,000	1,436,000	1,136,000	823,000	1,486,000	1,376,000	1,808,000	2,036,000	1,752,000	485,000											
Subtotal (1)																						
Total	180,794,000	4,133,000	20,639,000	16,834,000	11,922,000	21,376,000	20,123,000	26,519,000	29,496,000	24,536,000	5,216,000											
L/C	75,404,000	1,842,000	9,599,000	7,322,000	4,833,000	8,760,000	8,297,000	10,892,000	11,959,000	9,745,000	2,155,000											
F/C	105,390,000	2,291,000	11,040,000	9,512,000	7,089,000	12,616,000	11,826,000	15,627,000	17,537,000	14,791,000	3,061,000											
E. Physical Contingency																						
Total	27,118,000	620,000	3,096,000	2,524,000	1,790,000	3,207,000	3,018,000	3,978,000	4,424,000	3,681,000	780,000											
L/C	11,310,000	276,000	1,440,000	1,097,000	726,000	1,314,000	1,243,000	1,634,000	1,794,000	1,462,000	324,000											
F/C	15,808,000	344,000	1,656,000	1,427,000	1,064,000	1,893,000	1,775,000	2,344,000	2,630,000	2,219,000	456,000											
Subtotal (2)																						
Total	207,912,000	4,753,000	23,735,000	19,358,000	13,712,000	24,583,000	23,141,000	30,497,000	33,920,000	28,217,000	5,996,000											
L/C	86,714,000	2,118,000	11,039,000	8,419,000	5,559,000	10,074,000	9,540,000	12,526,000	13,753,000	11,207,000	2,479,000											
F/C	121,198,000	2,635,000	12,696,000	10,939,000	8,153,000	14,509,000	13,601,000	17,971,000	20,167,000	17,010,000	3,517,000											
F. Price Contingency																						
Total	81,150,000	521,000	4,069,000	4,032,000	3,107,000	7,654,000	8,414,000	13,346,000	17,584,000	16,177,000	6,246,000											
L/C	44,843,000	306,000	2,484,000	2,310,000	1,641,000	4,247,000	4,730,000	7,576,000	9,989,000	9,085,000	2,475,000											
F/C	36,307,000	215,000	1,585,000	1,722,000	1,466,000	3,407,000	3,684,000	5,770,000	7,595,000	7,092,000	3,771,000											
Total																						
Total	289,062,000	5,274,000	27,804,000	23,390,000	16,819,000	32,237,000	31,555,000	43,843,000	51,504,000	44,394,000	12,242,000											
L/C	131,557,000	2,424,000	13,523,000	10,729,000	7,200,000	14,321,000	14,270,000	20,102,000	23,742,000	20,292,000	4,954,000											
F/C	157,505,000	2,850,000	14,281,000	12,661,000	9,619,000	17,916,000	17,285,000	23,741,000	27,762,000	24,102,000	7,288,000											
O.M. Cost																						
Total	15,129,000	0	46,000	285,000	511,000	705,000	1,052,000	1,430,000	1,938,000	2,599,000	3,314,000											
L/C	8,069,000	0	38,000	217,000	364,000	469,000	655,000	832,000	1,064,000	1,322,000	1,574,000											
F/C	7,060,000	0	8,000	68,000	147,000	236,000	397,000	598,000	894,000	1,277,000	1,595,000											

TABLE D.1.11 DISBURSEMENT SCHEDULE OF RIO CHANE

Unit: Bs.

Item	Amount	Year																		
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011								
A. Construction Cost	Total	177,412,000	0	62,094,000	62,094,000	53,224,000														
	L/C	67,089,000	0	23,481,000	23,481,000	20,127,000														
	F/C	110,323,000	0	38,613,000	38,613,000	33,097,000														
B. Land Acquisition	Total	0	0	0	0	0														
	L/C	0	0	0	0	0														
	F/C	0	0	0	0	0														
C. Administration Cost	Total	8,871,000	0	3,105,000	3,105,000	2,661,000														
(5% of Item A + B)	L/C	8,871,000	0	3,105,000	3,105,000	2,661,000														
	F/C	0	0	0	0	0														
D. Engineering Cost	Total	17,741,000	1,774,000	6,209,000	6,209,000	3,549,000														
(10% of Item A)	L/C	3,548,000	355,000	1,242,000	1,242,000	709,000														
L.C.20%, F.C. 80%	F/C	14,193,000	1,419,000	4,968,000	4,968,000	2,838,000														
Subtotal (1)	Total	204,024,000	1,774,000	71,409,000	71,409,000	59,432,000														
(Item A+B+C+D)	L/C	79,508,000	355,000	27,828,000	27,828,000	23,497,000														
	F/C	124,516,000	1,419,000	43,581,000	43,581,000	35,935,000														
E. Physical Contingency	Total	30,603,000	266,000	10,711,000	10,711,000	8,915,000														
(15% of Subtotal (1))	L/C	11,926,000	53,000	4,174,000	4,174,000	3,525,000														
	F/C	18,677,000	213,000	6,537,000	6,537,000	5,390,000														
Subtotal (2)	Total	234,627,000	2,040,000	82,120,000	82,120,000	68,347,000														
(Item A+B+C+D+E)	L/C	91,434,000	408,000	32,002,000	32,002,000	27,022,000														
	F/C	143,193,000	1,632,000	50,118,000	50,118,000	41,325,000														
F. Price Contingency	Total	66,990,000	0	296,000	18,459,000	23,740,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(L/C=7%)	L/C	36,451,000	0	92,000	9,946,000	12,882,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(F/C=4%)	F/C	30,539,000	0	204,000	8,513,000	10,858,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	Total	301,617,000	0	2,336,000	100,579,000	105,860,000	92,842,000	0	0	0	0	0	0	0	0	0	0	0	0	0
(Item A+B+C+D+E+F)	L/C	127,885,000	0	500,000	41,948,000	44,884,000	40,553,000	0	0	0	0	0	0	0	0	0	0	0	0	0
	F/C	173,732,000	0	1,836,000	58,631,000	60,976,000	52,289,000	0	0	0	0	0	0	0	0	0	0	0	0	0
O.M. Cost	Total	22,851,000		0	871,000	1,864,000	2,849,000	3,048,000	3,261,000	3,490,000	3,734,000	3,734,000	3,734,000	3,734,000	3,734,000	3,734,000	3,734,000	3,734,000	3,734,000	3,734,000
1.O.M. Cost	L/C	12,507,000		0	621,000	1,242,000	1,774,000	1,774,000	1,774,000	1,774,000	1,774,000	1,774,000	1,774,000	1,774,000	1,774,000	1,774,000	1,774,000	1,774,000	1,774,000	1,774,000
2. Price Contingency	L/C	10,344,000		0	250,000	622,000	1,075,000	1,274,000	1,487,000	1,716,000	1,960,000	1,960,000	1,960,000	1,960,000	1,960,000	1,960,000	1,960,000	1,960,000	1,960,000	1,960,000

TABLE D.1.12 DISBURSEMENT SCHEDULE OF RIO PAILON

Unit : Bs.

