6. Water Quality Analysis

Table (1) Water Quality Analysis
Experiment Station of INAPA

Location: Monte Cristi M.1 - 1

No.	S.D.	A.D.	LOCATION	U.T TURB	U.C COLOR	PH	mg/ℓ T.S	mg/ℓ FE	mg/ℓ CU	mg/ℓ ZN	mg/ℓ CA	mg/ℓ MG	mg/ℓ SO_4	mg/ℓ CL
MW-1	11.10.90	12.10.90	M. CRISTI (RIO GUAYUBIN)	more than 5	more than 10	7.9		0.0	0.0	0.0	50.0	33.0		8.0
-2	〃	〃	M. CRISTI (POZO SANTA MARIA)	less than 1	less than 2	7.7		0.0	0.0	0.0	86.0	75.0		28.0
-3	11.11.90	〃	M. CRISTI (VILLA VASQUEZ) POZO PRIVADO	more than 5	more than 10	7.5		0.0	0.0	0.0	1,980.0	720.0		8,200.0
-4	〃	〃	M. CRISTI (PEPILLO, SALCEDO) POZO SANITA	less than 1	less than 2	8.1		0.0	0.0	0.0	43.0	94.0		220.0
-5	11.14.90	〃	M. CRISTI (GUAYUBIN) POZO AGUAS DE LA PAL	more than 5	more than 10	7.8		more than 10 less than 20	0.0	0.0	468.0	1,152.0		1,475.0
-6	〃	〃	PTC. PTA (TIBURCIO) MANANTIAL EL BARRIL	less than 1	less than 2	8.1		0.0	0.0	0.0	82.0	80.0		48.0
-7	〃	〃	M. CRISTI (LAGUNA EL COPEY)	more than 5	more than 10	7.1		0.5	0.0	0.0	57.0	11.0		4.0
-8	11.15.90	〃	M. CRISTI (POZO LA PINTA)	less than 1	2	7.9		1.0	0.0	0.5	101.0	122.0		162.0
-9	〃	〃	M. CRISTI (POZO SANTA CRUZ)	less than 1	less than 2	8.1		more than 0.2 less than 0.5	0.0	0.0	22.0	64.0		64.0
-10	1.11.91	1.18.91	M. CRISTI (OBRA DE TOMA)	more than 5	more than 10	7.6		0.0	0.0		90.0	148.0	320.0	64.0
-11	〃	〃	M. CRISTI (BATEY WALTERIO SED. PTA. TRATAMIENTO)	less than 1	2	8.2		0.0	0.0		57.0	129.0	168.0	195.0

Table (2) Water Quality Analysis

Experiment Station of INAPA

Location: Monte Cristi M.1 - 1

No.	S.D.	A.D.	LOCATION	mg/ℓ T. H	mg/ℓ NA	mg/ℓ K	mg/ℓ HCO_3	mg/ℓ CO_3	mg/ℓ CO_2	mg/ℓ $KMNO_4$	mg/ℓ NO_2-N	mg/ℓ NH_4-N	TOT. COLIF	FEC. COLIF
MW-1	11.10.90	12.10.90	M. CRISTI (RIO GUAYUBIN)	83.0	28.0	48.0	117.0	1.0	3.0	15.0	0.0	0.0	7.0	4.0
-2	〃	〃	M. CRISTI (POZO SANTA MARIA)	161.0	53.0	90.0	235.0	2.0	9.0	more than 5 less than 10	0.0	0.0	24.0	9.0
-3	11.11.90	〃	M. CRISTI (VILLA VASQUEZ) POZO PRIVADO	2,700.0	4,067.0	6,896.0	61.0	0.0	4.0	0.0	0.03	more than 1.6 less than 4	0.0	0.0
-4	〃	〃	M. CRISTI (PEPILLO, SALCEDO) POZO SANITA	137.0	144.0	245.0	141.0	2.0	2.0	5.0	0.0	0.0	0.0	0.0
-5	11.14.90	〃	M. CRISTI (GUAYUBIN) POZO AGUAS DE LA PAL	1,620.0	364.0	618.0	345.0	2.0	11.0	15.0	0.06	0.0	0.0	0.0
-6	〃	〃	PTC. PTA (TIBURCIO) MANANTIAL EL BARRIL	162.0	80.0	132.0	266.0	3.0	5.0	5.0	0.3	0.0	0.0	more than 101
-7	〃	〃	M. CRISTI (LAGUNA EL COPEY)	68.0	16.0	28.0	98.0	0.0	8.0	20.0	0.0	0.0	more than 100	6.0
-8	11.15.90	〃	M. CRISTI (POZO LA PINTA)	223.0	122.0	207.0	259.0	2.0	8.0	10.0	0.0	0.0	5.0	9.0
-9	〃	〃	M. CRISTI (POZO SANTA CRUZ)	86.0	73.0	125.0	325.0	5.0	5.0	5.0	0.0	0.0	0.0	0.0
-10	1.11.91	1.18.91	M. CRISTI (OBRA DE TOMA)	238.0	173.0	292.0	188.0	0.0	9.0	18.0	0.0			
-11	〃	〃	M. CRISTI (BATEY WALTERIO SED. PTA. TRATAMIENTO)	186.0	188.0	319.0	144.0	2.0	2.0	5.0	0.0			

Table (3) Water Quality Analysis
Experiment Station of INAPA

Location: Monte Cristi M.1 - 2

No.	S.D.	A.D.	LOCATION	U.T TURB	U.C COLOR	PH	mg/ℓ T.S	mg/ℓ FE	mg/ℓ CU	mg/ℓ ZN	mg/ℓ CA	mg/ℓ MG	mg/ℓ SO_4	mg/ℓ CL
MW-12	11.10.90	12.10.90	M. CRISTI (POZO LA PINTA)	1.0	less than 2	8.0		0.0	0.0	0.5	108.0	122.0		280.0
-13	〃	〃	M. CRISTI (RIO CHACUEY)	more than 5	more than 10	7.7		0.0	0.0	0.0	58.0	18.0		8.0
-14	〃	〃	M. CRISTI (POZO CARNERO)	more than 1	more than 2	8.4		0.0	0.0	0.5	36.0	66.0		70.0
-15	〃	〃	M. CRISTI (RIO CAÑA) GUAYUBIN	more than 2 less than 5	10.0	8.3		0.0	0.0	0.0	72.0	47.0		10.0
-16	〃	〃	M. CRISTI (RIO MACABONCITO) PALO BLANCO	less than 1	less than 2	8.0		0.0	0.0	0.0	68.0	61.0		40.0
-17	11.9.90	11.19.90	M. CRISTI (CAS TAÑUELA) CISTERNA LICEO	less than 1	more than 5 less than 10	8.2		0.0	0.0	0.0	47.0	21.0		9.0
-18	12.19.90	1.10.91	RIO YAQUE DEL NORTE M. CRISTY BATEY WALTERIO	less than 5	less than 10	7.7		0.2	0.0		100.0	80.0		38.0
-19	〃	〃	M. CRISTI (EL CERCADO RIO VALLE JUELO)	1	2	8.1		0.0	0.0		81.0	140.0		8.0
-20	〃	〃	M. CRISTI (BATEY LA JUDEA)	1	more than 2	7.9		0.0	0.0		95.0	95.0		42.0
-21	〃	〃	M. CRISTI (POZO SANTA MARIA)	1	2	7.7		0.0	0.0		38.0	248.0		36.0
-22	1.11.91	1.18.91	ENTRADA OBRA DE TOMA AC. GUAYUBIN, RIO GUAYUBINCITO	less than 1	2	8.0		0.0	0.0		62.0	43.0	450.0	14.0

Table (4) Water Quality Analysis
Experiment Station of INAPA

Location: Monte Cristi M.1 - 2

No.	S.D.	A.D.	LOCATION	mg/ℓ T. H	mg/ℓ NA	mg/ℓ K	mg/ℓ HCO_3	mg/ℓ CO_3	mg/ℓ CO_2	mg/ℓ $KMNO_4$	mg/ℓ NO_2-N	mg/ℓ NH_4-N	TOT. COLIF	FEC. COLIF
MW-12	11.10.90	12.10.90	M. CRISTI (POZO LA PINTA)	230.0	178.0	301.0	222.0	2.0	4.0	5.0	0.0	0.0	0.0	3.0
-13	〃	〃	M. CRISTI (RIO CHACUEY)	76.0	8.0	13.0	81.0	1.0	3.0		0.06	0.0	6.0	4.0
-14	〃	〃	M. CRISTI (POZO CARNERO)	102.0	214.0	363.0	457.0	13.0	4.0	5.0	0.0	0.0	27.0	3.0
-15	〃	〃	M. CRISTI (RIO CAÑA) GUAYUBIN	119.0	27.0	45.0	163.0	4.0	2.0	15.0	0.015	0.0	3.0	7.0
-16	〃	〃	M. CRISTI (RIO MACABONCITO) PALO BLANCO	126.0	46.0	79.0	169.0	2.0	3.0	more than 10 less than 15	0.03	0.0	5.0	8.0
-17	11.9.90	11.19.90	M. CRISTI (CAS TAÑUELA) CISTERNA LICEO	68.0	36.0	59.0	133.0	2.0	2.0	15.0	more than 0.03 less than 0.06	more than 0.4 less than 0.8	0.0	35.0
-18	12.19.90	1.10.91	RIO YAQUE DEL NORTE M. CRISTY BATEY WALTERIO	180.0			121.0	1.0	5.0					
-19	〃	〃	M. CRISTI (EL CERCADO RIO VALLE JUELO)	148.0			138.0	1.0	2.0					
-20	〃	〃	M. CRISTI (BATEY LA JUDEA)	190.0			113.0	1.0	2.0					
-21	〃	〃	M. CRISTI (POZO SANTA MARIA)	286.0	21.0	36.0	180.0	2.0	11.0					
-22	1.11.91	1.18.91	ENTRADA OBRA DE TOMA AC. GUAYUBIN, RIO GUAYUBINCITO	105.0	33.0	56.0	109.0	1.0	2.0	8.0	0.0			

Table (5) Water Quality Analysis

Experiment Station of INAPA

Location: Dajabon D1-1

No.	S.D.	A.D.	LOCATION	U.T TURB	U.C COLOR	PH	mg/ℓ T.S	mg/ℓ FE	mg/ℓ CU	mg/ℓ ZN	mg/ℓ CA	mg/ℓ MG	mg/ℓ SO_4	mg/ℓ CL
DW-1	11.12.90	12.10.90	DAJABON (POZO LA CIENEGA)	more than 5	more than 10	6.8		0.0	0.0	0.0	36.0	7.0		78.0
-2	〃	〃	DAJABON(POZO LOS ARRO YO)	less than 1	2	7.8		0.0	0.0	1.0	54.0	94.0		30.0
-3	11.13.90	〃	DAJABON (POZO LA CIENEGA)	2.0	more than 2 less than 5	8.4		0.0	0.0	0.0	112.0	190.0		106.0
-4	11.8.90	11.12.90	REST (RIO NEYTA)	more than 2 less than 5	more than 10	7.8		0.0	0.0	0.5				10.0
-5	〃	〃	REST (ARROYO MARIANO)	less than 2	more than 5 less than 10	7.7		0.0	0.0	0.0	60.0	50.0		9.0
-6	〃	〃	REST (POZO MARIANO CESTERO)	1	less than 2	6.5		0.3	0.0	more than 2 less than 5	10.0	35.0		6.0
-7	〃	〃	L. CABRERA (ARROYO ENERCLIZA)	2	more than 10	7.2		0.4	0.0	0.0	35.0	30.0		6.0
-8	〃	〃	L. CABRERA (RIO ARTIBONITO)	1	2	7.5		0.2	0.0	0.0	30.0	30.0	7.0	4.0
-9	〃	〃	L. CABRERA (POZO EL CAJUIL)	less than 1	less than 2	6.7		0.0	0.0	0.5	20.0	50.0	5.0	8.0
-10	〃	〃	L. CABRERA (EL CA JUIL) LOS POMOS	less than 1	less than 2	6.6		0.6	0.0	0.5	90.0	50.0		68.0
-11	〃	〃	L. CABRERA (POZO EL COROZO)	less than 1	less than	6.9		0.1	0.0	1.0	75.0	35.0		10.0
-12	〃	〃	L. CABRERA (POZO LA PEÑITA ABAJ	less than 1	less than 2	7.2		0.3	0.0	1.0	85.0	30.0	5.0	34.0
-13	〃	〃	L. CABRERA (PRESA CABESA DE CAB)	less than 5	more than 10	7.1		0.3	0.0	0.0	20.0	30.0		4.0

Table (6) Water Quality Analysis

Experiment Station of INAPA

Location: Dajabon D1 - 1

No.	S.D.	A.D.	LOCATION	mg/ℓ T. H	mg/ℓ NA	mg/ℓ K	mg/ℓ HCO_3	mg/ℓ CO_3	mg/ℓ CO_2	mg/ℓ $KMNO_4$	mg/ℓ NO_2-N	mg/ℓ NH_4-N	TOT. COLIF	FEC. COLIF
DW-1	11.12.90	12.10.90	DAJABON (POZO LA CIENEGA)	43.0	53.0	90.0	49.0	0.0	10.0	more than 15 less than 20	0.0	0.0	12.0	15.0
-2	〃	〃	DAJABON(POZO LOS ARROYO)	148.0	52.0	89.0	220.0	0.0	22.0	more than 5 less than 10	0.0	0.0	0.0	4.0
-3	11.13.90	〃	DAJABON (POZO LA CIENEGA)	302.0	77.0	130.0	311.0	9.0	2.0	5.0	0.0	0.0	0 0	13.0
-4	11.8.90	11.12.90	REST (RIO NEYTA)				121.0	1.0	4.0	10.0	0.0	0.0		
-5	〃	〃	REST (ARROYO MARIANO)	110.0	6.0	10.0	109.0	1.0	4.0	more than 5 less than 10	0.0	0.0		
-6	〃	〃	REST (POZO MARIANO CESTERO)	45.0	6.0	10.0	49.0	0.0	31.0	5.0	0.0	0.0		
-7	〃	〃	L. CABRERA (ARROYO ENEROLIZA)	65.0	12.0	20.0	82.0	0.0	10.0	more than 10 less than 15	0.0	0.0		
-8	〃	〃	L. CABRERA (RIO ARTIBONITO)	60.0	12.0	21.0	73.0	0.0	4.0	more than 5 less than 10	0.0	0.0		
-9	〃	〃	L. CABRERA (POZO EL CAJUIL)	70.0	17.0	28.0	90.0	0.0	36.0	5	0.0	0.0		
-10	〃	〃	L. CABRERA (EL CA JUIL) LOS POMOS	140.0	21.0	35.0	90.0	0.0	44.0	5	0.0	0.0		
-11	〃	〃	L. CABRERA (POZO EL COROZO)	110.0	12.0	21.0	122.0	0.0	30.0	5	0.0	0.0		
-12	〃	〃	L. CABRERA (POZO LA PEÑITA ABAJ	115.0	27.0	47.0	122.0	0.0	15.0	5	0.0	0.0		
-13	〃	〃	L. CABRERA (PRESA CABESA DE CAB)	50.0	4.0	7.0	54.0	0.0	8.0	more than 15 less than 20	0.0	0.0		

Table (7) Water Quality Analysis

Experiment Station of INAPA

Location: Dajabon 1 - 2

No.	S.D.	A.D.	LOCATION	U.T TURB	U.C COLOR	PH	mg/ℓ T.S	mg/ℓ FE	mg/ℓ CU	mg/ℓ ZN	mg/ℓ CA	mg/ℓ MG	mg/ℓ SO_4	mg/ℓ CL
DW-14	11.8.90	11.12.90	RIO ARTIBONITO (DON MIGUEL)	more than 5	more than 5	7.7		0.5	0.0	0.0	50.0	20.0	0.0	8.0
-15	11.9.90	11.19.90	DAJABON (POZO PINAL CLARO)	more than 5	more than 10	8.2		2.0	0.0	1.5	43.0	43.0		12.0
-16	〃	〃	S. DE CRUZ (POZO PINAL CLARO)	less than 1	2	7.5		0.0	0.0	more than 1 less than 2.0	54.0	79.0		25.0
-17	〃	〃	DAJABON (ARROYO CHACUELITO)	more than 1 less than 2	more than 10	8.2		0.0	0.0	0.0	25.0	51.0		9.0
-18		〃	L. INDIOS (RIO CHACUEY)	less than 1	10	8.2		0.0	0.0	0.0	36.0	50.0		11.0
-19	〃	〃	PARTIDO (POZO LOS INDIOS)	less than 1	less than 2	8.2		0.0	0.0	0.5	50.0	108.0		25.0
-20	〃	〃	DAJABON (POZO TAHUIQUE)	less than 1	5	8.1		0.0	0.0	0.5	36.0	54.0		7.0
-21	〃	〃	DAJABON (POZO PARTIDO ABAJO)	more than 5	more than 10	7.6		more than 5 less than 10	0.0	3.0	90.0	115.0		12.0
-22	〃	〃	HIGUERO (RIO MAGUACA)	less than 1	10	8.0		0.0	0.0	0.0	32.0	36.0		10.0
-23	〃	〃	PARTIDO ARROYO NARANJO	less than 1	5	8.2		more than 0.2 less than 0.5	0.0	0.0	58.0	43.0		8.0
-24	〃	〃	PARTIDO RIO AMINILLA	less than 1	less than 2	8.2		more than 0.2 less than 0.5	0.0	less than 5	47.0	61.0		5.0
-25	〃	〃	DAJABON POZO (BUEN GUSTO)	less than 1	less than 2	7.8		0.0	0.0	less than 5	58.0	43.0		10.0
-26	〃	〃	GUANITO (RIO TAHUIQUE)	1.0	less than 2	8.2		more than 0.5 less than 1.0	0.0	1.0	32.0	159.0		16.0

Table (8) Water Quality Analysis
Experiment Station of INAPA

Location: Dajabon 1 - 2

No.	S.D.	A.D.	LOCATION	mg/ℓ T. H	mg/ℓ NA	mg/ℓ K	mg/ℓ HCO_3	mg/ℓ CO_3	mg/ℓ CO_2	mg/ℓ $KMNO_4$	mg/ℓ NO_2-N	mg/ℓ NH_4-N	TOT. COLIF	FEC. COLIF
DW-14	11.8.90	11.12.90	RIO ARTIBONITO (DON MIGUEL)	70.0	10.0	16.0	79.0	1.0	3.0	more than 5 less than 10	0.0	0.0		
-15	11.9.90	11.19.90	DAJABON (POZO PINAL CLARO)	86.0	30.0	51.0	134.0	1.0	2.0	more than 15 less than 20	0.0	0.5	12.0	36.0
-16	〃	〃	S. DE CRUZ (POZO PINAL CLARO)	133.0	40.0	67.0	184.0	0.0	12.0	5.0	0.0	0.5	3.0	0.0
-17	〃	〃	DAJABON (ARROYO CHACUELITO)	76.0	48.0	82.0	116.0	2.0	1.0	15.0	0.0	0.5	12.0	13.0
-18		〃	L. INDIOS (RIO CHACUEY)	86.0	28.0	47.0	129.0	2.0	2.0	more than 10 less than 15	0.0	0.5	15.0	10.0
-19	〃	〃	PARTIDO (POZO LOS INDIOS)	158.0	46.0	78.0	229.0	4.0	3.0	50.0	0.0	0.5	7.0	2.0
-20	〃	〃	DAJABON (POZO TAHUIQUE)	90.0	21.0	36.0	124.0	2.0	2.0	10.0	0.0	0.5	9.0	9.0
-21	〃	〃	DAJABON (POZO PARTIDO ABAJO)	205.0	58.0	98.0	313.0	1.0	15.0	more than 15 less than 20	0.0	7.1	0.0	0.0
-22	〃	〃	HIGUERO (RIO MAGUACA)	68.0	29.0	50.0	117.0	1.0	2.0	15	0.0	0.5	12.0	9.0
-23	〃	〃	PARTIDO ARROYO NARANJO	101.0	41.0	69.0	175.0	3.0	2.0	more than 5 less than 10	0.0	0.5	10.0	22.0
-24	〃	〃	PARTIDO RIO AMINILLA	108.0	21.0	35.0	143.0	3.0	2.0	10.0	0.0	0.5	39.0	12.0
-25	〃	〃	DAJABON POZO (BUEN GUSTO)	101.0	18.0	30.0	125.5	1.0	4.0	5.0	0.0	0.5	0.0	0.0
-26	〃	〃	GUANITO (RIO TAHUIQUE)	191.0	27.0	46.0	224.0	4.0	3.0	5.0	0.0	0.5	17.0	0.0