Item	Amount	Year										
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
A. Construction Cost	Total	0	0	0	1,376,000	1,376,000	56,178,000	70,956,000	58,631,000	73,943,000	20,454,000	
	L/C	0	0	0	545,000	545,000	20,631,000	25,954,000	21,466,000	27,618,000	7,857,000	
	F/C	0	0	0	830,000	830,000	35,548,000	45,002,000	37,166,000	46,322,000	12,600,000	
B. Land Acquisition	Total	0	0	0	0	0	0	0	0	0	0	0
	L/C	0	0	0	0	0	0	0	0	0	0	0
	F/C	0	0	0	0	0	0	0	0	0	0	0
C. Administration Cost (5% of Item A + B) L/C only	Total	0	0	0	69,000	69,000	2,809,000	3,548,000	2,932,000	3,697,000	1,022,000	
	L/C	0	0	0	69,000	69,000	2,809,000	3,548,000	2,932,000	3,697,000	1,022,000	
	F/C	0	0	0	0	0	0	0	0	0	0	
D. Engineering Cost (10% of Item A) L.C. 20%, F.C. 80%	Total	0	0	98,000	138,000	2,328,000	5,679,000	7,095,000	6,283,000	5,205,000	1,466,000	
	L/C	0	0	20,000	28,000	466,000	1,136,000	1,420,000	1,257,000	1,041,000	290,000	
	F/C	0	0	79,000	110,000	1,862,000	4,543,000	5,677,000	5,025,000	4,165,000	1,173,000	
Subtotal (1) (Item A+B+C+D)	Total	0	0	99,000	1,592,000	3,772,000	64,667,000	81,601,000	67,846,000	82,843,000	22,942,000	
	L/C	0	0	20,000	642,000	1,080,000	24,576,000	30,922,000	25,655,000	32,356,000	9,169,000	
	F/C	0	0	79,000	940,000	2,692,000	40,091,000	50,679,000	42,191,000	50,487,000	13,773,000	
E. Physical Contingency (15% of Subtotal (1))	Total	0	0	15,000	237,000	566,000	9,700,000	12,240,000	10,178,000	12,426,000	3,443,000	
	L/C	0	0	3,000	96,000	162,000	3,687,000	4,639,000	3,848,000	4,852,000	1,377,000	
	F/C	0	0	12,000	141,000	404,000	6,013,000	7,601,000	6,330,000	7,574,000	2,066,000	
Subtotal (2) (Item A+B+C+D+E)	Total	0	0	114,000	1,819,000	4,338,000	74,367,000	93,841,000	78,024,000	95,269,000	26,385,000	
	L/C	0	0	23,000	738,000	1,242,000	28,263,000	35,561,000	29,503,000	37,208,000	10,546,000	
	F/C	0	0	91,000	1,081,000	3,096,000	46,104,000	58,280,000	48,521,000	58,061,000	15,839,000	
F. Price Contingency (L/C=7%) (F/C=4%)	Total	0	0	22,000	531,000	1,444,000	31,686,000	47,020,000	45,277,000	63,870,000	29,150,000	
	L/C	0	0	7,000	297,000	622,000	17,120,000	25,539,000	24,737,000	35,986,000	11,651,000	
	F/C	0	0	15,000	234,000	822,000	14,566,000	21,481,000	20,540,000	27,884,000	17,499,000	
Total (Item A+B+C+D+E+F)	Total	0	0	136,000	2,350,000	5,782,000	106,053,000	140,861,000	123,301,000	159,139,000	55,535,000	
	L/C	0	0	30,000	1,035,000	1,864,000	45,383,000	61,100,000	54,240,000	73,194,000	22,197,000	
	F/C	0	0	106,000	1,315,000	3,918,000	60,670,000	79,761,000	69,061,000	85,945,000	33,338,000	
O.M. Cost	Total	0	0	0	0	21,000	45,000	1,014,000	2,390,000	3,712,000	5,528,000	5,958,000
	L/C	0	0	0	0	14,000	28,000	590,000	1,300,000	1,887,000	2,626,000	2,830,000
	F/C	0	0	0	0	7,000	17,000	424,000	1,090,000	1,825,000	2,902,000	3,128,000

TABLE D.1.13 DISBURSEMENT SCHEDULE OF RIO PAILON DOWNSTREAM

Unit : Bs.

Item	Amount	Year										
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011
A. Construction Cost	Total	219,013,000					54,753,000	65,704,000	54,753,000	43,803,000		
	L/C	80,262,000				0	20,066,000	24,079,000	20,066,000	16,051,000		
	F/C	138,751,000				0	34,688,000	41,625,000	34,688,000	27,750,000		
B. Land Acquisition	Total	0				0	0	0	0	0		
	L/C	0				0	0	0	0	0		
	F/C	0				0	0	0	0	0		
C. Administration Cost (5% of Item A + B) L/C only	Total	10,951,000				0	2,738,000	3,285,000	2,738,000	2,190,000		
	L/C	10,951,000				0	2,738,000	3,285,000	2,738,000	2,190,000		
	F/C	0				0	0	0	0	0		
D. Engineering Cost (10% of Item A) L.C.20%, F.C. 80%	Total	21,901,000				2,190,000	5,475,000	6,570,000	5,475,000	2,191,000		
	L/C	4,380,000				438,000	1,095,000	1,314,000	1,095,000	438,000		
	F/C	17,521,000				1,752,000	4,380,000	5,256,000	4,380,000	1,753,000		
Subtotal (1) (Item A+B+C+D)	Total	251,865,000				2,190,000	62,967,000	75,559,000	62,967,000	48,182,000		
	L/C	95,593,000				438,000	23,899,000	28,678,000	23,899,000	18,679,000		
	F/C	156,272,000				1,752,000	39,068,000	46,881,000	39,068,000	29,503,000		
E. Physical Contingency (15% of Subtotal (1))	Total	37,780,000				329,000	9,445,000	11,334,000	9,445,000	7,227,000		
	L/C	14,339,000				66,000	3,585,000	4,302,000	3,585,000	2,801,000		
	F/C	23,441,000				263,000	5,860,000	7,032,000	5,860,000	4,426,000		
Subtotal (2) (Item A+B+C+D+E)	Total	289,645,000				2,519,000	72,412,000	86,893,000	72,412,000	55,409,000		
	L/C	109,932,000				504,000	27,484,000	32,980,000	27,484,000	21,480,000		
	F/C	179,713,000				2,015,000	44,928,000	53,913,000	44,928,000	33,929,000		
F. Price Contingency (L/C=7%) (F/C=4%)	Total	154,318,000	0	0	0	787,000	30,843,000	43,557,000	42,063,000	37,068,000	0	0
	L/C	84,405,000	0	0	0	252,000	16,649,000	23,686,000	23,044,000	20,774,000	0	0
	F/C	69,913,000	0	0	0	535,000	14,194,000	19,871,000	19,019,000	16,294,000	0	0
(Item A+B+C+D+E+F)	Total	443,963,000	0	0	0	3,306,000	103,255,000	130,450,000	114,475,000	92,477,000	0	0
	L/C	194,337,000	0	0	0	756,000	44,133,000	56,666,000	50,528,000	42,254,000	0	0
	F/C	249,626,000	0	0	0	2,550,000	59,122,000	73,784,000	63,947,000	50,223,000	0	0
O.M. Cost 1.O.M. Cost 2. Price Contingency	Total	15,829,000				0	0	0	0	942,000	3,448,000	4,612,000
	L/C	7,888,000				0	0	0	0	548,000	1,753,000	2,191,000
	L/C	7,941,000				0	0	0	0	394,000	1,695,000	2,421,000

TABLE D.1.14 DISBURSEMENT SCHEDULE OF RIO PAILON UPSTREAM

Unit : Bs.

Item	Amount	Year												
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011		
A. Construction Cost	Total	41,572,000											24,943,000	16,629,000
	L/C	16,170,000											9,702,000	6,468,000
	F/C	25,402,000											15,241,000	10,161,000
B. Land Acquisition	Total	0											0	0
	L/C	0											0	0
	F/C	0											0	0
C. Administration Cost (5% of Item A + B) L/C only	Total	2,079,000											1,247,000	832,000
	L/C	2,079,000											1,247,000	832,000
	F/C	0											0	0
D. Engineering Cost (10% of Item A) L.C.20%, F.C. 80%	Total	4,157,000										416,000	2,494,000	1,247,000
	L/C	831,000										83,000	499,000	249,000
	F/C	3,326,000										333,000	1,996,000	997,000
Subtotal (1) (Item A+B+C+D)	Total	47,808,000										416,000	28,685,000	18,707,000
	L/C	19,080,000										83,000	11,448,000	7,549,000
	F/C	28,728,000										333,000	17,237,000	11,158,000
E. Physical Contingency (15% of Subtotal (1))	Total	7,171,000										0	4,303,000	2,866,000
	L/C	2,862,000										0	1,717,000	1,133,000
	F/C	4,309,000										0	2,586,000	1,673,000
Subtotal (2) (Item A+B+C+D+E)	Total	54,979,000										478,000	32,988,000	21,513,000
	L/C	21,942,000										95,000	13,165,000	8,682,000
	F/C	33,037,000										383,000	19,823,000	12,831,000
F. Price Contingency (L/C=7%) (F/C=4%)	Total	46,263,000	0	0	0	0	0	0	0	0	0	0	22,253,000	23,768,000
	L/C	22,405,000	0	0	0	0	0	0	0	0	0	0	12,733,000	9,592,000
	F/C	23,858,000	0	0	0	0	0	0	0	0	0	0	9,520,000	14,176,000
Total (Item A+B+C+D+E+F)	Total	101,242,000	0	0	0	0	0	0	0	0	0	0	55,241,000	45,281,000
	L/C	44,347,000	0	0	0	0	0	0	0	0	0	0	25,898,000	18,274,000
	F/C	56,895,000	0	0	0	0	0	0	0	0	0	0	29,343,000	27,007,000
O.M.Cost	Total	1,398,000										0	0	874,000
1.O.M.Cost	L/C	664,000										0	0	249,000
2.Price Contingency	L/C	734,000										0	0	415,000
												0	0	459,000

TABLE D.1.15 DISBURSEMENT SCHEDULE OF RANCHO CHICO

Unit : Bs.

Item	Amount	Year													
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011			
A. Construction Cost	Total	6,133,000										3,680,000	2,453,000		
	L/C	2,087,000										1,252,000	835,000		
	F/C	4,046,000										2,428,000	1,618,000		
B. Land Acquisition	Total	0										0	0		
	L/C	0										0	0		
	F/C	0										0	0		
C. Administration Cost (5% of Item A + B) L/C only	Total	307,000										184,000	123,000		
	L/C	307,000										184,000	123,000		
	F/C	0										0	0		
D. Engineering Cost (10% of Item A) L.C.20% F.C. 80%	Total	614,000									61,000	368,000	185,000		
	L/C	123,000									12,000	74,000	37,000		
	F/C	491,000									49,000	295,000	147,000		
Subtotal (1) (Item A+B+C+D)	Total	7,054,000									61,000	4,233,000	2,760,000		
	L/C	2,517,000									12,000	1,510,000	995,000		
	F/C	4,537,000									49,000	2,723,000	1,765,000		
E. Physical Contingency (15% of Subtotal (1))	Total	1,059,000									9,000	635,000	415,000		
	L/C	378,000									2,000	227,000	149,000		
	F/C	681,000									7,000	408,000	266,000		
Subtotal (2) (Item A+B+C+D+E)	Total	8,113,000									70,000	4,868,000	3,175,000		
	L/C	2,895,000									14,000	1,737,000	1,144,000		
	F/C	5,218,000									56,000	3,131,000	2,031,000		
F. Price Contingency (L/C-7%) (F/C-4%)	Total	4,246,000									26,000	2,401,000	1,819,000	0	0
	L/C	2,214,000									8,000	1,247,000	959,000	0	0
	F/C	2,032,000									18,000	1,154,000	860,000	0	0
Total (Item A+B+C+D+E+F)	Total	12,359,000									96,000	7,269,000	4,994,000	0	0
	L/C	5,109,000									22,000	2,984,000	2,103,000	0	0
	F/C	7,250,000									74,000	4,285,000	2,891,000	0	0
O.M. Cost 1.O.M. Cost 2. Price Contingency	Total	452,000									0	0	68,000	122,000	131,000
	L/C	223,000									0	0	37,000	62,000	62,000
	L/C	229,000									0	0	31,000	60,000	69,000

TABLE D.1.19 DISBURSEMENT SCHEDULE OF OKINAWA DRAINAGE

Unit : Es.