Table (9) Water Quality Analysis
Experiment Station of INAPA

Location: Dajabon 1 - 3

No.	S.D.	A.D.	LOCATION	U.T TURB	U.C COLOR	PH	mg/ℓ T.S	mg/ℓ FE	mg/ℓ CU	mg/ℓ ZN	mg/ℓ CA	mg/ℓ MG	mg/ℓ SO_4	mg/ℓ CL
DW-27	11.12.90	12.10.90	DAJABON (POZO COYUCO)	less than 1	less than 2	8.0		0.2	0.0	0.5	50.0	80.0		46.0
-28	11.10.90	〃	LOS CAYUCOS (POZO PRIVADO)	less than 1	less than 5	7.2		0.0	0.0	more than 5 less than 10	207.0	47.0		96.0
-29	〃	〃	DAJABON (POZO LOS CAYUCOS)	less than 1	less than 2	7.8		0.5	0.0	1.0	198.0	115.0		100.0
-30	〃	〃	DAJABON (POZO PALO BLANCO)	1	2	8.1		0.5	0.0	0.0	158.0	184.0		88.0
-31	11.9.90	11.19.90	CAMPECHE (POZO CANDELON)	less than 1	less than 2	8.4		0.0	0.0	1.0	50.0	72.0		17.0
-32	11.10.90	12.10.90	GUANITO (POZO PRIVADO) DAJABON	more than 5	more than 10	7.5		2.0	0.0	0.0	133.0	515.0		400.0
-33	〃	〃	GUANITO (ARROYO GAZUELA) DAJABON	less than 1	2	8.2		0.2	0.0	0.5	126.0	137.0		62.0
-34	〃	〃	DAJABON (POZO GOZUELA)	less than 1	less than 2	8.2		0.0	0.0	0.0	126.0	126.0		64.0
-35	11.9.90	11.19.90	DAJABON (POZO CHAQUEY)	less than 1	less than 2	8.2		0.0	0.0	more than 0.5 less than 1.0	68.0	105.0		29.0
-36	〃	〃	DAJABON (POZO CAMPECHE)	less than 1	2	8.4		0.0	0.0	0.5	50.0	112.0		24.0
-37	12.19.90	1.10.91	ACOMETIDA DAJABON, ASENT, AGRARIO	1	more than 2	8.0		0.0	0.0		57.0	95.0		20.0
-38	1.11.91	1.18.91	AC, DAJABON. DON MIGUEL OBRA DE TOMA	less than 1	2	8.5		0.0	0.0		43.0	38.0	0.0	60.0
-39	11.20.90	12.17.90	POZO LA POCILGA (LOS JOBOS)	1	2	8.2		0.0	0.0	more than 0.5 less than 1.0	58.0	7.0		90.0

Table (11) Water Quality Analysis

Experiment Station of INAPA

Location: Elias Piña 1 - 1

No.	S.D.	A.D.	LOCATION	U.T TURB	U.C COLOR	PH	mg/ℓ T.S	mg/ℓ FE	mg/ℓ CU	mg/ℓ ZN	mg/ℓ CA	mg/ℓ MG	mg/ℓ SO_4	mg/ℓ CL
EW-1	11.19.90	12.17.90	ELIAS PIÑA LOS MOLINOS (SEC.OLIVERO)	less than 1	2	8.0		0.2	0.0	0.5	122.0	26.0		8.0
-2	〃	〃	LAS M. DE FARFAN RIO ARROYO DEL YANO (EL REBOSO)	1	2	8.0		0.2	0.0	less than 0.5	86.0	54.0		6.0
-3	〃	〃	ELIAS PIÑA AGUAS CRUDA (PTA. TRAT)	more than 5	more than 10	7.8		0.5	0.0	less than 0.5	61.0	43.0		6.0
-4	〃	〃	LAS M. FARFAN (POZO LOS JOBOS)	less than 1	2	7.6		0.2	0.0	more than 0.5 less than 1.0	90.0	163.0		44.0
-5	11.20.90	〃	RIO MACASIA CERCA DE POTRO BLANCO	more than 5	more than 10	8.4		0.2	0.0	0.0	86.0	22.0		22.0
-6	〃	〃	POZO LOS CIMARRONES	1	2	8.0		0.5	0.0	0.5	65.0	7.0		213.0
-7	〃	〃	POZO I LA JAGUITA (LAS M. DE FARFAN)	less than 1	less than 2	7.5		0.5	0.0	1.0	76.0	63.0		32.0
-8	〃	〃	POZO II LA JAGUITA (LAS M. DE FARFAN)	1	2	7.6		0.5	0.0	0.5	61.0	43.0		14.0
-9	〃	〃	POZO III LA JAGUITA (LAS M. DE FARFAN)	less than 1	2	7.8		0.2	0.0	0.5	58.0	7.0		14.0
-10	〃	〃	POZO LA LAJITA (HIGUERITO) BANICA	less than 1	2	7.8		0.0	0.0	0.5	79.0	7.0		14.0

Table (10) Water Quality Analysis

Experiment Station of INAPA

Location: Dajabon 1 - 3

No.	S.D.	A.D.	LOCATION	mg/ℓ T. H	mg/ℓ NA	mg/ℓ K	mg/ℓ HCO_3	mg/ℓ CO_3	mg/ℓ CO_2	mg/ℓ $KMNO_4$	mg/ℓ NO_2-N	mg/ℓ NH_4-N	TOT. COLIF	FEC. COLIF
DW-27	11.12.90	12.10.90	DAJABON (POZO COYUCO)	130.0	97.0	165.0	274.0	3.0	5.0	more than 5 less than 10	0.0	0.0	4	3
-28	11.10.90	〃	LOS CAYUCOS (POZO PRIVADO)	254.0	105.0	177.0	347.0	0.0	42.0	5.0		0.0	0.0	0.0
-29	〃	〃	DAJABON (POZO LOS CAYUCOS)	313.0	55.0	93.0	341.0	2.0	10.0	5.0	0.0	0.0	0.0	13
-30	〃	〃	DAJABON (POZO PALO BLANCO)	342.0	78.0	132.0	383.0	5.0	6.0		0.0	0.0	27	3
-31	11.9.90	11.19.90	CAMPECHE (POZO CANDELON)	122.0	62.0	105.0	229.0	4.0	2.0	5.0	0.0	0.0	22	0.0
-32	11.10.90	12.10.90	GUANITO (POZO PRIVADO) DAJABON	648.0			73.0	0.0	4.0		0.0	0.0	5	4
-33	〃	〃	GUANITO (ARROYO GAZUELA) DAJABON	263.0	22.0	37.0	222.0	2.0	4.0	5.0	0.0	0.0	2	1
-34	〃	〃	DAJABON (POZO GOZUELA)	252.0	110.0	186.0	394.0	7.0	5.0	5.0	0.0	0.0	0.0	0.0
-35	11.9.90	11.19.90	DAJABON (POZO CHAQUEY)	173.0	63.0	107.0	265.0	4.0	3.0	5.0	0.006	0.4	2	0.0
-36	〃	〃	DAJABON (POZO CAMPECHE)	162.0	61.0	103.0	254.0	7.0	2.0	5.0	0.0	0.0	5	77
-37	12.19.90	1.10.91	ACOMETIDA DAJABON, ASENT, AGRARIO	176.0	93.0	156.0	350.0	4.0	7.0					
-38	1.11.91	1.18.91	AC, DAJABON. DON MIGUEL OBRA DE TOMA	81.0	16.0	26.0	95.0	3.0	1.0	12.0	0.0			
-39	11.20.90	12.17.90	POZO LA POCILGA (LOS JOBOS)	650.0	227.0	385.0	425.0	8.0	5.0	more than 5 less than 10	0.0	0.0	4	more than 101

Table (12) Water Quality Analysis
Experiment Station of INAPA

Location: Elias Piña 1-1

No.	S.D.	A.D.	LOCATION	mg/ℓ T.H	mg/ℓ NA	mg/ℓ K	mg/ℓ HCO_3	mg/ℓ CO_3	mg/ℓ CO_2	mg/ℓ $KMNO_4$	mg/ℓ NO_2-N	mg/ℓ NH_4-N	TOT. COLIF	FEC. COLIF
EW-1	11.19.90	12.17.90	ELIAS PIÑA LOS MOLINOS (SEC.OLIVERO)	148.0	42.0	129.0	226.0	2.0	4.0	5.0	more than 0.03 less than 0.06	0.0	0.0	13.0
-2	〃	〃	LAS M. DE FARFAN RIO ARROYO DEL YANO (EL REBOSO)	140.0	37.0	62.0	218.0	2.0	4.0	more than 15 less than 20	0.0	0.0	46.0	19.0
-3	〃	〃	ELIAS PIÑA AGUAS CRUDA (PTA. TRAT)	104.0	26.0	48.0	150.0	1.0	5.0	20.0	0.0	0.0	19.0	27.0
-4	〃	〃	LAS M. FARFAN (POZO LOS JOBOS)	253.0	73.0	123.0	366.0	1.0	18.0	more than 5 less than 20	0.0	0.0	23.0	1.0
-5	11.20.90	〃	RIO MACASIA CERCA DE POTRO BLANCO	108.0	74.0	125.0	231.0	6.0	2.0	20.0	0.03	0.0	2.0	11.0
-6	〃	〃	POZO LOS CIMARRONES	72.0	334.0	566.0	495.0	5.0	10.0	20.0	0.0	0.0	more than 101	13.0
-7	〃	〃	POZO I LA JAGUITA (LAS M. DE FARFAN)	133.0	87.0	148.0	256.0	1.0	16.0	5.0	0.0	0.0	10.0	6.0
-8	〃	〃	POZO II LA JAGUITA (LAS M. DE FARFAN)	104.0	73.0	125.0	244.0	1.0	12.0	more than 5.0	0.0	0.0	11.0	6.0
-9	〃	〃	POZO III LA JAGUITA (LAS M. DE FARFAN)	65.0	89.0	151.0	263.0	2.0	8.0	5.0	0.0	0.0	5.0	3.0
-10	〃	〃	POZO LA LAJITA (HIGUERITO) BANICA	86.0	108.0	183.0	300.0	2.0	9.0	5.0	0.0	0.0	2.0	0.0

Table (13) Water Quality Analysis
Experiment Station of INAPA

Location: Elias Piña 1 - 2

No.	S.D.	A.D.	LOCATION	U. T TURB	U. C COLOR	PH	mg/ℓ T. S	mg/ℓ FE	mg/ℓ CU	mg/ℓ ZN	mg/ℓ CA	mg/ℓ MG	mg/ℓ SO_4	mg/ℓ CL
EW-11	11.21.90	12.17.90	ELIAS PIÑA POZO PINZO	less than 1	less than 2	8.0		0.2	0.0	0.5	58.0	29.0		12.0
-12	〃	〃	RIO MACACIAS (EN LAMESDERO)	more than 5	more than 10	8.0		0.2	0.0	less than 0.5	108.0	29.0		106.0
-13	〃	〃	POZO RINCONCITO	more than 5	more than 10	7.5		more than 0.5 less than 1.0	0.0	5.0	154.0	76.0		16.0
-14	〃	〃	RIO ARTIBONITO (CERCA DE GUARDA)	more than 5	more than 10	7.7		0.3	0.0	0.0	65.0	72.0		4.0
-15		〃	POZO PILON ABAJO	more than 5	more than 10	7.7		0.1	0.0	0.5	58.0	36.0		146.0
-16	〃	〃	RIO ARROYO PILON	1	2	8.0		0.0	0.0	0.0	86.0	116.0		14.0
-17	〃	1.2.91	ELIAS PIÑA PROYECTO JICA	1	2	7.7		0.0	0.0	0.0	124.0	28.0		4.0
-18	12.19.90	1.10.91	HONDO VALLE, LOS GUINEOS RIÓ CAÑO	more than 1	more than 2	7.6		0.0	0.0		138.0	28.0		2.0
-19	〃	〃	ELIAS PIÑA. AC. ELIAS PIÑA	1	more than 2	7.6		0.0	0.0		57.0	81.0		6.0
-20	1.11.91	1.18.91	PEDRO SANTANA. RIO ARTIBONITO OBRA DE TOMA	less than 1	more than 2	8.5		0.0	0.0		62.0	28.0	0.0	4.0

Table (14) Water Quality Analysis
Experiment Station of INAPA

Location: Elias Piña 1-2

No.	S.D.	A.D.	LOCATION	mg/ℓ T. H	mg/ℓ NA	mg/ℓ K	mg/ℓ HCO_3	mg/ℓ CO_3	mg/ℓ CO_2	mg/ℓ $KMNO_4$	mg/ℓ NO_2-N	mg/ℓ NH_4-N	TOT. COLIF	FEC. COLIF
EW-11	11.21.90	12.17.90	ELIAS PIÑA POZO PINZO	87.0	175.0	896.0	471.0	5.0	9.0	5.0	0.0	0.0	4.0	5.0
-12	〃	〃	RIO MACACIAS (EN LAMESDERO)	137.0	78.0	133.0	157.0	2.0	30.0	more than 15 less than 20	0.015	0.0	18.0	more than 10
-13	〃	〃	POZO RINCONCITO	230.0	56.0	96.0	329.0	1.0	20.0	5.0	0.0	0.0	48.0	〃
-14	〃	〃	RIO ARTIBONITO (CERCA DE GUARDA)	137.0			101.0	1.0	4.0	20.0	more than 0.06 less than 0.15	0.0	0.0	〃
-15		〃	POZO PILON ABAJO	94.0	188.0	320.0	264.0	1.0	10.0	20.0	0.0	0.0	5.0	〃
-16	〃	〃	RIO ARROYO PILON	202.0			165.0	2.0	3.0	15.0	0.0	0.0	12.0	26.0
-17	〃	1.2.91	ELIAS PIÑA PROYECTO JICA	152.0	12.0	21.0	118.0	0.0	5.0	5	0.0	0.0		
-18	12.19.90	1.10.91	HONDO VALLE, LOS GUINEOS RIÓ CAÑO	166.0			163.0	0.0	8.0					
-19	〃	〃	ELIAS PIÑA. AC. ELIAS PIÑA	138.0	8.0	14.0	147.0	0.0	7.0					
-20	1.11.91	1.18.91	PEDRO SANTANA. RIO ARTIBONITO OBRA DE TOMA	90.0	28.0	48.0	107.0	0.0	6.0	10.0	0.0			

Table (15) Water Quality Analysis
Experiment Station of INAPA

Location: Independencia 1 - 1

No.	S.D.	A.D.	LOCATION	U.T TURB	U.C COLOR	PH	mg/ℓ T. S	mg/ℓ FE	mg/ℓ CU	mg/ℓ ZN	mg/ℓ CA	mg/ℓ MG	mg/ℓ SO_4	mg/ℓ CL
IW -1	12.27.90	1.2.91	LA DESCUBIERTA, LAS BACIAS M.	less than 1	2	7.2		0.0	0.0	0.5	138.0	0.0		2.0
-2	〃	〃	INDEPENDENCIA, BOCA DE CACHÓN M.	1	less than 2	6.7		0.0	0.0	0.0	124.0	109.0		66.0
-3	〃	〃	DUVERGE. AGUA AZUFRADA M.	less than 1	less than 2	7.6		0.0	0.0	0.0	119.0	119.0		54.0
-4	〃	〃	BAHORUCO, LAGO ENRIQUILLO	more than 5	more than 10	7.7		0.0	0.0	0.0	880.0	6,855.0		35,998.0
-5	〃	〃	JIMANI. SALIDA PTA DE TRATAM	more than 5	more than 10	7.9		0.0	0.0	0.0	200.0	14.0		4,200.0
-6	1.11.91	1.18.91	INDEPENDENCIA, GUAYABAL MANANTIAL EL CACHON	1	2	7.2		0.0	0.0		86.0	109.0	0.0	6.0
-7	〃	〃	AC. JIMANI, CANAL DE ENTRADA A LA PLANTA	NTU 275.0	less than 5	7.9		0.0	0.0		29.0	80.0	25.0	4.0
-8	〃	〃	INDEPENDENCIA JIMANI VIEJO	less than 1	less than 2	7.9		0.0	0.0		67.0	142.0	55.0	62.0
-9	〃	〃	LA DESCUBIERTA AC. ANGEL FELIZ	less than 1	less than 2	7.9		0.0	0.0		185.0	34.0	0.0	8.0

Table (16) Water Quality Analysis
Experiment Station of INAPA

Location: Independencia 1 - 1

No.	S.D.	A.D.	LOCATION	mg/ℓ T. H	mg/ℓ NA	mg/ℓ K	mg/ℓ HCO_3	mg/ℓ CO_3	mg/ℓ CO_2	mg/ℓ $KMNO_4$	mg/ℓ NO_2-N	mg/ℓ NH_4-N	TOT. COLIF	FEC. COLIF
IW -1	12.27.90	1.2.91	LA DESCUBIERTA, LAS BACIAS M.	138.0	14.0	23.0	167.0	0.0	20.0	5.0	0.0	0.0		
-2	〃	〃	INDEPENDENCIA, BOCA DE CACHÓN M.	233.0	45.0	76.0	228.0	0.0	110.0	5.0	0.0	0.0		
-3	〃	〃	DUVERGE. AGUA AZUFRADA M.	238.0	18.0	29.0	199.0	1.0	10.0	5.0	0.0	0.0		
-4	〃	〃	BAHORUCO, LAGO ENRIQUILLO	7,735	19,723	33,443	213.0	1.0	8.0	5.0	0.0	0.0		
-5	〃	〃	JIMANI. SALIDA PTA DE TRATAM	214.0	2,664	4,518	125.0	1.0	3.0	15.0	0.0	0.0		
-6	1.11.91	1.18.91	INDEPENDENCIA, GUAYABAL MANANTIAL EL CACHON	195.0	6.0	10.0	200.0	0.0	240.0	5.0	0.0			
-7	〃	〃	AC. JIMANI, CANAL DE ENTRADA A LA PLANTA	109.0	5.0	8.0	198.0	2.0	5.0	8.0	0.0			
-8	〃	〃	INDEPENDENCIA JIMANI VIEJO	209.0	69.0	117.0	214.0	2.0	5.0	5.0	0.0			
-9	〃	〃	LA DESCUBIERTA AC. ANGEL FELIZ	219.0	6.0	9.0	218.0	2.0	6.0	5.0	0.0			

INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS
DIVISION DE INVESTIGACION Y CONTROL CALIDAD DE AGUA
LABORATORIO
-REPORTE DE ANALISIS DE AGUA GENERAL-
(FISICO-QUIMICO-MICROBIOLOGICO-PLANKTON)

Laboratorio de: INAPA
No. FQC-1-6
Muestra procedente de:
Recolección por: JICA.
Provincia: Independencia
Fecha: 8/1/92.
Municipio: Indenpendencia
Hora: 5:00 PM.
Sección: Angostura.
Fecha de análisis:
Paraje:
Lugar: Pozo.
CLASIFICACION: Pozo. Estudio de Fuente.

DETERMINACIONES FISICO-QUIMICAS	ANALISIS	NORMAS
Turbiedad Unid.	40.0 NTU.	5-25 (a) (b)
Color Und.	88.0 UDC.	5-50 (a) (b)
pH	7.1	6,5-9,2 (a) (b)
Olor		Ninguno
Temperatura °C		
Cloro residual		0,2-1,0 (a) (b)
Sólidos totales		500-1500 (a) (b)
CO_2	23.0	
Calcio ($CaCO_3$)	3,209.0	187.5-500 (a) (b)
Magnesio ($CaCO_3$)	3,668.0	125-600 (a) (b)
Hierro (Fe)	0.7	0.1-1,0 (a) (b)
Manganeso (Mn)		0,05-0,5 (a) (b)
Sodio (Na) Calc.	49,151.0	
Carbonatos ($CaCO_3$)	1.0	
Bicarbonatos ($CaCO_3$)	151.0	
Sulfatos ($SO_4^{=}$)	18,500.0	200-400 (a) (b)
Cloruros (Cl^-)	67,250.0	200-600 (a) (b)
Fluoruros (F^-)	1.2	0,6-1,7 (a) (b)
Nitratos (NO_3^-)		45
Dureza Total ($CaCO_3$)	6,877.0	100-500 (a) (b)
Dureza Carbonato	152.0	300
Alcalinidad (F)	0.0	
Alcalinidad Total	152.0	400

DETERMINACIONES MICROBIOLOGICAS COLIFORMES

Prueba Presuntiva N. M. P./100 ml. ______

Prueba Confirmativa N. M. P./100 ml. ______

Conteo M. F. ______

PLANKTON

No. de Unidades Standard ______

Identificación ______

OTROS ENSAYOS

Estabilidad del Agua (Indice Langelier)

A______ °C ______ pHa______ pHs______ IS ______

COLOR REAL= 13.0 UDC.

Fe SOLUBLE= 0.0

Resultados expresados en P. P. M. o mg/L excepto turbiedad, color PH y Olor

(a) Admisible
(b) Permisible

Analizó: Analista

Encargado Laboratorio

Conforme: Encargado División

INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS
DIVISION DE INVESTIGACION Y CONTROL CALIDAD DE AGUA
LABORATORIO
—REPORTE DE ANALISIS DE AGUA GENERAL—
(FISICO—QUIMICO—MICROBIOLOGICO—PLANKTON)

Proyecto Jica

Laboratorio de: INAPA
No. FQC-11-18
Muestra procedente de:
Recolección por: Japones.
Provincia: Montecristy.
Fecha: 23/11/91.
Municipio: Montecrity.
Hora: 11:30 AM.
Sección: La Pinta.
Fecha de análisis: 25/11/91.
Paraje:
Lugar: Pozo.
CLASIFICACION: Pozo
Estudio de Fuente.

DETERMINACIONES FISICO-QUIMICAS	ANALISIS	NORMAS
Turbiedad Unid.	1.8 NTU.	5–25 (a) (b)
Color Und.	12.0 UDC.	5–50 (a) (b)
pH	7.5	6,5–9,2 (a) (b)
Olor		Ninguno
Temperatura °C		
Cloro residual		0,2–1,0 (a) (b)
Sólidos totales		500–1500 (a) (b)
CO_2	12.0	
Calcio ($CaCO_3$)	42.0	187.5–500 (a) (b)
Magnesio ($CaCO_3$)	88.0	125–600 (a) (b)
Hierro (Fe)	0.0	0.1–1,0 (a) (b)
Manganeso (Mn)		0,05–0,5 (a) (b)
Sodio (Na) Calc.	375.0	
Carbonatos ($CaCO_3$)	1.0	
Bicarbonatos ($CaCO_3$)	202.0	
Sulfatos ($SO_4^=$)	280.0	200–400 (a) (b)
Cloruros (Cl^-)	320.0	200–600 (a) (b)
Fluoruros (F^-)	0.8	0.6–1,7 (a) (b)
Nitratos (NO_3^-)		45
Dureza Total ($CaCO_3$)	130.0	100–500 (a) (b)
Dureza Carbonato	130.0	300
Alcalinidad (F)	0.0	
Alcalinidad Total	203.0	400

DETERMINACIONES MICROBIOLOGICAS COLIFORMES

Prueba Presuntiva N. M. P./100 ml. ______

Prueba Confirmativa N. M. P./100 ml. ______

Conteo M. F. ______

PLANKTON

No. de Unidades Standard ______

Identificación ______

OTROS ENSAYOS

Estabilidad del Agua (Indice Langelier)

A ______ °C ______ pHa ______ pHs ______ IS ______

COLOR REAL= 0.0

Resultados expresados en P. P. M. o mg/L excepto turbiedad, color PH y Olor

(a) Admisible
(b) Permisible

Analizó: Margarita Morillo
Analista

Encargado Laboratorio

Conforme: Lic. Valdez Rodriguez
Encargado División

INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS
DIVISION DE INVESTIGACION Y CONTROL CALIDAD DE AGUA
LABORATORIO
-REPORTE DE ANALISIS DE AGUA GENERAL-
(FISICO-QUIMICO-MICROBIOLOGICO-PLANKTON)

Proyecto Jica.

Laboratorio de: INAPA
No. FQC-11-16
Muestra procedente de:
Recolección por: Japones.
Provincia: Montecristy.
Fecha: 19/11/91.
Municipio: Guayubin.
Hora:
Sección: Guayubincito.
Fecha de análisis: 22/11/91.
Paraje:
Lugar: Pozo
CLASIFICACION: Pozo
Estudio de Fuente.

DETERMINACIONES FISICO-QUIMICAS	ANALISIS	NORMAS
Turbiedad Unid.	8.5 NTU.	5-25 (a) (b)
Color Und.	7.0 UDC.	5-50 (a) (b)
pH	7.8	6,5-9,2 (a) (b)
Olor		Ninguno
Temperatura °C		
Cloro residual		0,2-1,0 (a) (b)
Sólidos totales	591.0	500-1500 (a) (b)
CO_2	5.0	
Calcio ($CaCO_3$)	37.0	187.5-500 (a) (b)
Magnesio ($CaCO_3$)	51.0	125-600 (a) (b)
Hierro (Fe)	0.0	0.1-1,0 (a) (b)
Manganeso (Mn)		0,05-0,5 (a) (b)
Sodio (Na) Calc.	236.0	
Carbonatos ($CaCO_3$)	1.0	
Bicarbonatos ($CaCO_3$)	170.0	
Sulfatos ($SO_4^{=}$)	255.0	200-400 (a) (b)
Cloruros (Cl^-)	116.0	200-600 (a) (b)
Fluoruros (F^-)	0.0	0.6-1,7 (a) (b)
Nitratos (NO_3^-)		45
Dureza Total ($CaCO_3$)	88.0	100-500 (a) (b)
Dureza Carbonato	88.0	300
Alcalinidad (F)	0.0	
Alcalinidad Total	171.0	400

DETERMINACIONES MICROBIOLOGICAS COLIFORMES

Prueba Presuntiva N. M. P./100 ml. ______
Prueba Confirmativa N. M. P./100 ml. ______
Conteo M. F. ______

PLANKTON

No. de Unidades Standard ______
Identificación ______

OTROS ENSAYOS

Estabilidad del Agua (Indice Langelier)
A ____ °C ____ pHa ____ pHs ____ IS ____

Resultados expresados en P. P. M. o mg/L excepto turbiedad, color PH y Olor

(a) Admisible
(b) Permisible
Analizó:

Encargado Laboratorio

Conforme:

Analista

Encargado División

INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS

DIVISION DE INVESTIGACION Y CONTROL CALIDAD DE AGUA

LABORATORIO

–REPORTE DE ANALISIS DE AGUA GENERAL–

(FISICO–QUIMICO–MICROBIOLOGICO–PLANKTON)

Laboratorio de: INAPA

Muestra procedente de:

Provincia: Dajabón.

Municipio: Dajabón.

Sección: Buen Gusto.

Paraje:

Lugar: Pozo.

CLASIFICACION: Pozo. Estudio Defuente.

No. EQC-12-6

Recolección por: Nishimoto. (Japoneses)

Fecha: 8/12/91

Hora: 19:00

Fecha de análisis: 18/12/91.

DETERMINACIONES FISICO–QUIMICAS	ANALISIS	NORMAS
Turbiedad Unid.	6.5 N.T.U.	5–25 (a) (b)
Color Und.	8.0 U.D.C.	5–50 (a) (b)
pH	7.2	6,5–9,2 (a) (b)
Olor		Ninguno
Temperatura °C		
Cloro residual		0,2–1,0 (a) (b)
Sólidos totales	256.0	500–1500 (a) (b)
CO_2	16.0	
Calcio ($CaCO_3$)	79.0	187.5–500 (a) (b)
Magnesio ($CaCO_3$)	55.0	125–600 (a) (b)
Hierro (Fe)	0.2	0.1–1,0 (a) (b)
Manganeso (Mn)		0,05–0,5 (a) (b)
Sodio (Na) Calc.	8.0	
Carbonatos ($CaCO_3$)	0.0	
Bicarbonatos ($CaCO_3$)	132.0	
Sulfatos ($SO_4^{=}$)	5.0	200–400 (a) (b)
Cloruros (Cl^-)	10.0	200–600 (a) (b)
Fluoruros (F^-)	0.15	0,6–1,7 (a) (b)
Nitratos (NO_3^-)		45
Dureza Total ($CaCO_3$)	134.0	100–500 (a) (b)
Dureza Carbonato	132.0	300
Alcalinidad (F)	0.0	
Alcalinidad Total	132.0	400

DETERMINACIONES MICROBIOLOGICAS COLIFORMES

Prueba Presuntiva N. M. P./100 ml.

Prueba Confirmativa N. M. P./100 ml.

Conteo M. F.

PLANKTON

No. de Unidades Standard

Identificación

OTROS ENSAYOS

Estabilidad del Agua (Indice Langelier)

A_____ °C_____ pHa_____ pHs_____ IS_____

COLOR REAL= - de 5

Fe SOLUBLE= 0.0

Resultados expresados en P. P. M. o mg/L excepto turbiedad, color PH y Olor

(a) Admisible
(b) Permisible

Encargado Laboratorio

Analizó:

Analista

Conforme:

Encargado División

INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS
DIVISION DE INVESTIGACION Y CONTROL CALIDAD DE AGUA
LABORATORIO
–REPORTE DE ANALISIS DE AGUA GENERAL–
(FISICO–QUIMICO–MICROBIOLOGICO–PLANKTON)

Laboratorio de: INAPA
No. FQC-12-12
Muestra procedente de:
Recolección por: Nishimonto.
Provincia: Dajabón.
Fecha: 18/12/91
Municipio: Dajabón.
Hora: 10:30 AM.
Sección:
Fecha de análisis: 26/12/91.
Paraje: La Peñita Abajo.
Lugar: Pozo
CLASIFICACION: Pozo Estudio de Fuente.

DETERMINACIONES FISICO-QUIMICAS	ANALISIS	NORMAS
Turbiedad Unid.	0.5 N.T.U.	5–25 (a) (b)
Color Und.	-de 5.0 UDC.	5–50 (a) (b)
pH	7.6	6,5–9,2 (a) (b)
Olor		Ninguno
Temperatura °C		
Cloro residual		0,2–1,0 (a) (b)
Sólidos totales		500–1500 (a) (b)
CO_2	4.0	
Calcio ($CaCO_3$)	144.0	187.5–500 (a) (b)
Magnesio ($CaCO_3$)	69.0	125–600 (a) (b)
Hierro (Fe)	0.0	0.1–1,0 (a) (b)
Manganeso (Mn)		0,05–0,5 (a) (b)
Sodio (Na) Calc.		
Carbonatos ($CaCO_3$)	0.0	
Bicarbonatos ($CaCO_3$)	78.0	
Sulfatos ($SO_4^{=}$)	13.0	200–400 (a) (b)
Cloruros (Cl^-)	54.0	200–600 (a) (b)
Fluoruros (F^-)	0.1	0.6–1,7 (a) (b)
Nitratos (NO_3^-)		45
Dureza Total ($CaCO_3$)	213.0	100–500 (a) (b)
Dureza Carbonato	78.0	300
Alcalinidad (F)	0.0	
Alcalinidad Total	78.0	400

DETERMINACIONES MICROBIOLOGICAS COLIFORMES

Prueba Presuntiva N. M. P./100 ml. ____
Prueba Confirmativa N. M. P./100 ml. ____
Conteo M. F. ____

PLANKTON

No. de Unidades Standard ____
Identificación ____

OTROS ENSAYOS

Estabilidad del Agua (Indice Langelier)

A ____ °C ____ pHa ____ pHs ____ IS ____

Resultados expresados en P. P. M. o mg/L excepto turbiedad, color PH y Olor

(a) Admisible
(b) Permisible

Encargado Laboratorio

Analizó:

Margarita [signature]
Analista

Conforme:

[signature]
Encargado División

INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS

DIVISION DE INVESTIGACION Y CONTROL CALIDAD DE AGUA

LABORATORIO

--REPORTE DE ANALISIS DE AGUA GENERAL--

(FISICO-QUIMICO-MICROBIOLOGICO-PLANKTON)

Proyecto Jica.

Laboratorio de: INAPA — **No.** QC-12-1

Muestra procedente de:

Provincia: Dajabón. — **Recolección por:** Nishimoto.

Municipio: Dajabón. — **Fecha:** 2/12/91.

Sección: La Peñita Arriba. — **Hora:** 9:10 AM.

Paraje: — **Fecha de análisis:** 6/12/91.

Lugar: Manantial.

CLASIFICACION: Otros. Estudio de Fuente.

DETERMINACIONES FISICO-QUIMICAS	ANALISIS	NORMAS
Turbiedad Unid.	1.3 N.T.U.	5-25 (a) (b)
Color Und.	5.0 UDC.	5-50 (a) (b)
pH	7.4	6,5-9,2 (a) (b)
Olor		Ninguno
Temperatura °C		
Cloro residual		0,2-1,0 (a) (b)
Sólidos totales		500-1500 (a) (b)
CO_2	11.0	
Calcio ($CaCO_3$)	74.0	187.5-500 (a) (b)
Magnesio ($CaCO_3$)	60.0	125-600 (a) (b)
Hierro (Fe)	0.0	0.1-1,0 (a) (b)
Manganeso (Mn)		0,05-0,5 (a) (b)
Sodio (Na) Calc.	16.0	
Carbonatos ($CaCO_3$)	0.0	
Bicarbonatos ($CaCO_3$)	141.0	
Sulfatos ($SO_4^{=}$)	10.0	200-400 (a) (b)
Cloruros (Cl^-)	12.0	200-600 (a) (b)
Fluoruros (F^-)	0.2	0.6-1,7 (a) (b)
Nitratos (NO_3^-)		45
Dureza Total ($CaCO_3$)	134.0	100-500 (a) (b)
Dureza Carbonato	134.0	300
Alcalinidad (F)	0.0	
Alcalinidad Total	141.0	400

DETERMINACIONES MICROBIOLOGICAS COLIFORMES

Prueba Presuntiva N. M. P./100 ml. _____

Prueba Confirmativa N. M. P./100 ml. _____

Conteo M. F. _____

PLANKTON

No. de Unidades Standard _____

Identificación _____

OTROS ENSAYOS

Estabilidad del Agua (Indice Langelier)

A_____ °C_____ pHa_____ pHs_____ IS_____

Resultados expresados en P. P. M. o mg/L excepto turbiedad, color PH y Olor

(a) Admisible
(b) Permisible

Encargado Laboratorio

Analizó:

Conforme:

Analista

Encargado División

INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS

DIVISION DE INVESTIGACION Y CONTROL CALIDAD DE AGUA

LABORATORIO

-REPORTE DE ANALISIS DE AGUA GENERAL-

(FISICO-QUIMICO-MICROBIOLOGICO-PLANKTON)

Laboratorio de: INAPA

Muestra procedente de:

Provincia: Elias PIña.

Municipio: Elias Piña.

Sección:

Paraje: Asiento Maqual

Lugar: Pozo.

CLASIFICACION: Pozo Estudio de Fuente.

No. FQC-1-15

Recolección por: JICA.

Fecha: 4/1/92.

Hora: 8:00 AM.

Fecha de análisis: 10/1/91

DETERMINACIONES FISICO-QUIMICAS	ANALISIS	NORMAS
Turbiedad Unid.	6.0 NTU.	5-25 (a) (b)
Color Und.	- de 5	5-50 (a) (b)
pH	8.3	6,5-9,2 (a) (b)
Olor		Ninguno
Temperatura °C		
Cloro residual		0,2-1,0 (a) (b)
Sólidos totales		500-1500 (a) (b)
CO_2	4.0	
Calcio ($CaCO_3$)	155.0	187.5-500 (a) (b)
Magnesio ($CaCO_3$)	107.0	125-600 (a) (b)
Hierro (Fe)	0.0	0.1-1,0 (a) (b)
Manganeso (Mn)		0,05-0,5 (a) (b)
Sodio (Na) Calc.	148.0	
Carbonatos ($CaCO_3$)	8.0	
Bicarbonatos ($CaCO_3$)	355.0	
Sulfatos ($SO_4^{=}$)	165.0	200-400 (a) (b)
Cloruros (Cl^-)	34.0	200-600 (a) (b)
Fluoruros (F^-)	1.2	0,6-1,7 (a) (b)
Nitratos (NO_3^-)		45
Dureza Total ($CaCO_3$)	262.0	100-500 (a) (b)
Dureza Carbonato	262.0	300
Alcalinidad (F)	0.0	
Alcalinidad Total	363.0	400

DETERMINACIONES MICROBIOLOGICAS COLIFORMES

Prueba Presuntiva N. M. P./100 ml.

Prueba Confirmativa N. M. P./100 ml.

Conteo M. F.

PLANKTON

No. de Unidades Standard

Identificación

OTROS ENSAYOS

Estabilidad del Agua (Indice Langelier)

A_____ °C_____ pHa_____ pHs_____ IS_____

Resultados expresados en P. P. M. o mg/L excepto turbiedad, color PH y Olor

(a) Admisible
(b) Permisible

Lic. Wilder Ledesma
Encargado Laboratorio

Analizó:

Analista

Conforme:

Margarita Mejía
Encargado División

INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS
DIVISION DE INVESTIGACION Y CONTROL CALIDAD DE AGUA
LABORATORIO
–REPORTE DE ANALISIS DE AGUA GENERAL–
(FISICO–QUIMICO–MICROBIOLOGICO–PLANKTON)

Proyecto Jica.

Laboratorio de: INAPA

No. FQC-2-1

Muestra procedente de:

Recolección por: Hirotaka Nishimoto.

Provincia: Comendador

Fecha: 2/2/92

Municipio: Elias Piña

Hora:

Sección: Las Rosas

Fecha de análisis: 3/2/92

Paraje:

Lugar: Pozo.

CLASIFICACION: JC-13

ESTUDIO DE FUENTE.

DETERMINACIONES FISICO-QUIMICAS	ANALISIS	NORMAS
Turbiedad Unid.	2.5 N.T.U.	5–25 (a) (b)
Color Und.	7.0 U.D.C. APTB.	5–50 (a) (b)
pH	8.4	6,5–9,2 (a) (b)
Olor		Ninguno
Temperatura °C		
Cloro residual		0,2–1,0 (a) (b)
Sólidos totales		500–1500 (a) (b)
CO_2	1.0	
Calcio ($CaCO_3$)	16.0	187.5–500 (a) (b)
Magnesio ($CaCO_3$)	8.0	125–600 (a) (b)
Hierro (Fe)	0.0	0.1–1,0 (a) (b)
Manganeso (Mn)		0,05–0,5 (a) (b)
Sodio (Na) Calc.	124.0	
Carbonatos ($CaCO_3$)	4.0	
Bicarbonatos ($CaCO_3$)	141.0	
Sulfatos ($SO_4^=$)		200–400 (a) (b)
Cloruros (Cl^-)	107.0	200–600 (a) (b)
Fluoruros (F^-)	0.8	0,6–1,7 (a) (b)
Nitratos (NO_3^-)		45
Dureza Total ($CaCO_3$)	24.0	100–500 (a) (b)
Dureza Carbonato	24.0	300
Alcalinidad (F)	0.0	
Alcalinidad Total	145.0	400

DETERMINACIONES MICROBIOLOGICAS COLIFORMES

Prueba Presuntiva N. M. P./100 ml. ______

Prueba Confirmativa N. M. P./100 ml. ______

Conteo M. F. ______

PLANKTON

No. de Unidades Standard ______

Identificación ______

OTROS ENSAYOS

Estabilidad del Agua (Indice Langelier)

A ______ °C ______ pHa ______ pHs ______ IS ______

Resultados expresados en P. P. M. o mg/L excepto turbiedad, color PH y Olor

(a) Admisible
(b) Permisible

Analizó:

Encargado Laboratorio

Conforme:

Encargado División

Analista

INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS
DIVISION DE INVESTIGACION Y CONTROL CALIDAD DE AGUA
LABORATORIO
-REPORTE DE ANALISIS DE AGUA GENERAL-
(FISICO-QUIMICO-MICROBIOLOGICO-PLANKTON)

PROYECTO JICA.