Item	Amount	Year										
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011
A. Construction Cost	Total	67,903,000	28,079,000	18,720,000	2,955,000	2,955,000	3,060,000	3,377,000	3,060,000	2,955,000	2,955,000	2,742,000
	L/C	23,178,000	9,460,000	6,307,000	1,038,000	1,038,000	1,075,000	1,186,000	1,075,000	1,038,000	961,000	
	F/C	44,725,000	18,619,000	12,413,000	1,917,000	1,917,000	1,985,000	2,191,000	1,985,000	1,917,000	1,781,000	
B. Land Acquisition	Total	0	0	0	0	0	0	0	0	0	0	
	L/C	0	0	0	0	0	0	0	0	0	0	
	F/C	0	0	0	0	0	0	0	0	0	0	
C. Administration Cost	Total	3,395,000	1,404,000	936,000	148,000	148,000	153,000	169,000	153,000	148,000	136,000	
(5% of Item A + B)	L/C	3,395,000	1,404,000	936,000	148,000	148,000	153,000	169,000	153,000	148,000	136,000	
L/C only	F/C	0	0	0	0	0	0	0	0	0	0	
D. Engineering Cost	Total	6,790,000	2,808,000	1,615,000	295,000	295,000	306,000	338,000	306,000	295,000	64,000	
(10% of Item A)	L/C	1,358,000	562,000	322,000	59,000	59,000	61,000	68,000	61,000	59,000	13,000	
L.C.20%, F.C. 80%	F/C	5,432,000	2,246,000	1,293,000	236,000	236,000	245,000	270,000	245,000	236,000	51,000	
Subtotal (1)	Total	78,088,000	32,291,000	21,271,000	3,398,000	3,398,000	3,519,000	3,884,000	3,519,000	3,398,000	2,942,000	
(Item A+B+C+D)	L/C	27,931,000	11,426,000	7,565,000	1,245,000	1,245,000	1,289,000	1,423,000	1,289,000	1,245,000	1,110,000	
	F/C	50,157,000	20,865,000	13,706,000	2,153,000	2,153,000	2,230,000	2,461,000	2,230,000	2,153,000	1,832,000	
E. Physical Contingency	Total	11,712,000	4,844,000	3,189,000	510,000	510,000	528,000	582,000	528,000	510,000	441,000	
(15% of Subtotal (1))	L/C	4,189,000	1,714,000	1,134,000	187,000	187,000	193,000	213,000	193,000	187,000	167,000	
	F/C	7,523,000	3,130,000	2,055,000	323,000	323,000	335,000	369,000	335,000	323,000	274,000	
Subtotal (2)	Total	89,800,000	37,135,000	24,460,000	3,908,000	3,908,000	4,047,000	4,466,000	4,047,000	3,908,000	3,383,000	
(Item A+B+C+D+E)	L/C	32,120,000	13,140,000	8,699,000	1,432,000	1,432,000	1,482,000	1,636,000	1,482,000	1,432,000	1,277,000	
	F/C	57,680,000	23,995,000	15,761,000	2,476,000	2,476,000	2,565,000	2,830,000	2,565,000	2,476,000	2,106,000	
F. Price Contingency	Total	26,438,000	5,953,000	5,381,000	1,112,000	1,374,000	1,708,000	2,218,000	2,329,000	2,574,000	3,738,000	
(L/C=7%)	L/C	13,082,000	2,957,000	2,704,000	576,000	717,000	898,000	1,175,000	1,243,000	1,385,000	1,411,000	
(F/C=4%)	F/C	13,356,000	2,996,000	2,677,000	536,000	657,000	810,000	1,043,000	1,086,000	1,189,000	2,327,000	
Total	Total	116,238,000	43,088,000	29,841,000	5,020,000	5,282,000	5,755,000	6,684,000	6,376,000	6,482,000	7,121,000	
(Item A+B+C+D+E+F)	L/C	45,202,000	16,097,000	11,403,000	2,008,000	2,149,000	2,380,000	2,811,000	2,725,000	2,817,000	2,688,000	
	F/C	71,036,000	26,991,000	18,438,000	3,012,000	3,133,000	3,375,000	3,873,000	3,651,000	3,665,000	4,433,000	
O.M.Cost	Total	8,707,000	0	368,000	656,000	747,000	848,000	960,000	1,090,000	1,228,000	1,377,000	
1.O.M.Cost	L/C	4,886,000	0	281,000	468,000	498,000	528,000	559,000	593,000	624,000	681,000	
2.Price Contingency	F/C	3,821,000	0	87,000	188,000	249,000	320,000	401,000	497,000	604,000	752,000	

TABLE D.1.20 DISBURSEMENT SCHEDULE OF OKINAWA MAIN DRAINAGE

Unit : Bs.

Item	Amount	Year																				
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011										
A. Construction Cost	Total	0	28,079,000	18,720,000																		
	L/C	0	9,460,000	6,307,000																		
	F/C	0	18,619,000	12,413,000																		
B. Land Acquisition	Total	0	0	0																		
	L/C	0	0	0																		
	F/C	0	0	0																		
C. Administration Cost (5% of Item A - B) L/C only	Total	2,340,000	1,404,000	936,000																		
	L/C	2,340,000	1,404,000	936,000																		
	F/C	0	0	0																		
D. Engineering Cost (10% of Item A) L.C.20%, F.C. 80%	Total	468,000	2,808,000	1,404,000																		
	L/C	94,000	562,000	280,000																		
	F/C	374,000	2,246,000	1,124,000																		
Subtotal (1) (Item A+B+C+D)	Total	53,819,000	32,291,000	21,060,000																		
	L/C	19,043,000	11,426,000	7,523,000																		
	F/C	34,776,000	20,865,000	13,537,000																		
E. Physical Contingency (15% of Subtotal (1))	Total	8,072,000	4,844,000	3,158,000																		
	L/C	14,000	1,714,000	1,128,000																		
	F/C	56,000	3,130,000	2,030,000																		
Subtotal (2) (Item A+B+C+D+E)	Total	61,891,000	37,135,000	24,218,000																		
	L/C	21,899,000	13,140,000	8,651,000																		
	F/C	39,992,000	23,995,000	15,567,000																		
F. Price Contingency (L/C=7%) (F/C=4%)	Total	11,337,000	5,953,000	5,333,000																		
	L/C	5,662,000	2,957,000	2,689,000																		
	F/C	5,675,000	2,996,000	2,644,000																		
Total (Item A+B+C+D+E+F)	Total	73,228,000	43,088,000	29,551,000																		
	L/C	27,561,000	16,097,000	11,340,000																		
	F/C	45,667,000	26,991,000	18,211,000																		
O.M. Cost	Total	7,033,000	0	368,000	656,000	702,000	752,000	804,000	860,000	921,000	985,000	985,000	985,000	985,000	985,000	985,000	985,000	985,000	985,000	985,000	985,000	985,000
	L/C	4,025,000	0	281,000	468,000	468,000	468,000	468,000	468,000	468,000	468,000	468,000	468,000	468,000	468,000	468,000	468,000	468,000	468,000	468,000	468,000	468,000
	L/C	3,008,000	0	87,000	188,000	234,000	284,000	336,000	392,000	453,000	517,000	517,000	517,000	517,000	517,000	517,000	517,000	517,000	517,000	517,000	517,000	517,000

TABLE D.1.22 DISBURSEMENT SCHEDULE OF SAN JUAN

Unit: Es.