Laboratorio de: INAPA
Muestra procedente de:
Provincia: Independencia
Municipio: "
Sección: La Baitoa.
Paraje:
Lugar: Pozo
CLASIFICACION: Pozo

No. FQC-1-16
Recolección por: Kamisato.
Fecha: 22/1/92.
Hora: 4:00 PM.
Fecha de análisis: 24/1/92

Estudio de Fuente.

DETERMINACIONES FISICO-QUIMICAS	ANALISIS	NORMAS
Turbiedad Unid.	0.26 NTU.	5-25 (a) (b)
Color Und.	- de 5	5-50 (a) (b)
pH	7.8	6,5-9,2 (a) (b)
Olor		Ninguno
Temperatura °C		
Cloro residual		0,2-1,0 (a) (b)
Sólidos totales		500-1500 (a) (b)
CO_2	6.0	
Calcio ($CaCO_3$)	181.0	187.5-500 (a) (b)
Magnesio ($CaCO_3$)	57.0	125-600 (a) (b)
Hierro (Fe)	0.0	0.1-1.0 (a) (b)
Manganeso (Mn)		0.05-0.5 (a) (b)
Sodio (Na) Calc.	130.0	
Carbonatos ($CaCO_3$)	1.0	
Bicarbonatos ($CaCO_3$)	187.0	
Sulfatos ($SO_4^=$)		200-400 (a) (b)
Cloruros (Cl^-)	237.0	200-600 (a) (b)
Fluoruros (F^-)		0,6-1,7 (a) (b)
Nitratos (NO_3^-)		45
Dureza Total ($CaCO_3$)	238.0	100-500 (a) (b)
Dureza Carbonato	188.0	300
Alcalinidad (F)	0.0	
Alcalinidad Total	188.0	400

DETERMINACIONES MICROBIOLOGICAS COLIFORMES

Prueba Presuntiva N. M. P./100 ml. ____
Prueba Confirmativa N. M. P./100 ml. ____
Conteo M. F. ____

PLANKTON

No. de Unidades Standard ____
Identificación ____

OTROS ENSAYOS

Estabilidad del Agua (Indice Langelier)

A____ °C ____ pHa____ pHs____ IS ____

Resultados expresados en P. P. M. o mg/L excepto turbiedad, color PH y Olor

(a) Admisible
(b) Permisible

Analizó:

Margarita Garrillo
Analista

Encargado Laboratorio

Conforme:

Lic. Wilder Rodríguez
Encargado División

INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS
DIVISION DE INVESTIGACION Y CONTROL CALIDAD DE AGUA
LABORATORIO

-REPORTE DE ANALISIS DE AGUA GENERAL-
(FISICO-QUIMICO-MICROBIOLOGICO-PLANKTON)

Proyecto Jica.

Laboratorio de: INAPA

No. FOC-1-9

Muestra procedente de:

Recolección por: Nishimoto.

Provincia: Dajabón.

Fecha: 19/2/92.

Municipio: Dajabón.

Hora: 14:00

Sección:

Fecha de análisis:

Paraje: Mariano Cestero.

Lugar: Pozo

CLASIFICACION: Pozo

Estudio de Fuente.

DETERMINACIONES FISICO-QUIMICAS	ANALISIS	NORMAS
Turbiedad Unid.	2.5 NTU.	5-25 (a) (b)
Color Und.	28.0 UDC.	5-50 (a) (b)
pH	7.4	6,5-9,2 (a) (b)
Olor		Ninguno
Temperatura °C		
Cloro residual		0,2-1,0 (a) (b)
Sólidos totales		500-1500 (a) (b)
CO_2	5.0	
Calcio ($CaCO_3$)	31.0	187.5-500 (a) (b)
Magnesio ($CaCO_3$)	45.0	125-600 (a) (b)
Hierro (Fe)	0.7	0.1-1.0 (a) (b)
Manganeso (Mn)		0,05-0.5 (a) (b)
Sodio (Na) Calc.	0.46	
Carbonatos ($CaCO_3$)	0.0	
Bicarbonatos ($CaCO_3$)	67.0	
Sulfatos ($SO_4^=$)	0.0	200-400 (a) (b)
Cloruros (Cl^-)	7.0	200-600 (a) (b)
Fluoruros (F^-)	0.0	0.6-1.7 (a) (b)
Nitratos (NO_3^-)		45
Dureza Total ($CaCO_3$)	76.0	100-500 (a) (b)
Dureza Carbonato	67.0	300
Alcalinidad (F)	0.0	
Alcalinidad Total	67.0	400

DETERMINACIONES MICROBIOLOGICAS COLIFORMES

Prueba Presuntiva N. M. P./100 ml.

Prueba Confirmativa N. M. P./100 ml.

Conteo M. F.

PLANKTON

No. de Unidades Standard

Identificación

OTROS ENSAYOS

Estabilidad del Agua (Indice Langelier)

A ____ °C ____ pHa ____ pHs ____ IS ____

COLOR REAL= - de 5 UDC.

Fe SOLUBLE= 0.1

Resultados expresados en P. P. M. o mg/L excepto turbiedad, color PH y Olor

(a) Admisible
(b) Permisible

Encargado Laboratorio

Analizó:

Conforme:

Analista

Encargado División

INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS

DIVISION DE INVESTIGACION Y CONTROL CALIDAD DE AGUA

LABORATORIO

–REPORTE DE ANALISIS DE AGUA GENERAL– Proyecto Jica.

(FISICO–QUIMICO–MICROBIOLOGICO–PLANKTON)

Laboratorio de: INAPA — **No.** FQC-1-1

Muestra procedente de:

Provincia: Dajabón. — **Recolección por:** Nishimoto.

Municipio: Dajabón. — **Fecha:** 1/1/92.

Sección: Chacuey. — **Hora:** 11:00

Paraje: — **Fecha de análisis:** 3/1/92

Lugar: Pozo

CLASIFICACION: Pozo. Estudio de Fuente.

DETERMINACIONES FISICO–QUIMICAS	ANALISIS	NORMAS
Turbiedad Unid.	0.85 NTU.	5–25 (a) (b)
Color Und.	– de 5.0 UDC.	5–50 (a) (b)
pH	8.4	6,5–9,2 (a) (b)
Olor		Ninguno
Temperatura °C		
Cloro residual		0,2–1,0 (a) (b)
Sólidos totales	332.0	500–1500 (a) (b)
CO_2	1.0	
Calcio ($CaCO_3$)	97.0	187.5–500 (a) (b)
Magnesio ($CaCO_3$)	84.0	125–600 (a) (b)
Hierro (Fe)	0.0	0.1–1,0 (a) (b)
Manganeso (Mn)		0,05–0,5 (a) (b)
Sodio (Na) Calc.	20.0	
Carbonatos ($CaCO_3$)	5.0	
Bicarbonatos ($CaCO_3$)	181.0	
Sulfatos ($SO_4^=$)	8.0	200–400 (a) (b)
Cloruros (Cl^-)	23.0	200–600 (a) (b)
Fluoruros (F^-)	0.2	0.6–1,7 (a) (b)
Nitratos (NO_3^-)*		45
Dureza Total ($CaCO_3$)	181.0	100–500 (a) (b)
Dureza Carbonato	181.0	300
Alcalinidad (F)	0.0	
Alcalinidad Total	186.0	400

DETERMINACIONES MICROBIOLOGICAS COLIFORMES

Prueba Presuntiva N. M. P./100 ml. _____

Prueba Confirmativa N. M. P./100 ml. _____

Conteo M. F. _____

PLANKTON

No. de Unidades Standard _____

Identificación _____

OTROS ENSAYOS

Estabilidad del Agua (Indice Langelier)

A_____ °C_____ pHa_____ pHs_____ IS_____

Resultados expresados en P. P. M. o mg/L excepto turbiedad, color PH y Olor

(a) Admisible

(b) Permisible

Analizó: _____
Analista

Encargado Laboratorio

Conforme:

Encargado División

INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS

DIVISION DE INVESTIGACION Y CONTROL CALIDAD DE AGUA

LABORATORIO

–REPORTE DE ANALISIS DE AGUA GENERAL–
(FISICO–QUIMICO–MICROBIOLOGICO–PLANKTON)

Proyecto Jica

Laboratorio de: INAPA
Muestra procedente de:
Provincia: Montecristy.
Municipio: Guayubin.
Sección:
Paraje: Cabeza de Toro.
Lugar: Pozo
CLASIFICACION: Pozo

No. FOC-1-4
Recolección por: Nishimoto.
Fecha:
Hora:
Fecha de análisis: 9/1/92

Estudio de Fuente.

DETERMINACIONES FISICO–QUIMICAS	ANALISIS	NORMAS
Turbiedad Unid.	54.0 NTU.	5–25 (a) (b)
Color Und.	120.0 UDC.	5–50 (a) (b)
pH	7.8	6,5–9,2 (a) (b)
Olor		Ninguno
Temperatura °C		
Cloro residual		0,2–1,0 (a) (b)
Sólidos totales		500–1500 (a) (b)
CO_2	6.0	
Calcio ($CaCO_3$)	414.0	187.5–500 (a) (b)
Magnesio ($CaCO_3$)	419.0	125–600 (a) (b)
Hierro (Fe)	1.4	0.1–1,0 (a) (b)
Manganeso (Mn)		0,05–0.5 (a) (b)
Sodio (Na) Calc.	895.0	
Carbonatos ($CaCO_3$)	1.0	
Bicarbonatos ($CaCO_3$)	205.0	
Sulfatos ($SO_4^{=}$)	2,400.0	200–400 (a) (b)
Cloruros (Cl^-)	38.0	200–600 (a) (b)
Fluoruros (F^-)	0.4	0,6–1,7 (a) (b)
Nitratos (NO_3^-)		45
Dureza Total ($CaCO_3$)	833.0	100–500 (a) (b)
Dureza Carbonato	206.0	300
Alcalinidad (F)	0.0	
Alcalinidad Total	206.0	400

DETERMINACIONES MICROBIOLOGICAS COLIFORMES

Prueba Presuntiva N. M. P./100 ml.
Prueba Confirmativa N. M. P./100 ml.
Conteo M. F.

PLANKTON

No. de Unidades Standard
Identificación

OTROS ENSAYOS

Estabilidad del Agua (Indice Langelier)

A____ °C____ pHa____ pHs____ IS____

COLOR REAL= – de 5

Fe SOLUBLE=0.0

Resultados expresados en P. P. M. o mg/L excepto turbiedad, color PH y Olor

(a) Admisible
(b) Permisible

Analizó:

Margarita Varela
Analista

Encargado Laboratorio

Conforme:

Lic. Wilder Rodriguez Dell
Encargado División

INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS

DIVISION DE INVESTIGACION Y CONTROL CALIDAD DE AGUA

LABORATORIO

-REPORTE DE ANALISIS DE AGUA GENERAL-
(FISICO-QUIMICO-MICROBIOLOGICO-PLANKTON)

Proyecto Jica.

Laboratorio de: INAPA

No. ~~FQC-11-17~~

Muestra procedente de:

Recolección por: Japones.

Provincia: Dajabón.

Fecha: 19/11/91.

Municipio: Dajabón.

Hora:

Sección: Los Arroyos.

Fecha de análisis: 22/11/91.

Paraje:

Lugar: Pozo.

CLASIFICACION: Pozo. Estudio de Fuente.

DETERMINACIONES FISICO-QUIMICAS	ANALISIS	NORMAS
Turbiedad Unid.	70.0 NTU.	5-25 (a) (b)
Color Und.	18.0 UDC.	5-50 (a) (b)
pH	7.5	6,5-9,2 (a) (b)
Olor		Ninguno
Temperatura °C		
Cloro residual		0,2-1,0 (a) (b)
Sólidos totales		500-1500 (a) (b)
CO_2	7.0	
Calcio ($CaCO_3$)	285.0	187.5-500 (a) (b)
Magnesio ($CaCO_3$)	126.0	125-600 (a) (b)
Hierro (Fe)	3.0	0.1-1,0 (a) (b)
Manganeso (Mn)		0,05-0,5 (a) (b)
Sodio (Na) Calc.	1,610.0	
Carbonatos ($CaCO_3$)	0.0	
Bicarbonatos ($CaCO_3$)	97.0	
Sulfatos ($SO_4^=$)	1,400.0	200-400 (a) (b)
Cloruros (Cl^-)	278.0	200-600 (a) (b)
Fluoruros (F^-)	0.0	0.6-1,7 (a) (b)
Nitratos (NO_3^-)		45
Dureza Total ($CaCO_3$)	411.0	100-500 (a) (b)
Dureza Carbonato	97.0	300
Alcalinidad (F)	0.0	
Alcalinidad Total	97.0	400

DETERMINACIONES MICROBIOLOGICAS COLIFORMES

Prueba Presuntiva N. M. P./100 ml.

Prueba Confirmativa N. M. P./100 ml.

Conteo M. F.

PLANKTON

No. de Unidades Standard

Identificación

OTROS ENSAYOS

Estabilidad del Agua (Indice Langelier)

A_____ °C_____ pHa_____ pHs_____ IS_____

COLOR REAL= - de 5.0 UDC.

Fe SOLUBLE= 0.2.

Resultados expresados en P. P. M. o mg/L excepto turbiedad, color PH y Olor

(a) Admisible
(b) Permisible

Encargado Laboratorio

Analizó:

Conforme:

Analista

Encargado División

7. Physical Condition of Each Villages

Note:

1) The existing Water Supply Systems are shown on Table 2.2; The Classification of the Water Supply Development Plans are shown on Fig.3.16.

2) Classification of the target villages into three classes according to the priority of water supply development :
   A: Villages with grave shortage conditions and very urgent need for water development.
   B: Villages with a relatively low demand for water in comparison with A.
   C: Village where a water development plan will be implemented in the future.

3) Division of the villages into two groups according to dependable water resources:
   (G): Villages which can depend on groundwater as their source.
   (S): Villages depending on surface water as their source.

Table 2.2 Classification of the Existing Water Supply System

Water Source	Water Supply System	Condition
G. Groundwater	Ⅰ. Hand Pump Ⅱ. Mortorized Pump Ⅲ. Windmill Pump	1) Broken; Poor Water Quality; not used at present 2) Presently used but with insufficient amount 3) Effictively functioning
S. Surface Water	Ⅰ. Rain Water Ⅱ. Spring	1) Insufficient all the year 2) Insufficient during the dry season 3) Sufficient
	Ⅲ. River Ⅳ. Stream Ⅴ. Irrigation Canal Ⅵ. Reservoir	1) boiled before drinking 2) Plain water treatment system, without chlorine application 3) Final water treatment system, with chlorine application

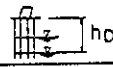
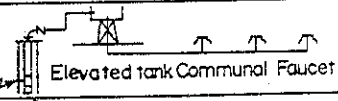
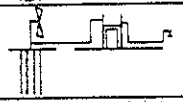
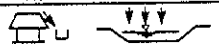
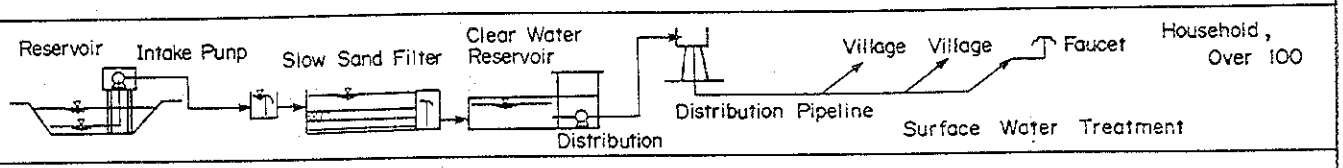
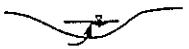
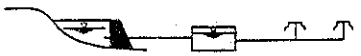
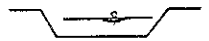
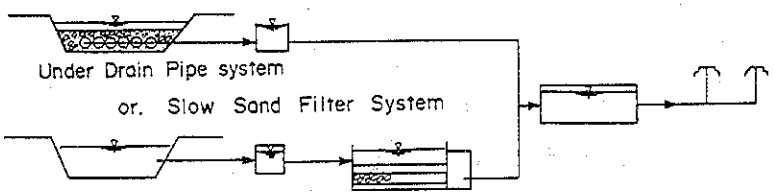
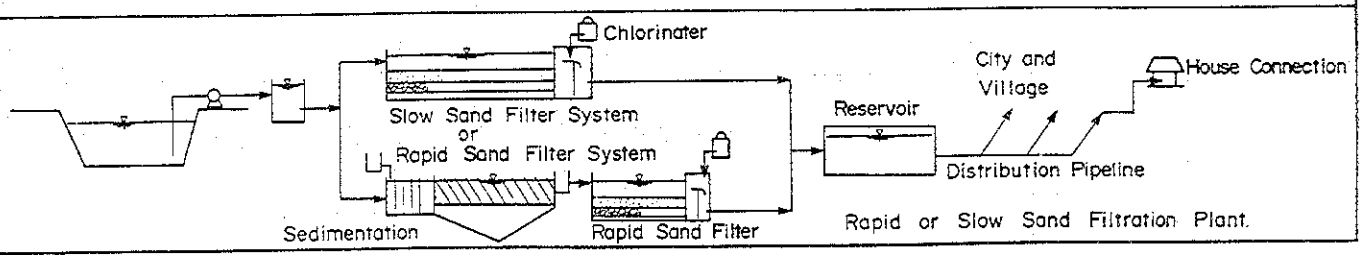
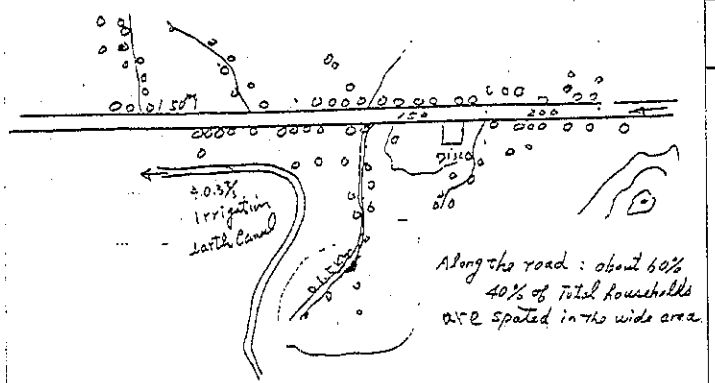
Water Source			Water Supply System	Standard Condition
G. Groundwater	I) Borehole	1)	 Hand Pump	Household ; Under 50 and Over 20 Water Level ; $h_D < 40^m$
		2)	 Motorized Pump	Household ; Over 50 Water level ; $h_D < 40^m$
		3)	 Windmill Pump	Population ; 200 400, Wind Velocity 3.0 m/s Water Level ; $h_D < 40^m$
S. Surface Water	I) Rain Water	1)	 Collected from Tank or Reservoir	
		2)		
	II) Spring Water	1)	 Collected by Person	
		2)	 Collected by Public	
	III) River IV) Stream V) Irrigation Canal VI) Reservoir	1)	 Collected by Person, boiled before Drinking	
		2)	 Semi Water Treatment Plant. Without Chlorine Application	
		3)	 Rapid or Slow Sand Filtration Plant.	

Fig.3.16. Classification of the Water Supply System

No.	Village	Province	Hydrogeological Classification	Province No.
M-1	El Duro	Monte Cristi	Cordillera Septentrional	I

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
80	480	- 100 %	90	480	60	24
Source	System	Condition	Potential	Quality	Drilling Access	Others
canal	S-V-1)	very poor	very low	very poor	good	-

Location Map



Development Plan System	From Monte Cristi ity ater upply
Classification of the Plan	s - III - 3)
Implementation Program	C (S)

Village Condition

M-1 El Duro

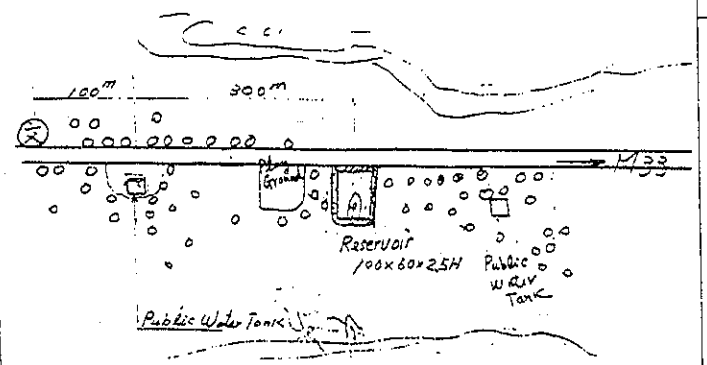
Located along the road and is situated almost halfway through Monte and Vasque.
Approximately 40% of the population resides on both sides of the road. The remaining population resides along the northern side of the road, especially the southern side of the road. The development of the villages along the road is way behind in comparison to the progress in the development of the society's foundation.