Item	Amount	Year																		
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011								
A. Construction Cost																				
Total	81,323,000	1,410,000	6,599,000	6,217,000	4,896,000	6,518,000	9,944,000	16,849,000	16,915,000	10,861,000	1,114,000									
L/C	34,067,000	702,000	3,287,000	2,762,000	1,955,000	2,623,000	4,090,000	6,978,000	6,944,000	4,335,000	391,000									
F/C	47,256,000	708,000	3,312,000	3,455,000	2,941,000	3,895,000	5,856,000	9,871,000	9,971,000	6,526,000	721,000									
B. Land Acquisition																				
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L/C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F/C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. Administration Cost																				
Total	4,066,000	0	330,000	220,000	256,000	326,000	317,000	802,000	833,000	724,000	258,000									
L/C	4,066,000	0	330,000	220,000	256,000	326,000	317,000	802,000	833,000	724,000	258,000									
F/C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. Engineering Cost																				
Total	8,133,000	110,000	660,000	582,000	513,000	652,000	914,000	1,667,000	1,668,000	1,167,000	200,000									
L/C	1,627,000	22,000	132,000	116,000	103,000	131,000	184,000	334,000	333,000	233,000	39,000									
F/C	6,506,000	88,000	528,000	466,000	410,000	521,000	732,000	1,334,000	1,335,000	932,000	160,000									
E. Physical Contingency																				
Total	93,522,000	1,520,000	7,589,000	7,019,000	5,665,000	7,496,000	11,179,000	19,319,000	19,416,000	12,750,000	1,569,000									
L/C	39,760,000	724,000	3,749,000	3,098,000	2,314,000	3,080,000	4,591,000	8,114,000	8,110,000	5,292,000	688,000									
F/C	53,762,000	796,000	3,840,000	3,921,000	3,351,000	4,416,000	6,588,000	11,205,000	11,306,000	7,458,000	881,000									
F. Price Contingency																				
Total	14,028,000	228,000	1,138,000	1,053,000	851,000	1,125,000	1,677,000	2,898,000	2,912,000	1,913,000	233,000									
L/C	5,964,000	108,000	562,000	465,000	348,000	462,000	688,000	1,218,000	1,216,000	794,000	103,000									
F/C	8,064,000	120,000	576,000	588,000	503,000	663,000	989,000	1,680,000	1,696,000	1,119,000	130,000									
G. Subtotal (1)																				
Total	107,550,000	1,748,000	8,727,000	8,072,000	6,516,000	8,621,000	12,856,000	22,217,000	22,328,000	14,663,000	1,802,000									
L/C	45,724,000	832,000	4,311,000	3,563,000	2,662,000	3,542,000	5,279,000	9,332,000	9,326,000	6,086,000	791,000									
F/C	61,826,000	916,000	4,416,000	4,509,000	3,854,000	5,079,000	7,577,000	12,885,000	13,002,000	8,577,000	1,011,000									
H. Price Contingency																				
Total	50,983,000	195,000	1,521,000	1,874,000	1,907,000	3,122,000	5,592,000	11,453,000	13,323,000	10,005,000	1,991,000									
L/C	29,525,000	120,000	970,000	1,108,000	1,072,000	1,774,000	3,198,000	6,703,000	7,820,000	5,886,000	874,000									
F/C	21,458,000	75,000	551,000	766,000	835,000	1,348,000	2,394,000	4,750,000	5,503,000	4,119,000	1,117,000									
I. Total																				
Total	158,533,000	1,943,000	10,248,000	9,946,000	8,423,000	11,743,000	18,448,000	33,670,000	35,651,000	24,668,000	3,793,000									
L/C	75,249,000	952,000	5,281,000	4,671,000	3,734,000	5,316,000	8,477,000	16,035,000	17,146,000	11,972,000	1,665,000									
F/C	83,284,000	991,000	4,967,000	5,275,000	4,689,000	6,427,000	9,971,000	17,635,000	18,505,000	12,696,000	2,128,000									
J. O.M. Cost																				
Total	7,350,000	0	17,000	105,000	198,000	286,000	410,000	610,000	962,000	1,362,000	1,712,000									
L/C	3,866,000	0	14,000	80,000	141,000	190,000	255,000	355,000	523,000	693,000	813,000									
F/C	3,484,000	0	3,000	25,000	57,000	96,000	155,000	255,000	439,000	669,000	899,000									

TABLE D.1.23 DISBURSEMENT SCHEDULE OF ARROYO YAPACANICITO

Unit : Bs.

Item	Amount	Year											
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011	
A. Construction Cost	Total	28,242,000					3,621,000	9,885,000	9,885,000	9,885,000	4,851,000		
	L/C	12,083,000					1,549,000	4,229,000	4,229,000	2,076,000			
	F/C	16,159,000					2,072,000	5,656,000	5,656,000	2,775,000			
B. Land Acquisition	Total	0					0	0	0	0	0	0	0
	L/C	0					0	0	0	0	0	0	0
	F/C	0					0	0	0	0	0	0	0
C. Administration Cost (5% of Item A + B)	Total	1,412,000					0	494,000	494,000	494,000	424,000		
	L/C	1,412,000					0	494,000	494,000	424,000			
	F/C	0					0	0	0	0	0		
D. Engineering Cost (10% of Item A) L.C. 20%, F.C. 80%	Total	2,824,000					282,000	988,000	988,000	566,000			
	L/C	565,000					57,000	198,000	198,000	112,000			
	F/C	2,259,000					226,000	791,000	791,000	451,000			
Subtotal (1) (Item A+B+C+ D)	Total	32,478,000					3,904,000	11,368,000	11,368,000	5,838,000			
	L/C	14,060,000					1,606,000	4,921,000	4,921,000	2,612,000			
	F/C	18,418,000					2,298,000	6,447,000	6,447,000	3,226,000			
E. Physical Contingency (15% of Subtotal (1))	Total	4,872,000					586,000	1,705,000	1,705,000	876,000			
	L/C	2,109,000					241,000	738,000	738,000	392,000			
	F/C	2,763,000					345,000	967,000	967,000	484,000			
Subtotal (2) (Item A+B+C+D+E)	Total	37,350,000					4,490,000	13,073,000	13,073,000	6,714,000			
	L/C	16,169,000					1,847,000	5,659,000	5,659,000	3,004,000			
	F/C	21,181,000					2,643,000	7,414,000	7,414,000	3,710,000			
F. Price Contingency (L/C=7%) (F/C=4%)	Total	21,321,000	0	0	0	0	1,954,000	6,797,000	7,883,000	4,687,000	0	0	0
	L/C	12,833,000	0	0	0	0	1,119,000	4,064,000	4,745,000	2,905,000	0	0	0
	F/C	8,488,000	0	0	0	0	835,000	2,733,000	3,138,000	1,782,000	0	0	0
(Item A+B+C+D+E+F)	Total	58,671,000	0	0	0	0	6,444,000	19,870,000	20,956,000	11,401,000	0	0	0
	L/C	29,002,000	0	0	0	0	2,966,000	9,723,000	10,404,000	5,909,000	0	0	0
	F/C	29,669,000	0	0	0	0	3,478,000	10,147,000	10,552,000	5,492,000	0	0	0
O.M. Cost	Total	1,962,000					0	62,000	248,000	460,000	596,000		
	L/C	971,000					0	36,000	135,000	234,000	283,000		
	L/C	991,000					0	26,000	113,000	226,000	313,000		