- The irrigation canal which flows down along the skirts of the plateau then runs parallel to the road at the western end of the village, as well as the main canal connected to it, are the villagers only water resources. Due to the agricultural chemicals used nowadays, the water of the canal becomes contaminated and, therefore, undrinkable.

No.	Village	Province	Hydrogeological Classification	Province No.
M - 2	Isobel del Torres	Monte Cristi	Cordillera Septentrional	I

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
63	272	+ 11%	72	311	15	5.5/1440=4
Source	System	Condition	Potential	Quality	Drilling Access	Others
Rainfall	S - I - 1	very poor	very low	very poor	good	-

Location Map



Development Plan System	Tank Lorry Transporta tion
Classification of the Plan	S - I - 1)
Implementation Program	B (S)

Village Condition

M-2 Isabel del Torres

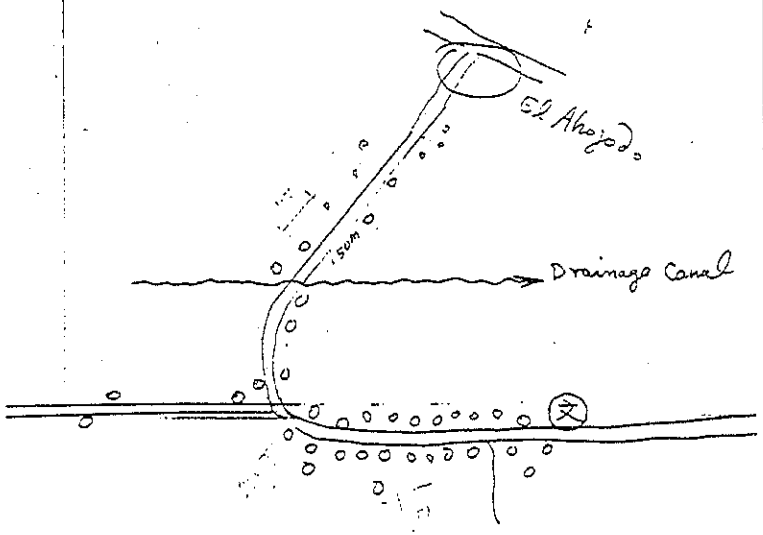
From Monte Cristi it is situated approximately 10 km up north along the coast;
The reservoir is caught between 80-90% of the village population which is divided into two groups. The villagers are mainly into farming, and poor villages are into firewood production. The village is mainly formed at the mountain ranges and is approximately 700 m long.

- A reservoir with a storage capacity of 15,000 m3 is constructed at the center of the village. This reservoir, however, dries up during the dry season.
- A concrete communal water tank with a capacity of 125 m3 is installed for each group. Although the contract with INAPA stipulated water distribution once in every two months, water supply is usually conducted once every 4 months;
- Although a number of spring water gushes out during the rainy season, most of these have high salinity content and are undrinkable.

No.	Village	Province	Hydrogeological Classification	Province No.
M - 3	Hato Viejo	Monte Cristi	Llano del Yaque del Norte	II

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
32	150	- 50 %	32	150	40	7.2/8x60=15
Source	System	Condition	Potential	Quality	Drilling Access	Others
River	S -III- 1)	very poor	High	Good	Good	-

Location Map



Development Plan System	Hand Pump x 2
Classification of the Plan	G - I -1)
Implementation Program	A -(G)

Village Condition

M-3 Hato Viejo

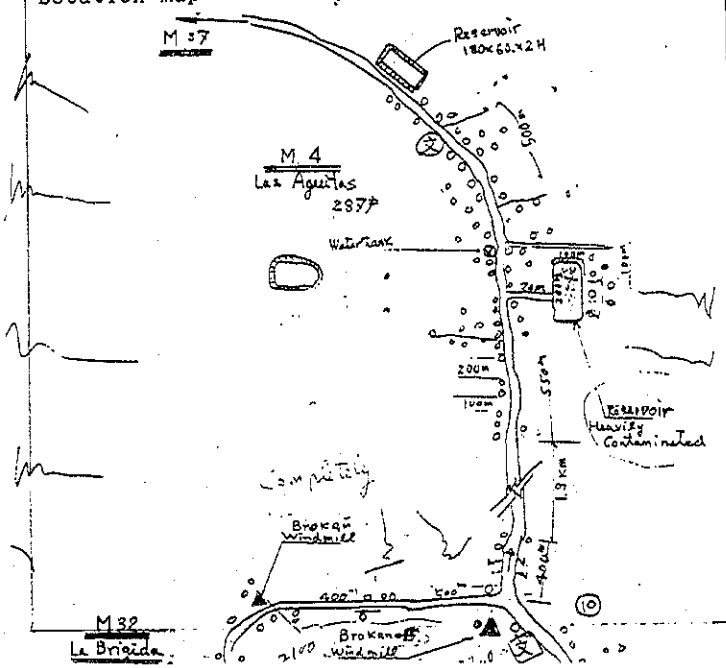
Right bank of Yaque del Norte;
A small village situated along the road that crosses a paddy region;
The village has a strong tendency to break up and the village population continues to decrease every year. Each farmhouse is built on both sides of the road.

- A drainage canal near the village is used for miscellaneous water needs. Water for important uses is collected from the downstream flow of Yaque del Norte River located approximately 1 km away from the village.

No.	Village	Province	Hydrogeological Classification	Province No.
M -4	Las Aguitas	Monte Cristi	Cordillera Septentrional	I

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
115	522	+ 32	153	692	40	33.2/1440=23
Source	System	Condition	Potential	Quality	Drilling Access	Others
Rainfall	S - I -1)	Very Poor	Very Low	Very Poor	Good	-

Location Map



Development Plan System	Surface Water Treatment
Classification of the Plan	S - I -2)
Implementation Program	A -(S)

Village Condition

M-4 Las Aguitas

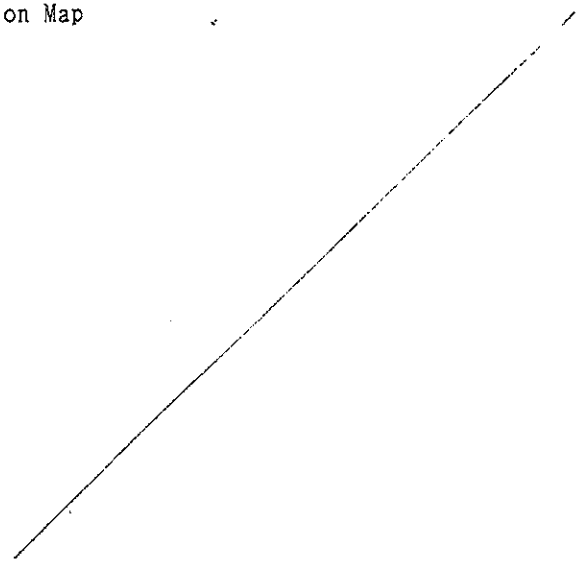
The village is connected to M31 along the local main road.
Elevation: 160 meters.

- 3 constructed reservoirs have become polluted due to free-roaming livestock. The one at the center of the village has become very polluted that it is not used even for miscellaneous purposes during the dry season;
- A communal concrete water tank is installed in the village, but it is never used during the dry season because the distribution schedule of the tank lorry is irregular.

No.	Village	Province	Hydrogeological Classification	Province No.
M - 5	Peladero	Monte Cristi	-	-

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
3	15	- 80 %	-	-	-	-
Source	System	Condition	Potential	Quality	Drilling Access	Others
-	-	-	-	-	-	-

Location Map



Development Plan System	Village Dispersion
Classification of the Plan	-
Implementation Program	-

Village Condition

M-5 Peladero

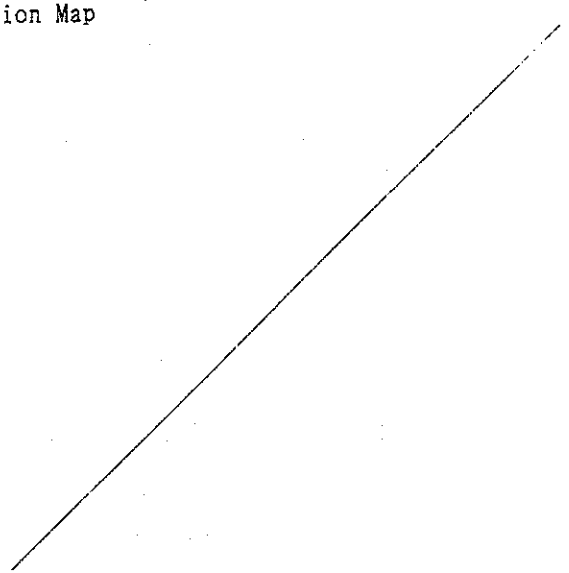
Village dispersion.
Left bank of Yaque del Norte.
A farming region to the south of the main irrigation canal;
The village is surrounded by shrubs and is in the isolated district of the central lowland area. There were 80 families in 1980, but only 10 were left in the area.

- Water intake from the main irrigation water canal.

No.	Village	Province	Hydrogeological Classification	Province No.
M - 6	Las Clavellina	Monte Cristi	-	-

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
-	-	-	-	-	-	-
Source	System	Condition	Potential	Quality	Drilling Access	Others
-	-	-	-	-	-	-

Location Map



Development Plan System	Village Disper ion
Classification of the Plan	-
Implementation Program	-

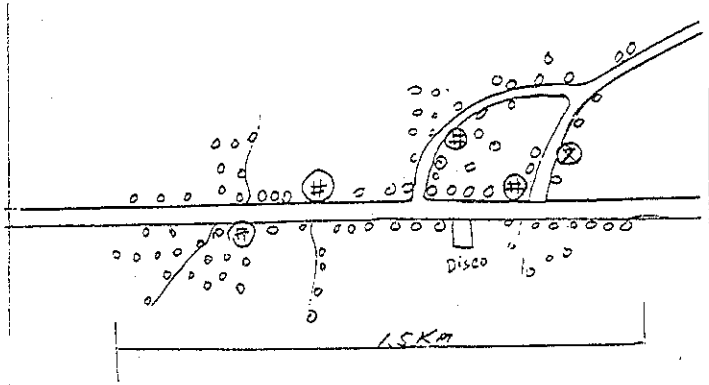
Village Condition

Village Dispersion

No.	Village	Province	Hydrogeological Classification	Province No.
M - 7	La Pinta	Monti Cristi	Surdel Yaque del Norte	III

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
101	441	+ 54 %	156	680	100	81.6/1440=56
Source	System	Condition	Potential	Quality	Drilling Access	Others
Handpumpx4	G - I - 1)	Poor	High	Poor	Good	-

Location Map



Development Plan System	Motorized Pump System
Classification of the Plan	G - I - 2)
Implementation Program	A - (G)

Village Condition

M-7 La Pinta

Halfway between Santa Maria and Santa Cruz. Located along the national road after pastures and fields from Sanita;
A flat terrain with an elevation of more or less than 40 m. At the northern side of the road is a flat area filled with shrubberies and fields. A gently sloping plateau can be found at the southern part of the road.
The village houses are built on both sides of the national road. Many houses are built near the starting point of the village to the west as well as the area adjacent to the lateral intersection from Sanita. The village length is about 1.5 km.

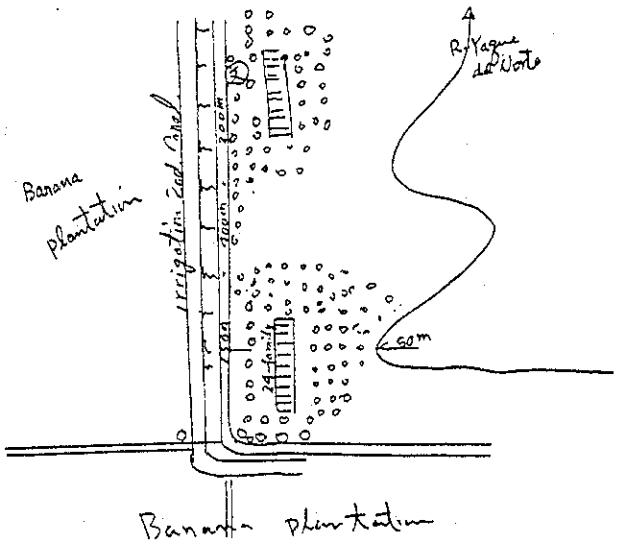
- A total of 5 wells: 4 hand pump wells and 1 windmill pump well. All wells are installed approximately 200 meters apart and are functioning effectively.

No.	Village	Province	Hydrogeological Classification	Province No.
M - 8	Batey Higuero	Monte Cristi	Llano de Yaque del Norte	II

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
169	743	+203 %	501	2253	100	270/1440=187
Source	System	Condition	Potential	Quality	Drilling Access	Others
River	S -III-1)	Very Poor	Very high	Good	Good	Dispersion 20%

Development Plan System	Motorized Pump System
Classification of the Plan	G - I - 2)
Implementation Program	A -(G)

Location Map



Village Condition

M-8 Batey Higuero

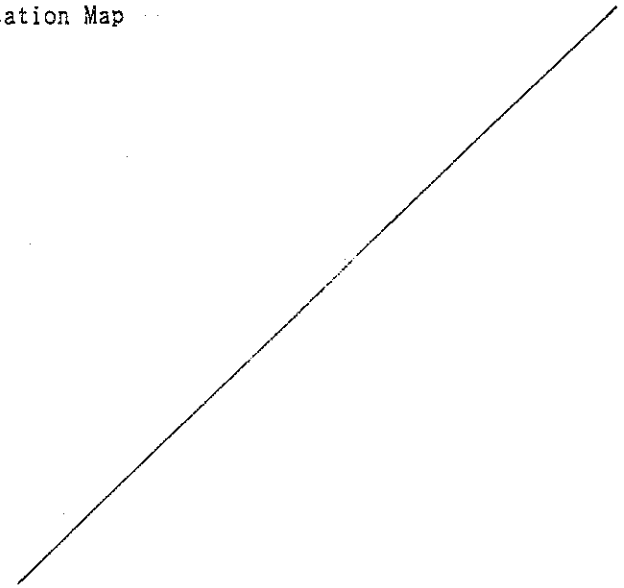
Located at the north-eastern end of a governement-run banana plantation which is located along the bank of Yaque del Norte.
Located at the end of a big banana plantation; a group of houses on the left bank of Yaque del Norte.
The majority of the residents work in the plantation as laborers.
The residents live in two public housing complexes.

- 169 families in the northern housing area receive door to door supply of river water;
- The residents collect water from the irrigation water canal which is at a shortest range from 10 m - 60-70 meters, or directly collect water from the Yaque del Norte River.

No.	Village	Province	Hydrogeological Classification	Province No.
M - 9	Las Penas	Monte Cristi	Llano de Yaque del Norte	II —

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
63	277	+ 1 %	63	277	100	33.2/1440=23
Source	System	Condition	Potential	Quality	Drilling Access	Others
River	S - III -3)	Very good	Poor	Good	Good	-

Location Map



Development Plan System	From Monte Cristi Water Supply
Classification of the Plan	-
Implementation Program	C -(S)

Village Condition

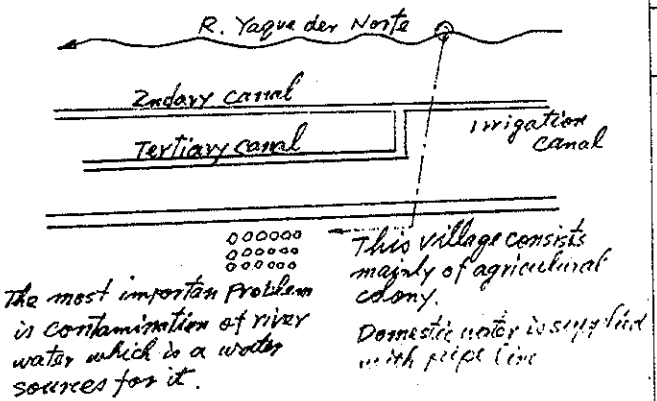
M-9 Las Penas
Located along the Monte Cristi-Dajabon national road; from Monte Cristi, it is 3 km to the south on the west area;
Yaque del Norte River Mouth, right bank Lowland;
A rural community at the outskirts of the city.

- Water is supplied through the Monte Cristi Potable Water Supply System.

No.	Village	Province	Hydrogeological Classification	Province No.
M - 10	Batey Juliana	Monte Cristi	Llano de Yaque del Norte	II

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
60	340	- 39 %	60	340	60	17
Source	System	Condition	Potential	Quality	Drilling Access	Others
River	S -III-3)	Good	Good	Good	Good	-

Location Map



Development Plan System	From Maguaca Treatment plant Supply
Classification of the Plan	-
Implementation Program	C -(C)

Village Condition

M-10 Batey Juliana

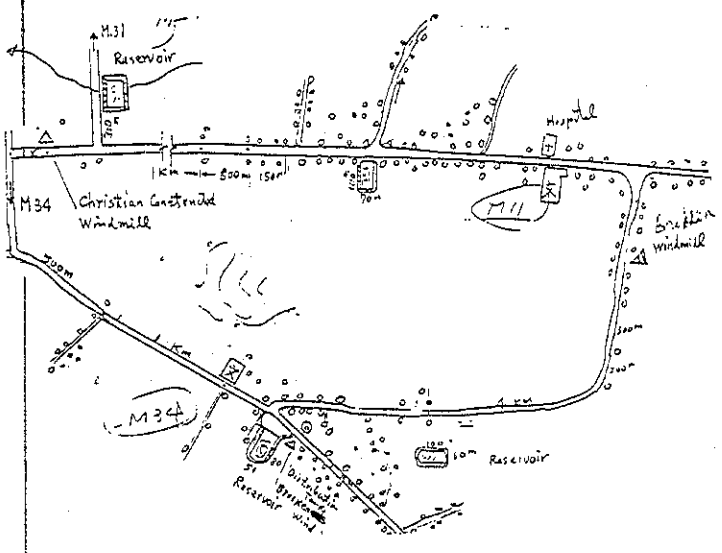
Located along the Monte Cristi-Dajabon road; it is approximately 8 km down south to the east from Monte Cristi;
A settlement patterned from the housings constructed by American-run plantations. The houses are orderly constructed in rows.

- There is a water system which uses Yaque del Norte as its water resource and supplies water through door to door distribution and communal faucets;
- The recently polluted state of Yaque del Norte is a problem to the area;
- Gathers water from secondary and tertiary irrigation canals located 10-5 km away.

No.	Village	Province	Hydrogeological Classification	Province No.
M - 11	Los Conucos	Monte Cristi	Llano de Yaque del Norte	II

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
78	384	+ 26 %	98	483	40	16
Source	System	Condition	Potential	Quality	Drilling Access	Others
Rain Water	S - I - 1)	Very poor	Very Low	Very Poor	Good	-

Location Map



Development Plan System	Surface Water Treatment
Classification of the Plan	S - I - 2)
Implementation Program	A - (S)

Village Condition

M-11 Los Conucos

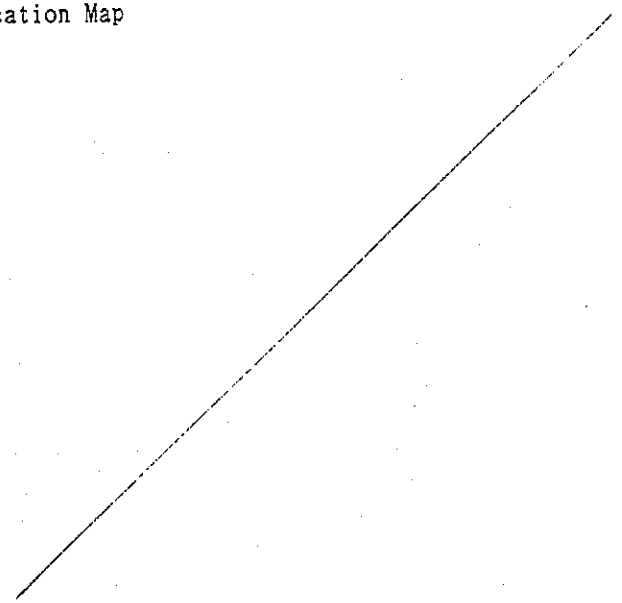
The location of M11 is adjacent to M31 and M4. It is located along the road that forks halfway through M31 and M4. There are mountains that completely separate M11 from M4.
Elevation: 180 meters.