TABLE D.1.24 DISBURSEMENT SCHEDULE OF SAN JUAN MAIN DRAINAGE(1)

Unit : Bs.

Item	Amount	Year																		
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011								
A. Construction Cost	Total	822,000	3,845,000	1,741,000																
	L/C	288,000	1,347,000	610,000																
	F/C	534,000	2,498,000	1,131,000																
B. Land Acquisition	Total	0	0	0																
	L/C	0	0	0																
	F/C	0	0	0																
C. Administration Cost	Total	0	192,000	128,000																
(5% of Item A + B)	L/C	0	192,000	128,000																
	F/C	0	0	0																
D. Engineering Cost	Total	64,000	385,000	192,000																
(10% of Item A.)	L/C	13,000	77,000	38,000																
L.C.20% F.C. 80%	F/C	51,000	308,000	154,000																
Subtotal (1)	Total	886,000	4,422,000	2,061,000																
(Item A+B+C+D)	L/C	301,000	1,616,000	776,000																
	F/C	585,000	2,806,000	1,285,000																
E. Physical Contingency	Total	133,000	663,000	309,000																
(15% of Subtotal (1))	L/C	45,000	242,000	117,000																
	F/C	88,000	421,000	192,000																
Subtotal (2)	Total	8,474,000	5,085,000	2,370,000																
(Item A+B+C+D+E)	L/C	3,097,000	1,858,000	893,000																
	F/C	5,377,000	3,227,000	1,477,000																
F. Price Contingency	Total	1,455,000	821,000	529,000																
(L/C=7%)	L/C	50,000	418,000	278,000																
(F/C=4%)	F/C	55,000	403,000	251,000																
Total	Total	1,124,000	5,906,000	2,899,000																
(Item A+B+C+D+E+F)	L/C	396,000	2,276,000	1,171,000																
	F/C	728,000	3,630,000	1,728,000																
O.M. Cost	Total	968,000	10,000	60,000	88,000	95,000	101,000	108,000	108,000	116,000	124,000	133,000	133,000							
1.O.M. Cost	L/C	558,000	8,000	46,000	63,000	63,000	63,000	63,000	63,000	63,000	63,000	63,000	63,000							
2. Price Contingency	L/C	410,000	2,000	14,000	25,000	32,000	38,000	45,000	45,000	53,000	61,000	70,000	70,000							

TABLE D.1.25 DISBURSEMENT SCHEDULE OF SAN JUAN MAIN DRAINAGE(2)

Unit : Bs.

Item	Amount	Year													
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011			
A. Construction Cost	Total	10,689,000			1,371,000	2,993,000	2,672,000	2,138,000	1,515,000						
	L/C	4,403,000			565,000	1,233,000	1,101,000	881,000	623,000						
	F/C	6,286,000			806,000	1,760,000	1,572,000	1,257,000	891,000						
B. Land Acquisition	Total	0			0	0	0	0	0						
	L/C	0			0	0	0	0	0						
	F/C	0			0	0	0	0	0						
C. Administration Cost	Total	534,000			80,000	150,000	134,000	107,000	63,000						
(5% of Item A + B)	L/C	534,000			80,000	150,000	134,000	107,000	63,000						
	F/C	0			0	0	0	0	0						
D. Engineering Cost	Total	1,069,000			160,000	299,000	267,000	214,000	129,000						
(10% of Item A)	L/C	214,000			32,000	60,000	54,000	43,000	25,000						
L.C.20%, F.C.80%	F/C	855,000			128,000	239,000	214,000	171,000	103,000						
Subtotal (1)	Total	12,292,000			1,611,000	3,442,000	3,075,000	2,459,000	1,705,000						
(Item A+B+C+D)	L/C	5,151,000			677,000	1,443,000	1,289,000	1,031,000	711,000						
	F/C	7,141,000			934,000	1,999,000	1,786,000	1,428,000	994,000						
E. Physical Contingency	Total	1,844,000			242,000	516,000	461,000	369,000	256,000						
(15% of Subtotal (1))	L/C	773,000			102,000	216,000	193,000	155,000	107,000						
	F/C	1,071,000			140,000	300,000	268,000	214,000	149,000						
Subtotal (2)	Total	14,136,000			1,853,000	3,958,000	3,536,000	2,828,000	1,961,000						
(Item A+B+C+D+E)	L/C	5,924,000			779,000	1,659,000	1,482,000	1,186,000	818,000						
	F/C	8,212,000			1,074,000	2,299,000	2,054,000	1,642,000	1,143,000						
F. Price Contingency	Total	6,162,000			547,000	1,441,000	1,547,000	1,457,000	1,170,000						
(L/C=7%)	L/C	3,581,000			314,000	831,000	898,000	852,000	686,000						
(F/C=4%)	F/C	2,581,000			233,000	610,000	649,000	605,000	484,000						
Total	Total	20,298,000			2,400,000	5,399,000	5,083,000	4,285,000	3,131,000						
(Item A+B+C+D+E+F)	L/C	9,505,000			1,093,000	2,490,000	2,380,000	2,038,000	1,504,000						
	F/C	10,793,000			1,307,000	2,909,000	2,703,000	2,247,000	1,627,000						
O.M. Cost	Total	1,043,000			0	21,000	71,000	122,000	169,000						
1.O.M. Cost	L/C	542,000			0	14,000	44,000	71,000	92,000						
2. Price Contingency	L/C	501,000			0	7,000	27,000	51,000	77,000						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0	0	0	0	0						
	L/C				0	0	0	0	0						
	F/C				0	0	0	0	0						
	Total				0</										

TABLE D.1.26 DISBURSEMENT SCHEDULE OF ARROYO TEJERIA

Unit : Bs.

Item	Amount	Year										
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011
A. Construction Cost	Total	6,212,000						797,000	1,864,000	2,485,000	1,066,000	
	L/C	2,173,000						279,000	652,000	869,000	373,000	
	F/C	4,039,000						518,000	1,212,000	1,616,000	693,000	
B. Land Acquisition	Total	0						0	0	0	0	
	L/C	0						0	0	0	0	
	F/C	0						0	0	0	0	
C. Administration Cost	Total	311,000						0	93,000	124,000	94,000	
(5% of Item A + B)	L/C	311,000						0	93,000	124,000	94,000	
	F/C	0						0	0	0	0	
D. Engineering Cost	Total	621,000						62,000	186,000	248,000	125,000	
(10% of Item A)	L/C	124,000						12,000	37,000	50,000	25,000	
L.C.20%, F.C. 80%	F/C	497,000						50,000	149,000	199,000	99,000	
Subtotal (1)	Total	7,144,000						859,000	2,143,000	2,858,000	1,284,000	
(Item A+B+C+D)	L/C	2,608,000						291,000	782,000	1,043,000	492,000	
	F/C	4,536,000						568,000	1,361,000	1,815,000	792,000	
E. Physical Contingency	Total	1,071,000						129,000	321,000	428,000	193,000	
(15% of Subtotal (1))	L/C	391,000						44,000	117,000	156,000	74,000	
	F/C	680,000						85,000	204,000	272,000	119,000	
Subtotal (2)	Total	8,215,000						988,000	2,464,000	3,286,000	1,477,000	
(Item A+B+C+D+E)	L/C	2,999,000						335,000	899,000	1,199,000	566,000	
	F/C	5,216,000						653,000	1,565,000	2,087,000	911,000	
F. Price Contingency	Total	5,692,000						0	482,000	1,416,000	1,632,000	
(L/C=7%)	L/C	2,780,000						0	241,000	754,000	862,000	
(F/C=4%)	F/C	2,912,000						0	241,000	662,000	770,000	
Total	Total	13,907,000						0	1,470,000	3,880,000	3,109,000	
(Item A+B+C+D+E+F)	L/C	5,779,000						0	576,000	1,653,000	1,191,000	
	F/C	8,128,000						0	894,000	2,227,000	1,918,000	
O.M. Cost	Total	310,000						0	0	15,000	109,000	133,000
1.O.M. Cost	L/C	150,000						0	0	8,000	52,000	65,000
2.Price Contingency	L/C	160,000						0	0	7,000	57,000	70,000

TABLE D.I.1.27 DISBURSEMENT SCHEDULE OF ROAD CUM EMBANKMENT

Unit : Bs.

Item	Amount	Year																		
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011								
A. Construction Cost	Total	4,590,000	2,754,000	1,248,000																
	L/C	3,233,000	1,940,000	879,000																
	F/C	1,357,000	814,000	369,000																
B. Land Acquisition	Total	0	0	0																
	L/C	0	0	0																
	F/C	0	0	0																
C. Administration Cost	Total	230,000	138,000	92,000																
(5% of Item A + B)	L/C	230,000	138,000	92,000																
	F/C	0	0	0																
D. Engineering Cost	Total	459,000	275,000	138,000																
(10% of Item A)	L/C	92,000	55,000	28,000																
L.C.20% F.C. 80%	F/C	367,000	220,000	110,000																
Subtotal (1)	Total	5,279,000	3,167,000	1,478,000																
(Item A+B+C+D)	L/C	3,555,000	2,133,000	999,000																
	F/C	1,724,000	1,034,000	479,000																
E. Physical Contingency	Total	792,000	475,000	222,000																
(15% of Subtotal (1))	L/C	63,000	320,000	150,000																
	F/C	259,000	155,000	72,000																
Subtotal (2)	Total	6,071,000	3,642,000	1,700,000																
(Item A+B+C+D+E)	L/C	4,088,000	2,453,000	1,149,000																
	F/C	1,983,000	1,189,000	551,000																
F. Price Contingency	Total	1,241,000	700,000	451,000																
(L/C-7%)	L/C	979,000	552,000	357,000																
(F/C-4%)	F/C	262,000	148,000	94,000																
Total	Total	7,312,000	4,342,000	2,151,000																
(Item A+B+C+D+E+F)	L/C	5,067,000	3,005,000	1,506,000																
	F/C	2,245,000	1,337,000	645,000																
O.M. Cost	Total	708,000	7,000	45,000																
1.O.M. Cost	L/C	408,000	6,000	34,000																
2. Price Contingency	L/C	300,000	1,000	11,000																
	F/C																			

TABLE D.I.28 DISBURSEMENT SCHEDULE OF SAN JUAN SECONDARY DRAINAGE

Unit : Bs.