- A reservoir which can possibly store approximately 20,000 m3 of water is installed. However, it is not used in the dry season even for miscellaneous purposes because it has been polluted by free-roaming livestock and sand deposits;
- An effective windmill pump was established by the Christian Service Group, and a comparatively large reservoir are constructed 2-2.5 km south of the village;
- A windmill pump well has been constructed at the eastern end of the village. However, it has been left unrepaired.

No.	Village	Province	Hydrogeological Classification	Province No.
M -12	Paso Real	Monte Cristi	Llano de Yaque del Norte	II –

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
-	-	-	-	-	-	-
Source	System	Condition	Potential	Quality	Drilling Access	Others
-	-	-	-	-	-	-

Location Map



Development Plan System	Village Dispersion
Classification of the Plan	
Implementation Program	-

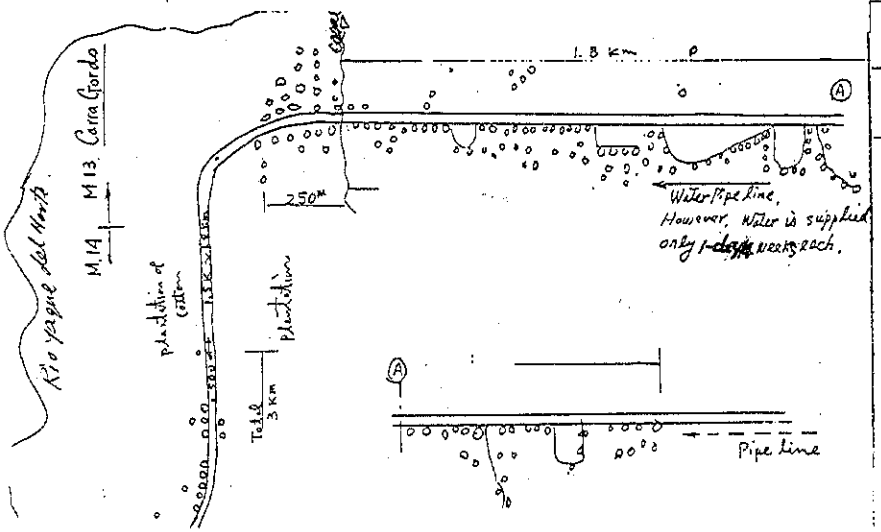
Village Condition

Village Dispersion

No.	Village	Province	Hydrogeological Classification	Province No.
M -13	Cerro Gordo Arriba	Monte Cristi	Sur del Yaque del Norte	III

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
92	404	+ 6 %	98	431	100	36
Source	System	Condition	Potential	Quality	Drilling Access	Others
River	S -III -1)	Very Poor	High	Good	Good	-

Location Map



Development Plan System	Motorized Pump System
Classification of the Plan	G - I -2)
Implementation Program	A -(G)

Village Condition

M-13 Cerdo Gordo Arriba

Along the Santiago and Dajabon National Road; located at the eastern end of Monte Cristi.
A total of 30 houses gather approximately 250 m halfway from the western starting point of the village; 20 houses to the north and 10 to the south. About 1.8 km below, one or two rows of houses, sometimes 3 or 4 are constructed at the southern area. Although it has not confirmed, 2 or 3 houses are constructed on both sides of a cultivated land 2-300 meters/km away from the national road.

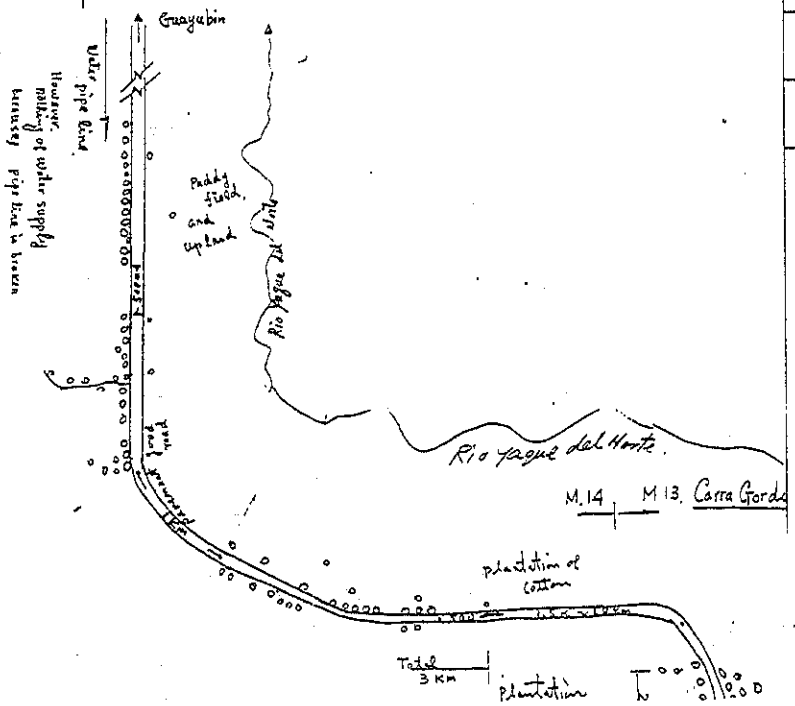
- A pipeline based from the water supply plan of the Cana Chapetair System has been installed, but water is only supplied once every 4 weeks resulting in serious shortage conditions;
- A private enterprise sells water, and most of the residents rely on this water method than on the pipeline.

No.	Village	Province	Hydrogeological Classification	Province No.
M -14	Pena Ranchaderos	Monte Cristi	Sur del Yaque del Norte	III -

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
89	391	+ 10 %	97	432	100	36
Source	System	Condition	Potential	Quality	Drilling Access	Others
River	S -III-1)	Very Poor	High	Good	Good	-

Development Plan System	Motorized Pump System
Classification of the Plan	G - I -2)
Implementation Program	A -(G)

Location Map



Village Condition

M-14 Pena Rancharedos

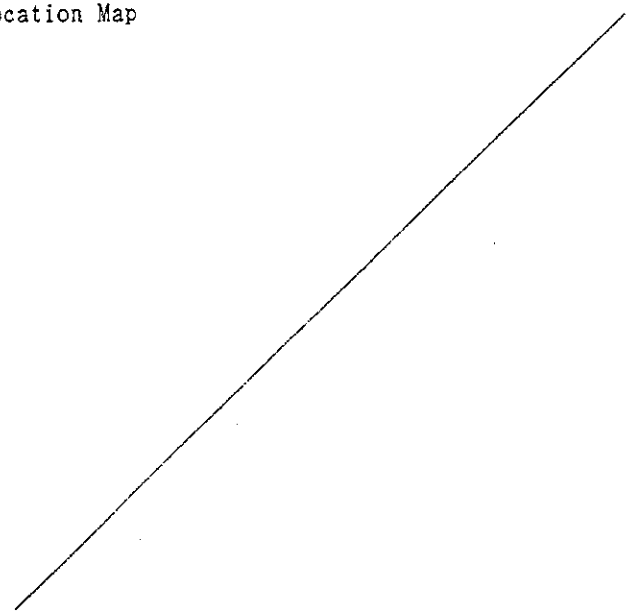
Located along the road approximately 5 km to the east from the Guayubin Bridge;

- Pipelines were installed in this area for the Water Supply Plan of the Guayubin Waterworks System, however, water transmission is not possible because the main pipeline was amputated. In addition, the 1-inch vinyl pipe of every household is exposed everywhere and is left in its amputated state;
- The villagers rely on the water distribution system implemented by private enterprises, and collect and transport water for miscellaneous purposes from Yaque del Norte.

No.	Village	Province	Hydrogeological Classification	Province No.
M -15	Los Gorilas	Monte Cristi	Sur del Yaque del Norte	III -

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
-	-	-	-	-	-	-
Source	System	Condition	Potential	Quality	Drilling Access	Others
-	-	-	-	-	-	-

Location Map



Development Plan System	Village Dispersion
Classification of the Plan	-
Implementation Program	-

Village Condition

Village Dispersion

No.	Village	Province	Hydrogeological Classification	Province No.
M -16	El Papayo	Monte Cristi	Cordillera Septentional	I

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
63	277	- 2.5 %	63	277	100	23
Source	System	Condition	Potential	Quality	Drilling Access	Others
Spring	S -II-3)	Good	Good	Good	Good	-

Location Map

see Village No 17 Estero Balsa.

Development Plan System	Spring Water Supply by INAPA
Classification of the Plan	S -II-2)
Implementation Program	C - (C)

Village Condition

M-16 El Papayo

The national road of the saddle of the northern mountains is approximately 10 km away from Villa Elisa.
M16 is situated to the north from the south-north watershed boundary.
A narrow plane surrounded by mountains in its three directions. A saddle plateau with more or less 120 m elevation.
80% of the village houses are within close proximity.

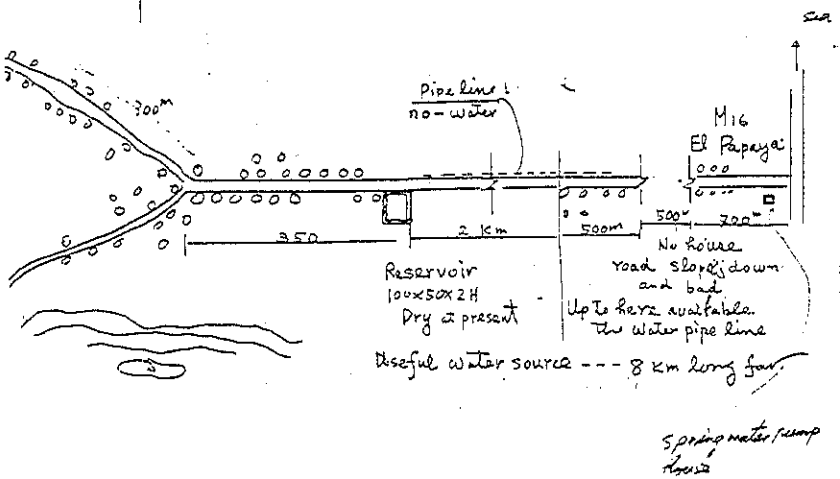
- Door to door water supply is being conducted by the vast water supply system. This system uses spring water as its water resource. Even the 10 family group residing approximately 700 meters away from the main residents receive water in the same manner.

No.	Village	Province	Hydrogeological Classification	Province No.
M -17	Estero Balso	Monte Cristi	Cordillera Septentional	I

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
53	233	+ 3,5 %	53	233	15	2.9
Source	System	Condition	Potential	Quality	Drilling Access	Others
Rain Water	S - I -1)	Very Poor	Very Low	Good	Good	-

Development Plan System	Tank Lorry Supply System
Classification of the Plan	S - I -1)
Implementation Program	B -(S)

Location Map



Village Condition

M-17 Estero Balso

Located at the sloping lowland area approximately 1.5 km west from El Papayo (M16).

- A reservoir has been constructed at the eastern end of the mountain in the village. However, this reservoir dries up completely during the dry season and has a larger penetration volume compared to the reservoir at the plateau;
- The residents satisfy their needs by collecting water from a spring located approximately 6 km ahead with the help of animal-pulled carts;
- A well excavation experiment was conducted at the slope of the mountain, but the experiment was unsuccessful because the area caved in due to the fact that casing was not conducted.

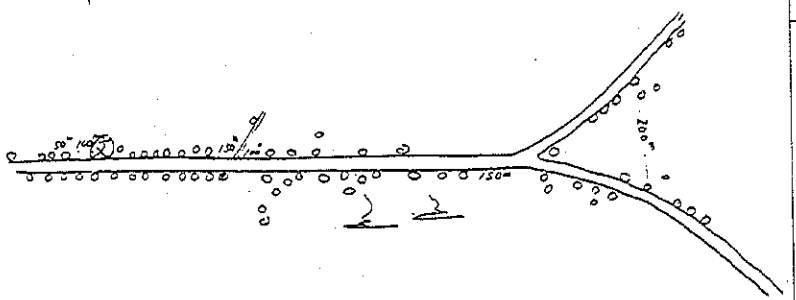
No.	Village	Province	Hydrogeological Classification	Province No.
M -18	Cabeza de Toro	Monte Cristi	Sur del Yaue del Norte	III

Water Supply Present Condition (1990)		
Household	Population	Growth Rate 1981-1990
75	399	+ 16%
Source	System	Condition
River	S -III-1)	Poor

Water Supply Development Plan for 2000			
Household	Population	Consumption (L/c/d)	Demand(L/min)
80	56	60	28
Potential	Quality	Drilling Access	Others
Very Low	Poor	Good	-

Development Plan System	From Guajubin Treatment System
Classification of the Plan	S -III-1)
Implementation Program	C -(C)

Location Map



Village Condition

M-18 Cabeza de Toro

A back region located approximately 15 km from the National Road at the left bank of Guayubin River.

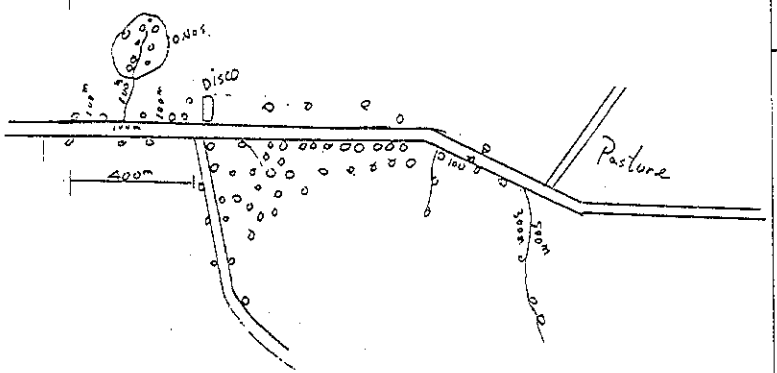
- Groundwater development is impossible;
- Recommendation of the plan is to supply the village from the Guayubin treatment plant.

No.	Village	Province	Hydrogeological Classification	Province No.
M -19	Guajubincito	Monte Cristi	Sur del Yaque del Norte	III

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
75	352	+ 22 %	94	429	60	21
Source	System	Condition	Potential	Quality	Drilling Access	Others
River	S -III-1)	Poor	Very Low	Poor	Good	-

Development Plan System	Guajubin Treatment Supply System
Classification of the Plan	S -III-1)
Implementation Program	C -(S)

Location Map



Village Condition

M-19 Guayubincito

This village corresponds to village M18, Caveza de Toro.

No.	Village	Province	Hydrogeological Classification	Province No.
M -20	EL Mangal	Monte Cristi	Suy del Yaque del Norte	III

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
54	233	+ 1.7 %	55	241	100	17
Source	System	Condition	Potential	Quality	Drilling Access	Others
River	S -III-3)	Good	Good	Good	Good	-

Location Map

Development Plan System	Guajubin Treatment Plant System
Classification of the Plan	S -III-3)
Implementation Program	C -(S)

Village Condition

M-20 El Mangal

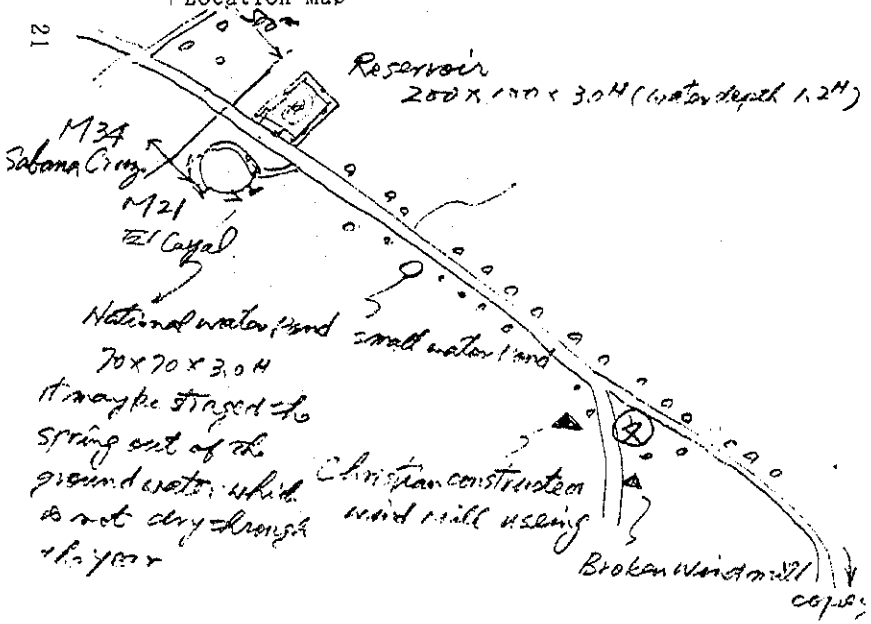
The first village to the south from the National Road at the right bank of Guayubin River.

- Water is supplied to each house by the Guayubin Water System by pumping water from the Guayubin River.

No.	Village	Province	Hydrogeological Classification	Province No.
M -21	El Cayal	Monte Cristi	Cordillera Septentrional	I

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
89	391	+ 8 %	97	424	40	14
Source	System	Condition	Potential	Quality	Drilling Access	Others
Reservoir	S -VI-1)	very Poor	Very Low	Very Poor	Good	-

Location Map



Development Plan System	Serface Water Treatment System
Classification of the Plan	S - I -2)
Implementation Program	A -(s)

Village Condition

M-21 El Cayal

This is the neighboring village of M34, and is approximately 500 meters from M34.

- A reservoir with a storage capacity of approximately 60 . thousand m3 can be found at the northern side of the road of the village border in M34. A spring water reservoir with a storage capacity of approximately 15,000 m3 can be found at the crater-shaped area to the south. Both water resources do not dry up during the dry season and are effectively utilized by the residents. In addition, another 1,000 m3 spring water reservoir exists in the area;
- The pump of the windmill pump well that was constructed at the eastern end of the village has been removed. The Christian Service Group replaced the removed windmill pump by a new one. Now it is effectively utilized by the residents.

No.	Village	Province	Hydrogeological Classification	Province No.
M -22	Hato alMedioArriba	Monte Cristi	Sur del Yaque del Norte	III

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
62	273	+ 9 %	68	300	150	37
Source	System	Condition	Potential	Quality	Drilling Access	Others
Jaibon T.P	S -III-3)	Good	Good	Good	Good	-

Location Map

Development Plan System	From Jaibon Treatment System
Classification of the Plan	S -III-3)
Implementation Program	C -(S)

Village Condition

M-22 Hato al Medio Arriba

Located along the road of the Capital of Monte Cristi.

- Water is being supplied by the Jaibon Water System, a system that supplies water on a wide area.

V67

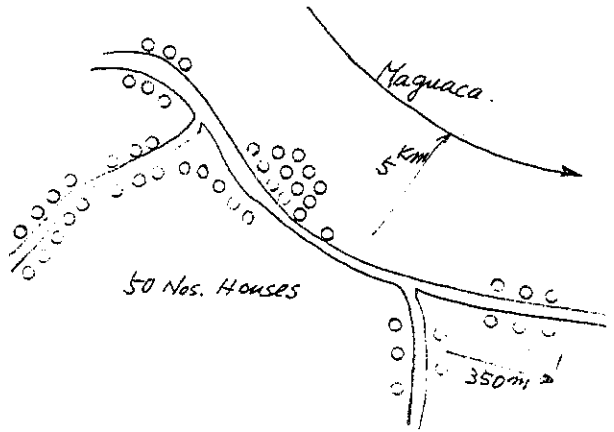
No.	Village	Province	Hydrogeological Classification	Province No.
M -23	Los Amaceyes	Monte Cristi	Sur del Yaque del Norte	III

Water Supply Present Condition (1990)		
Household	Population	Growth Rate 1981-1990
50	218	- 2 %
Source	System	Condition
River	S -III- 1)	Very Poor

Water Supply Development Plan for 2000			
Household	Population	Consumption (L/c/d)	Demand(L/min)
50	218	40	18
Potential	Quality	Drilling Access	Others
Vrey Low	Poor	Good	-

Development Plan System	Intake from River water
Classification of the Plan	S -III-1)
Implementation Program	C -(S)

Location Map



Village Condition

M-23 Los Amaceyes

Located along the road that leads to M36 La Horca to the east and Barrera to the west.
Elevation is around 100 meters. A hilly plateau of pastures and farms at the right bank of Maguaca River.

The village is located along a forked road, and the villagers are divided into 5 or 6 groups. The total is more than 3 km and the houses are considerably distanced at 30-50 meters, especially those to the east where the distance gradually increases.

- Since there are no possible water resources in the area, the villagers individually collect and transport water from Maguaca river located approximately 5 km ahead.

No.	Village	Province
M -24	Jobo Corcobado	Monte Cristi

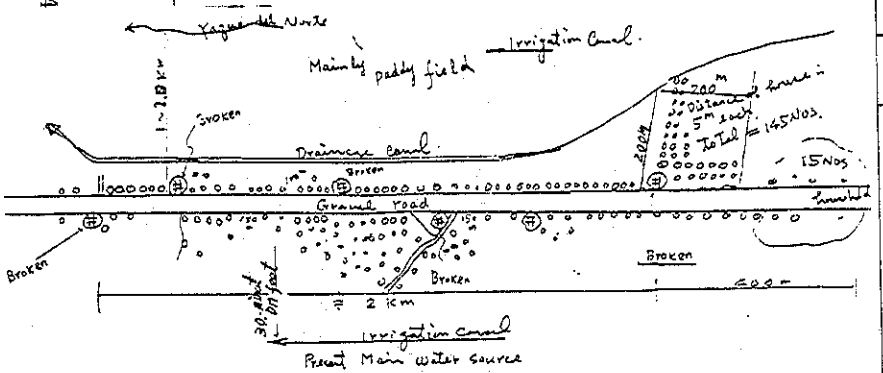
Hydrogeological Classification	Province No.
Sur del Yaque del Norte	III

Water Supply Present Condition (1990)		
Household	Population	Growth Rate 1981-1990
204	897	+ 130 %
Source	System	Condition
Canal	S -V -1)	Very Poor

Water Supply Development Plan for 2000			
Household	Population	Consumption (L/c/d)	Demand(L/min)
471	2068	60	103
Potential	Quality	Drilling Access	Others
High	Good	Good	-

Development Plan System	Motorized Pump System
Classification of the Plan	G - I -2)
Implementation Program	A -(G)

Location Map



6 - Nos. Shallow well is constructed.
However, they are no-productive any G.W. because their are too much salted

Distance of each house is about 10~5m in the center of village.

Village Condition

M-24 jobo Corcobado

A paddy region on the left bank of Yaque del Norte. The village is located along the Castanullas-Guayubin Road.

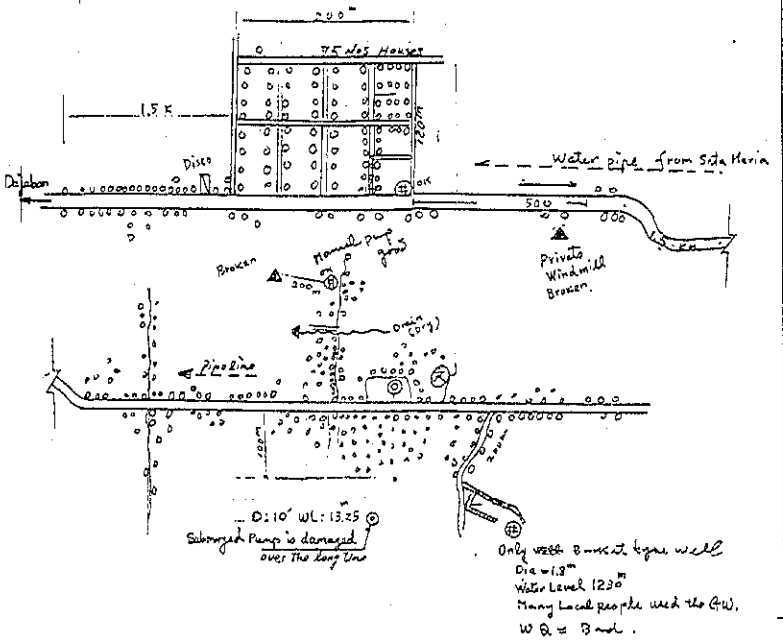
- There are 6 wells installed at an interval of 200-300 m, all of these wells, however, produce undrinkable salty water. With the exception of the well at the migrant's land, all of the pumps have been removed;
- The pumps of the well at the migrants'land is also left unattended;
- At the back of the northern village houses is a drainage canal which flows downward parallel to the road;
- Water is conveyed to the villagers through the irrigation canal which runs through within the paddy area.

No.	Village	Province	Hydrogeological Classification	Province No.
M -25	Gozuela	Monte Cristi	Sur del Yaque del Norte	III

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
87	383	+ 27 %	200	1500	100	125
Source	System	Condition	Potential	Quality	Drilling Access	Others
Borhole	G - I -2)	Very Poor	High	Good	Good	-

Development Plan System	Motorized Pump System
Classification of the Plan	G - I -2)
Implementation Program	A -(G)

Location Map



Village Condition

M-25 Gozuela

A plateau located on the left bank of Chacuey River which is approximately 14 km eastward from the Monte Cristi-Dajabon national road.
Gozuela is a village with approximately 50 families who are generally farmers residing on both sides of the roads. Migrants from Sanita make up the 75 houses located at the 200 x 120 m area on the northern side of the road.
Santa Maria is a big village located approximately 3 km to the east from the center of Gozuela.

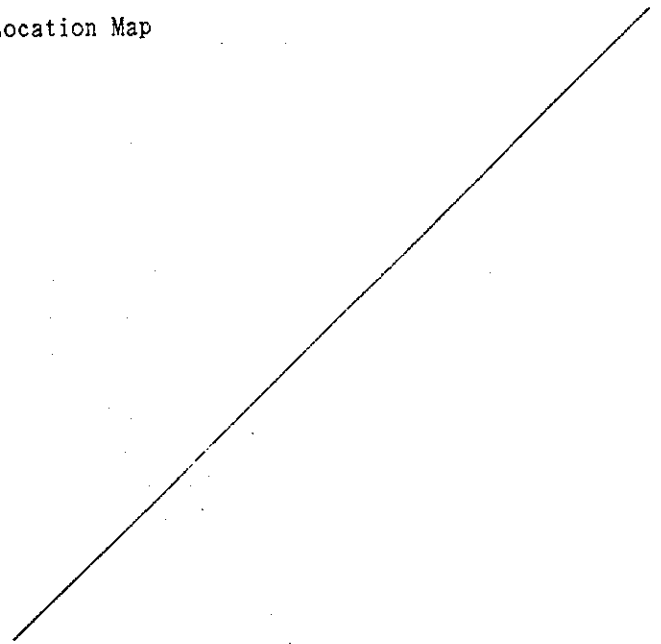
- A hand pump well has been established for the migrants of Gozuela and is the sole water resource of the village. Originally, the village was dependent on the Santa Maria Water Supply facilities (submersible motor pump), but supply was terminated for more than a year because the motor pump was damaged and in this state groundwater production was impossible.
The residents rely only on the hand pump well for their drinking water supply but the use of water in the flush toilet was impossible. Although the villagers were troubled with this, they cannot ascertain the probability of a rehabilitation.

No.	Village	Province	Hydrogeological Classification	Province No.
M -26	Baitoa	Monte Cristi	-	-

Water Supply Present Condition (1990)		
Household	Population	Growth Rate 1981-1990
30	143	- 40 %
Source	System	Condition
-	-	-

Water Supply Development Plan for 2000			
Household	Population	Consumption (L/c/d)	Demand(L/min)
-	-	-	-
Potential	Quality	Drilling Access	Others
-	-	-	-

Location Map



Development Plan System	Village Dispersion
Classification of the Plan	-
Implementation Program	-

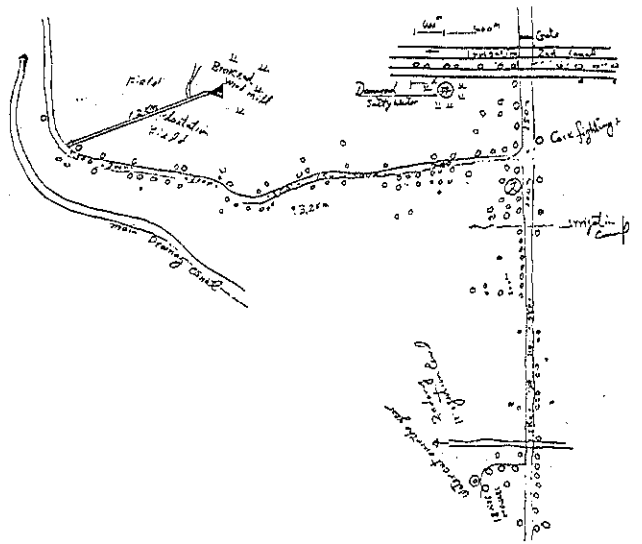
Village Condition

Village Dispersion

No.	Village	Province	Hydrogeological Classification	Province No.
M -27	Sanita	Monte Cristi	Llano de Yaque del Norte	II

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
95	760	- 100 %	95	760	40	76
Source	System	Condition	Potential	Quality	Drilling Access	Others
Spring	Poor	Very Low	Poor	Good	Good	-

Location Map



Development Plan System	Hand Pump System
Classification of the Plan	G - I -1)
Implementation Program	B -(G)

Village Condition

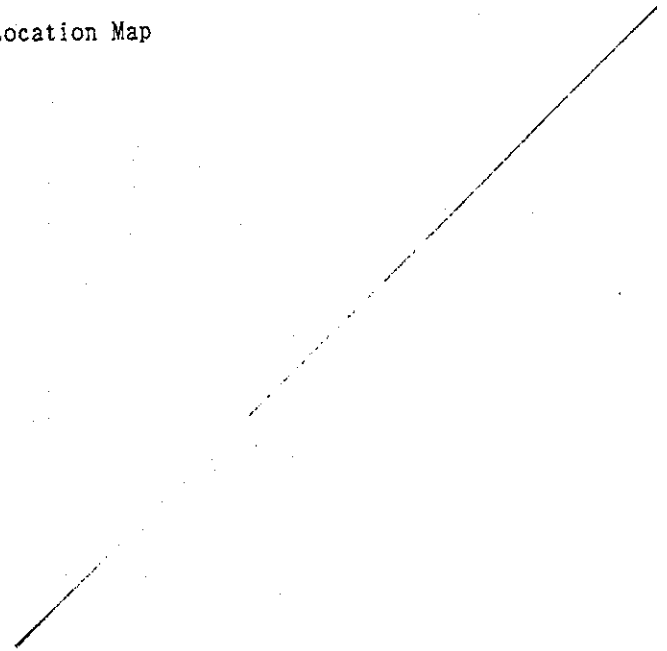
Yaque del Norte left bank; Near the south gate of the banana plantation; the northern area of the village starts across the large main irrigation canal.

- The windmill at the center of a deserted paddy region proves the existence of an old village. The windmill is left unrepaired and the water is considered to contain large amount of salt making it undrinkable;
- There is a hand pump well in the paddy region. This well, however, was considered to contain large amount of salt in the first stage of its construction. This well is left unattended at present;
- There is a 510 m deep well excavation at one corner at the southern end of the village where a group of families reside; the pump of the well has been removed. At present, this well independently produces 40-60 liters of groundwater per minute, and is the villagers source of water;
- Approximately 1 km to the south from the point stated previously is another well emitting water of its own. The spring water volume, however, is less than 10 liters per minute;
- Aside from the large main at the northern end of the village, the villagers have many resources such as, secondary, tertiary and drainage canals too.

No.	Village	Province	Hydrogeological Classification	Province No.
M -28	Marmoleja	Monte Cristi	-	-

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
-	-	-	-	-	-	-
Source	System	Condition	Potential	Quality	Drilling Access	Others
-	-	-	-	-	-	-

Location Map



Development Plan System	Village Dispersion
Classification of the Plan	-
Implementation Program	-

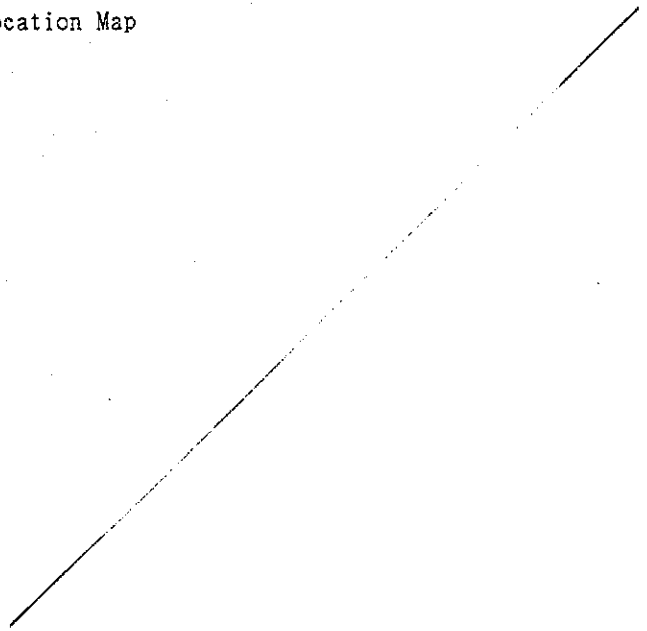
Village Condition

Village Dispersion

No.	Village	Province	Hydrogeological Classification	Province No.
M -29	LA Cabuya	Monte Cristi	-	-

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
-	-	-	-	-	-	-
Source	System	Condition	Potential	Quality	Drilling Access	Others
-	-	-	-	-	-	-

Location Map



Development Plan System	Village dispersion
Classification of the Plan	-
Implementation Program	-

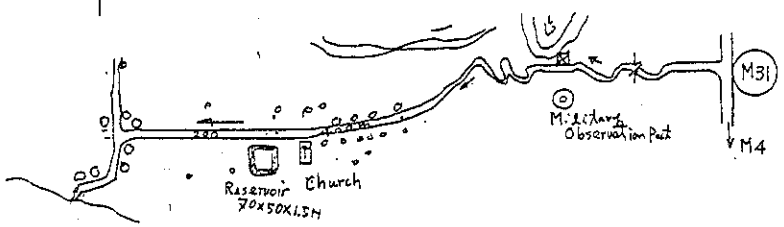
Village Condition

Village Dispersion

No.	Village	Province	Hydrogeological Classification	Province No.
M -30	Buen Hombre	Monte Cristi	Cordillera Septentironal	I

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
86	410	+ 3 %	89	423	40	14
Source	System	Condition	Potential	Quality	Drilling Access	Others
Rain Water	S - I -1)	Very Poor	Very Low	Very poor	Very Poor	-

Location Map



We can not confirmed the distribution of the 55 Nos Houses.

Development Plan System	Surface Water Treatment System
Classification of the Plan	S - I -2)
Implementation Program	A -(S)

Village Condition

M-30 Buen Hombre

Face the direction of the mountains to the north from the center of the M31 village. Cross the mountain and take the road leading to the coast. Take a zigzag road down the mountain to the village.

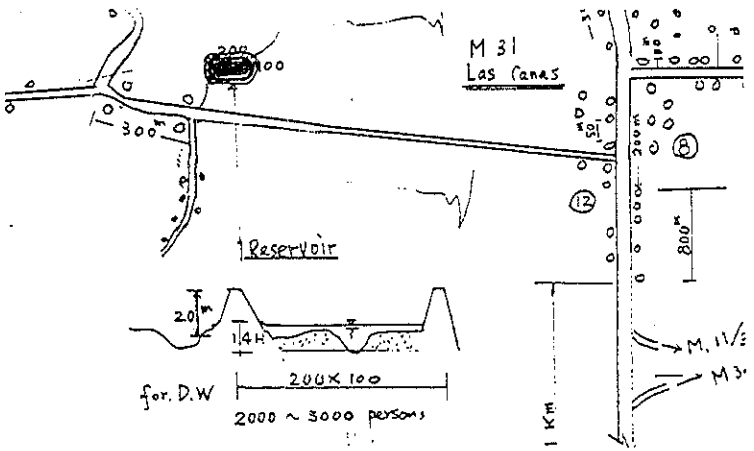
- A military observation station is established at the western hillside; there is a communal water tank for collecting mountain run-off below the eastern slope. The water collected is distributed through the tank lorry. As for independent water intake, the residents take the 200 m mountain road going up by using cows or vehicles;
- A reservoir with a storage capacity of 5-6,000 m3 has been constructed at the northern end of the village at a place which is 250 meters from the coast. Sometimes the reservoir dries up in the dry season.

No.	Village	Province	Hydrogeological Classification	Province No.
M -31	Las Canas	Monte Cristi	Cordillera Septentrional	I

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
70	245	- 9 %	70	245	40	8
Source	System	Condition	Potential	Quality	Drilling Access	Others
Rain Water	S - I -1)	Very Poor	Very Low	Very Poor	Good	-

Development Plan System	Surface Water Treatment System
Classification of the Plan	S - I -2)
Implementation Program	A -(S)

Location Map



Village Condition

Located along the local main road is approximately 11 km from the national road of the central Plateau.
An erodible plateau situated between the central mountains with 2-3 km wide gently undulated fields. Villages can be found along the road that passes through the planes located at the eastern area of the fields.
Elevation: 180 meters.

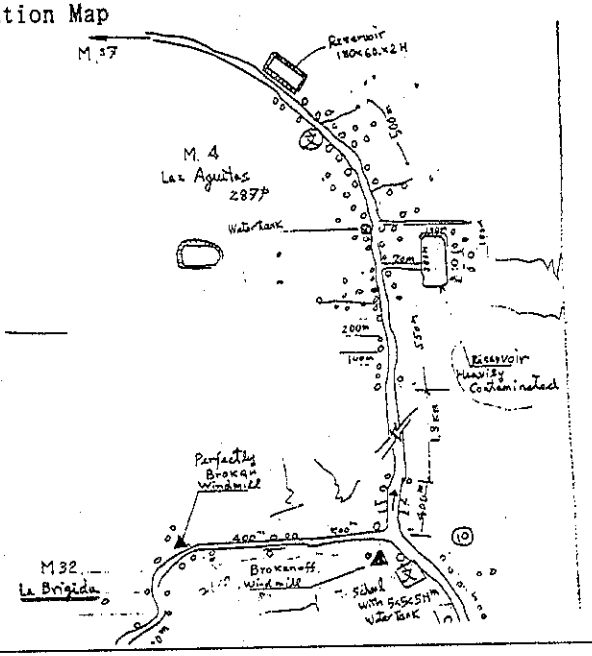
- A windmill pump well has been installed at the northern end of the village. The pump, however, has been removed;
- Although the water is very salty, in some areas it is almost drinkable;
- There is a concrete communal water tank with a capacity of 125 m3 within the junior high school campus. The residents do not rely however on the tank lorry because of the irregular water distribution schedule;
- A reservoir with a storage capacity of approximately 50,000 m3 is constructed 1.5 km to the west from the center of the village. This is the sole water resource used for the whole year, and approximately 2,000 persons from 4 villages are effectively using the reservoir.

No.	Village	Province	Hydrogeological Classification	Province No.
M -32	La Brigida	Monte Cristi	Cordillera Septentional	I

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
19	95	- 88 %	19	95	40	3
Source	System	Condition	Potential	Quality	Drilling Access	Others
Rain Water	S - I -1)	Very Poor	Very Low	Very Poor	Good	-

Development Plan System	Surface Water Treatment System
Classification of the Plan	S - I -2)
Implementation Program	A -(S)

Location Map



Village Condition

M-32 La Brigida

700 m - 2 km to the west from the local road along M31.
Central Lowland of the Plateau; Elevation: 170 m.
Watershed area of the surrounding plateau.
The village residents have a strong tendency to break up, and no more than 7 - 8 families remain at the village's central area. Some of the residents settle down 100 - 300 meters away which is why the household census is difficult to confirm.