Item	Amount	Year										
		2.001	2.002	2.003	2.004	2.005	2.006	2.007	2.008	2.009	2.010	2.011
A. Construction Cost	Total			3,228,000	3,525,000	3,525,000	3,651,000	4,029,000	3,651,000	3,525,000	48,000	
	L/C			1,273,000	1,390,000	1,390,000	1,440,000	1,589,000	1,440,000	1,390,000	18,000	
	F/C			1,955,000	2,135,000	2,135,000	2,212,000	2,440,000	2,212,000	2,135,000	28,000	
B. Land Acquisition	Total	0		0	0	0	0	0	0	0	0	0
	L/C	0		0	0	0	0	0	0	0	0	0
	F/C	0		0	0	0	0	0	0	0	0	0
C. Administration Cost	Total	1,259,000		0	176,000	176,000	183,000	201,000	183,000	176,000	164,000	
(5% of Item A + B)	L/C	1,259,000		0	176,000	176,000	183,000	201,000	183,000	176,000	164,000	
	F/C	0		0	0	0	0	0	0	0	0	
D. Engineering Cost	Total	2,519,000		252,000	353,000	353,000	365,000	403,000	365,000	353,000	75,000	
(10% of Item A)	L/C	504,000		50,000	71,000	71,000	73,000	81,000	73,000	71,000	14,000	
L.C.20%, F.C. 80%	F/C	2,015,000		202,000	282,000	282,000	292,000	322,000	292,000	282,000	61,000	
Subtotal (1)	Total	28,960,000		3,480,000	4,054,000	4,054,000	4,200,000	4,633,000	4,200,000	4,054,000	285,000	
(Item A+B+C+ D)	L/C	11,693,000		1,323,000	1,637,000	1,637,000	1,696,000	1,871,000	1,696,000	1,637,000	196,000	
	F/C	17,267,000		2,157,000	2,417,000	2,417,000	2,504,000	2,762,000	2,504,000	2,417,000	89,000	
E. Physical Contingency	Total	4,344,000		522,000	609,000	609,000	630,000	695,000	630,000	609,000	40,000	
(15% of Subtotal (1))	L/C	1,754,000		198,000	246,000	246,000	254,000	281,000	254,000	246,000	29,000	
	F/C	2,590,000		324,000	363,000	363,000	376,000	414,000	376,000	363,000	11,000	
Subtotal (2)	Total	33,304,000		4,002,000	4,663,000	4,663,000	4,830,000	5,328,000	4,830,000	4,663,000	325,000	
(Item A+B+C+D+E)	L/C	13,447,000		1,521,000	1,883,000	1,883,000	1,950,000	2,152,000	1,950,000	1,883,000	225,000	
	F/C	19,857,000		2,481,000	2,780,000	2,780,000	2,880,000	3,176,000	2,880,000	2,780,000	100,000	
F. Price Contingency	Total	15,112,000	0	894,000	1,360,000	1,681,000	2,091,000	2,717,000	2,854,000	3,156,000	359,000	
(L/C=7%)	L/C	8,606,000	0	473,000	738,000	943,000	1,181,000	1,546,000	1,635,000	1,821,000	249,000	
(F/C=4%)	F/C	6,506,000	0	421,000	602,000	738,000	910,000	1,171,000	1,219,000	1,335,000	110,000	
Total	Total	48,416,000	0	4,896,000	6,023,000	6,344,000	6,921,000	8,045,000	7,684,000	7,819,000	684,000	
(Item A+B+C+D+E+F)	L/C	22,053,000	0	1,994,000	2,641,000	2,826,000	3,131,000	3,698,000	3,585,000	3,704,000	474,000	
	F/C	26,363,000	0	2,902,000	3,382,000	3,518,000	3,790,000	4,347,000	4,099,000	4,115,000	210,000	
O.M. Cost	Total	2,359,000		0	45,000	101,000	164,000	239,000	329,000	425,000	528,000	
1.O.M. Cost	L/C	1,237,000		0	32,000	67,000	102,000	139,000	179,000	216,000	251,000	
2.Price Contingency	L/C	1,122,000		0	13,000	34,000	62,000	100,000	150,000	209,000	277,000	

TABLE D.1.29 DISBURSEMENT SCHEDULE OF ANTOFAGASTA

Unit : Bs.

Item	Amount	Year										
		2,001	2,002	2,003	2,004	2,005	2,006	2,007	2,008	2,009	2,010	2,011
A. Construction Cost	Total	2,424,000	11,347,000	8,600,000	5,550,000	12,068,000	7,668,000	6,392,000	8,765,000	10,247,000	2,828,000	
	L/C	1,080,000	5,055,000	3,679,000	2,256,000	4,834,000	3,074,000	2,444,000	3,255,000	3,735,000	970,000	
	F/C	1,344,000	6,292,000	4,921,000	3,325,000	7,235,000	4,594,000	3,948,000	5,530,000	6,513,000	1,855,000	
B. Land Acquisition	Total	0	0	0	0	0	0	0	0	0	0	0
	L/C	0	0	0	0	0	0	0	0	0	0	0
	F/C	0	0	0	0	0	0	0	0	0	0	0
C. Administration Cost	Total	3,795,000	568,000	378,000	189,000	604,000	472,000	216,000	439,000	513,000	416,000	
	L/C	3,795,000	568,000	378,000	189,000	604,000	472,000	216,000	439,000	513,000	416,000	
	F/C	0	0	0	0	0	0	0	0	0	0	
D. Engineering Cost	Total	7,588,000	1,135,000	837,000	516,000	1,207,000	805,000	594,000	876,000	1,025,000	404,000	
	L/C	1,517,000	227,000	167,000	104,000	242,000	160,000	118,000	175,000	205,000	81,000	
	F/C	6,071,000	908,000	670,000	413,000	965,000	644,000	474,000	701,000	820,000	325,000	
Subtotal (1)	Total	87,272,000	13,050,000	9,815,000	6,257,000	13,880,000	8,944,000	7,200,000	10,080,000	11,786,000	3,647,000	
	L/C	35,644,000	5,850,000	4,224,000	2,519,000	5,680,000	3,706,000	2,778,000	3,849,000	4,453,000	1,467,000	
	F/C	51,628,000	7,200,000	5,591,000	3,738,000	8,200,000	5,238,000	4,422,000	6,231,000	7,333,000	2,180,000	
E. Physical Contingency	Total	13,090,000	1,958,000	1,471,000	939,000	2,082,000	1,341,000	1,080,000	1,512,000	1,768,000	547,000	
	L/C	5,346,000	878,000	632,000	378,000	852,000	555,000	416,000	578,000	668,000	221,000	
	F/C	7,744,000	1,080,000	839,000	561,000	1,230,000	786,000	664,000	934,000	1,100,000	326,000	
Subtotal (2)	Total	100,362,000	15,008,000	11,286,000	7,196,000	15,962,000	10,285,000	8,280,000	11,592,000	13,554,000	4,194,000	
	L/C	40,990,000	6,728,000	4,856,000	2,897,000	6,532,000	4,261,000	3,194,000	4,427,000	5,121,000	1,688,000	
	F/C	59,372,000	8,280,000	6,430,000	4,299,000	9,430,000	6,024,000	5,086,000	7,165,000	8,433,000	2,506,000	
F. Price Contingency	Total	30,167,000	2,548,000	2,138,000	1,200,000	4,532,000	2,822,000	1,893,000	4,261,000	6,172,000	4,255,000	
	L/C	15,318,000	1,514,000	1,202,000	569,000	2,473,000	1,532,000	873,000	2,169,000	3,199,000	1,601,000	
	F/C	14,849,000	1,034,000	936,000	631,000	2,059,000	1,290,000	1,020,000	2,092,000	2,973,000	2,654,000	
Total	Total	130,529,000	17,556,000	13,444,000	8,396,000	20,494,000	13,107,000	10,173,000	15,853,000	19,726,000	8,449,000	
	L/C	56,308,000	8,242,000	6,058,000	3,466,000	9,005,000	5,793,000	4,067,000	6,596,000	8,320,000	3,289,000	
	F/C	74,221,000	9,314,000	7,386,000	4,930,000	11,489,000	7,314,000	6,106,000	9,257,000	11,406,000	5,160,000	
O.M. Cost	Total	7,779,000	29,000	180,000	313,000	419,000	642,000	820,000	996,000	1,237,000	1,541,000	1,602,000
	L/C	4,203,000	24,000	137,000	223,000	279,000	400,000	477,000	541,000	629,000	732,000	761,000
	F/C	3,576,000	5,000	43,000	90,000	140,000	242,000	343,000	455,000	608,000	809,000	841,000