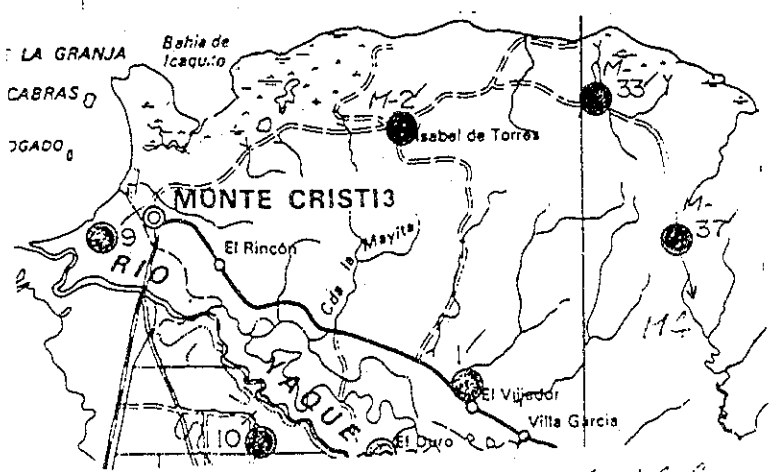
- The windmill pump installed at the center of the village is totally damaged;
- A reservoir is located 1.2 km to the south from the center of the village. The village relies on this reservoir for their water supply.

No.	Village	Province	Hydrogeological Classification	Province No.
M - 33	Loma Atravezada	Monte Cristi	Cordillera Septentrinal	I

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
67	280	+ 27 %	67	280	15	3.5
Source	System	Condition	Potential	Quality	Drilling Access	Others
Rain Water	S - I -1)	Very Poor	Very Low	Very poor	Good	-

Development Plan System	Tanklorry
Classification of the Plan	S - I -1)
Implementation Program	B -(S)

Location Map



M-33, M-2 and M-[illegible] are equipped with the same water supply development plan

Village Condition

M-33 Loma Atravezada

- Two reservoirs are installed approximately 4 km away from the village. these reservoirs do not dry up during the dry season and are both used as valuable water resources;
- Two concrete communal water tanks have been installed but are not been effectively used due to the irregular water distribution schedule of the tank lorry;
- There are several small streams in the area, but they only contain water after it has rained during the rainy season;
- Amount of rain water is very low;
- Groundwater development is assumed to be impossible.

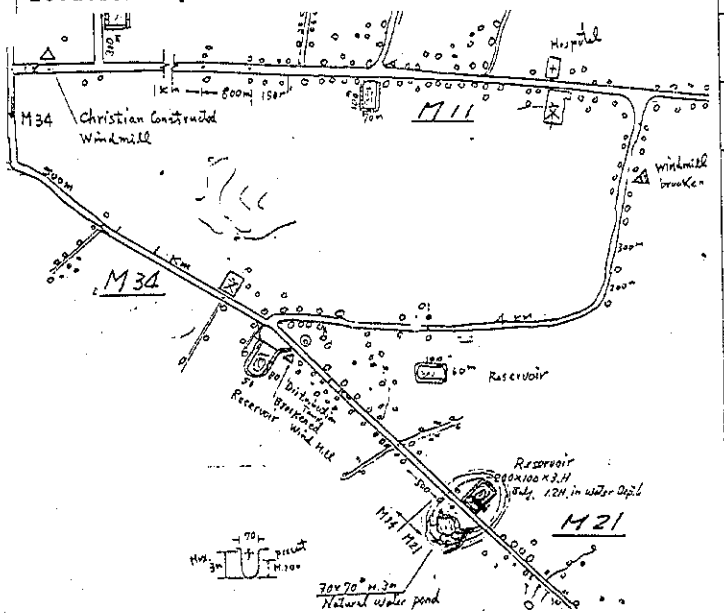
No.	Village	Province	Hydrogeological Classification	Province No.
M -34	Sabana Cruz	Monte Cristi	Cordillera Septentional	I

Water Supply Present Condition (1990)		
Household	Population	Growth Rate 1981-1990
126	548	+ 18 %
Source	System	Condition
Rain Water	S - I -1)	Very Poor

Water Supply Development Plan for 2000			
Household	Population	Consumption (L/c/d)	Demand(L/min)
148	647	40	21
Potential	Quality	Drilling Access	Others
Very Low	Very Poor	Good	-

Development Plan System	Surface Water Treatment System
Classification of the Plan	S - I -2)
Implementation Program	A -(s)

Location Map



Village Condition

M-34 Sabana Cruz

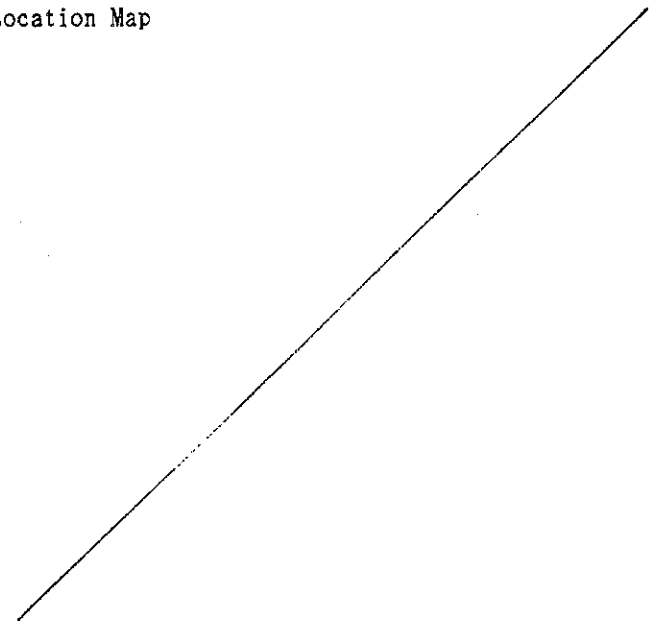
The road leading to M34 are the same roads leading to other villages. M34 Sabana Cruz is located at the western end of the cross road connecting Papaya-Copey-Gayal. It is the first village from the national road.

- A reservoir has been constructed at the northern end of the village. The reservoir at the center of the village, however, is only used to supply livestock water during the dry season due to the pollution caused by free-roaming livestock;
- The reservoir at the northern end dries up during the dry season;
- The windmill pump well that has been constructed adjacent to the reservoir at the central area has been removed. The quality of the groundwater is considered to contain large amount of salt;
- The central reservoir has no embankment to collect the run-off water coming from the northern plateau.

No.	Village	Province	Hydrogeological Classification	Province No.
M -35	El Cacao	Monte Cristi	Cordillera Septentional	I

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
-		-	-	-		-
Source	System	Condition	Potential	Quality	Drilling Access	Others
-	-	-	-	-	-	-

Location Map



Development Plan System	Village Dispersion
Classification of the Plan	-
Implementation Program	

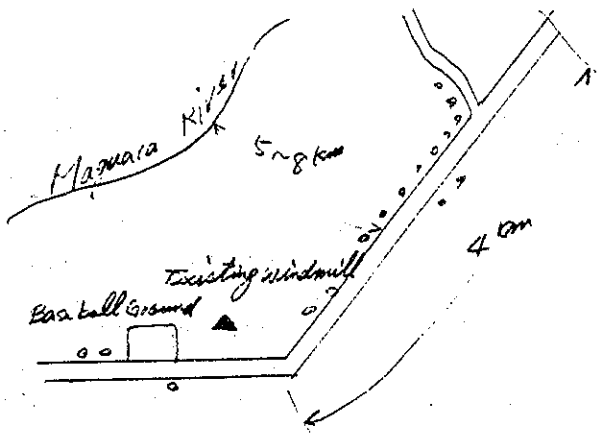
Village Condition

Village Dispersion

No.	Village	Province	Hydrogeological Classification	Province No.
M -36	La Hona	Monte Cristi	Sur del Yaque del Norte	III

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
50	205	+ 28 %	63	263	40	26
Source	System	Condition	Potential	Quality	Drilling Access	Others
River, Well	S-III-1), G-III-2	Poor	Very Low	Poor	Good	-

Location Map



Development Plan System	In future formulate
Classification of the Plan	S -III -1)
Implementation Program	C -(S)

Village Condition

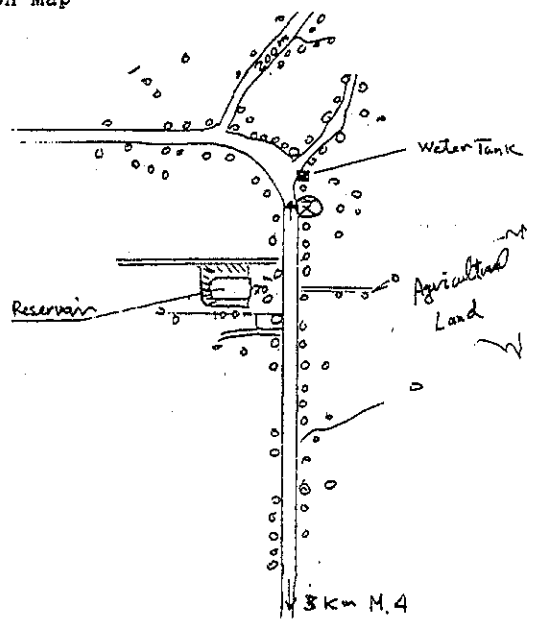
M-36 La Hona

- The windmill pump well at the southern end of the village produces insufficient amount of water due to poor winds. The villagers living farther rely on the surface water of the Maguaca River.
- Groundwater development is assumed to be impossible due to a very low water potential.

No.	Village	Province	Hydrogeological Classification	Province No.
M -37	El Manantial	Monte Cristi	Candill Septentional	I

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
92	336	- 0.0 %	92	336	40	11
Source	System	Condition	Potential	Quality	Drilling Access	Others
Rain Water	S - I -1)	Very Poor	Very Low	Very Poor	Poor	-

Location Map



Development Plan System	Tanklorry
Classification of the Plan	S - I -1)
Implementation Program	B -(S)

Village Condition

M-37 El Manantial

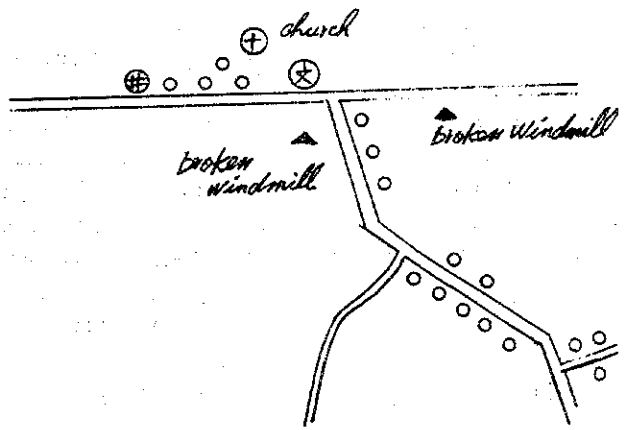
Located along the local road that runs through M31 and M4.
It is situated approximately 3 km to the north of M4.
Elevation: 156-160 m.

- A reservoir with a storage capacity of approximately 20,000 m3 is constructed at the center of the village, but due to free-roaming livestock and decline in the water level, it has become polluted and is only used in the dry season for miscellaneous purposes;
- There are three natural ponds situated 1 km - 600 m away from the center of the village, however, it dries up completely in some years during the dry season;
- Although a communal concrete water tank is installed at the center of the village, the distribution schedule of the tank lorry is irregular. Each family independently saves 200-400 liters of water from the tank lorry.

No.	Village	Province	Hydrogeological Classification	Province No.
D-1	Palo Blanco	Dajabon	Sur del Yaque del Norte	III

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
80	354	+3.5%	93	366	60	18
Source	System	Condition	Potential	Quality	Drilling Access	Others
Well	G-I-1	Good	High	Good	Good	-

Location Map



Development Plan System	Motorized Pump System
Classification of the Plan	G-I-2
Implementation Program	C-(G)

Village Condition

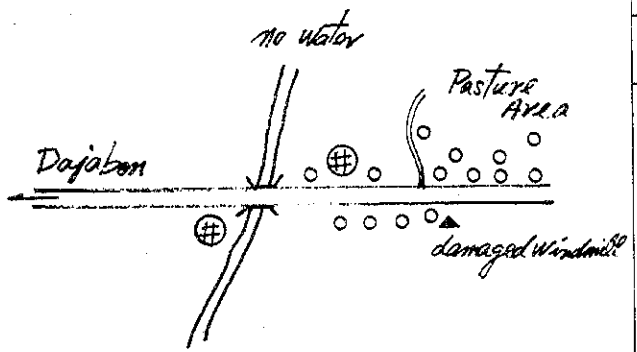
D-1 Palo Blanco

- Model construction of the Motorized Pump System was carried out by JICA in 1991.
- The majority of the villagers collect water surface from the Macabausite River located approximately 4.5 km away.
- Along the road that forks at the center of the village, at about 1 km from the central area, is a windmill pump well. The shaft of the well, however, have been removed.

No.	Village	Province	Hydrogeological Classification	Province No.
D-2	Cayuco	Dajabon	Sur del Yaque del Norte	III

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
94	377	-0.0	94	377	60	16
Source	System	Condition	Potential	Quality	Drilling Access	Others
Well	G-I-1	Poor	High	Good	Good	-

Location Map



Development Plan System	Motorized Pump System
Classification of the Plan	G-I-2)
Implementation Program	A-(G)

Village Condition

D-2 Cayuco

Located 8 km northest of Dajabon.
A plateau with an elevation of more or less 50 m.

- 4 hand pump wells are constructed at an interval of approximately 2.0 km. All of these wells are functioning effectively.
- There is a damaged windmill pump well left unattended at the eastern end of the village.
- The road is comparatively flat and houses are constructed on both sides at an interval of 50 - 100 m.

No.	Village	Province
D-3	Laja	Dajabon

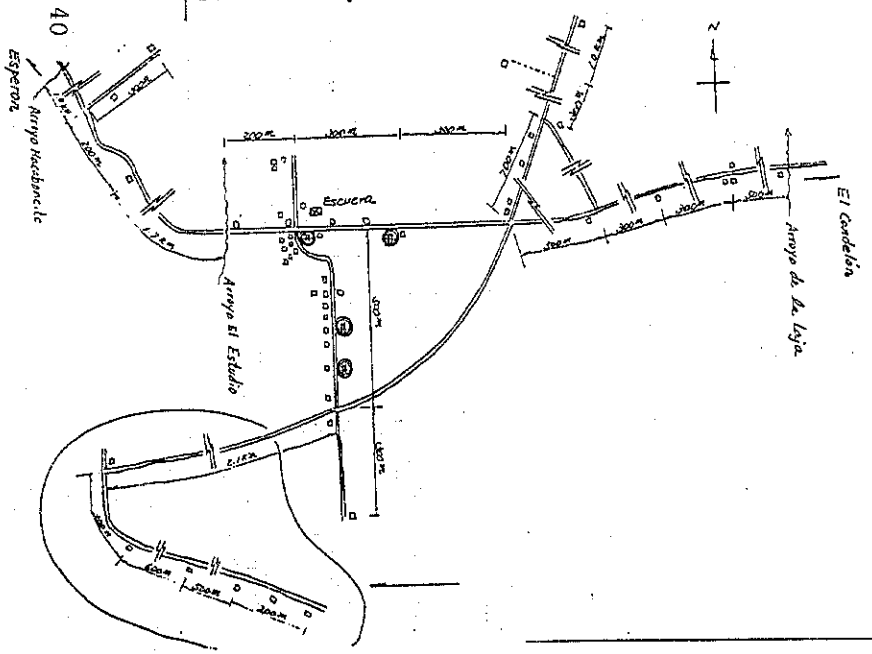
Hydrogeological Classification	Province No.
Cordillera Central	IV

Water Supply Present Condition (1990)		
Household	Population	Growth Rate 1981-1990
50	400	-11.0%
Source	System	Condition
Hand Pump	G-I-2)	Poor

Water Supply Development Plan for 2000			
Household	Population	Consumption (L/c/d)	Demand(L/min)
50	400	40	40
Potential	Quality	Drilling Access	Others
High	Good	Good	-

Development Plan System	Hand Pump x4
Classification of the Plan	G-I-1)
Implementation Program	B-(G)

Location Map



Village Condition

D-3 Laja

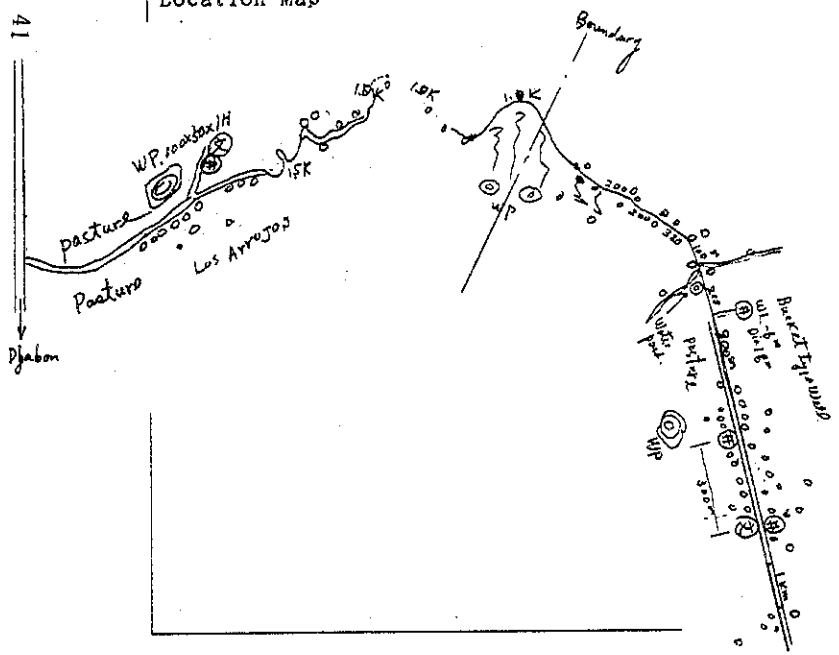
- Existing four hand pumps are functioning effectively in the central village where approximately 30 households exist.
- Others inhabitants of the village use water of small rivers.

No.	Village	Province	Hydrogeological Classification	Province No.
D-4	La Cienage	Dajabon	Cordillera Central	IV

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand (L/min)
100	516	+38%	138	712	40	70
Source	System	Condition	Potential	Quality	Drilling Access	Others
Hand Pump	G-I-3)	Good	High	Good	Good	-

Development Plan System	Existing Wells
Classification of the Plan	G-I-1)
Implementation Program	C-(G)

Location Map



Village Condition

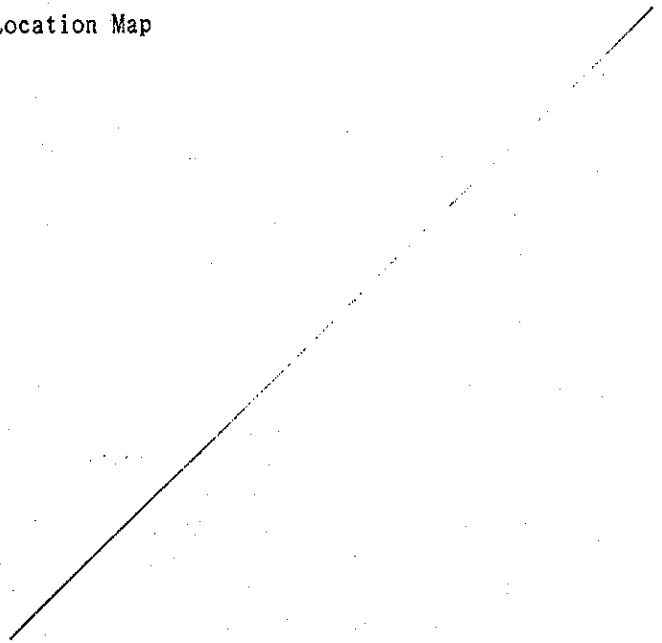
D-4 La Cienage

- Two wells approximately 300 m apart were constructed by INAPA. Both wells function effectively and are used by the villagers.
- A well excavation measuring 1.80 diameters can be found within the scrubs located on the northern side of the road at the area sloping downwards. With a 6 m water level, the well is widely used by the residents.
- Groundwater flowing from the base rock at the mountain gathers at a 200 m2 marsh.
- The villagers at the western end collect water from the nearest swamp.

No.	Village	Province	Hydrogeological Classification	Province No.
D-5	Clavellina	Dajabon	Cordillera Central	IV

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
83	336	+24.0%	102	418	40	62
Source	System	Condition	Potential	Quality	Drilling Access	Others
Hand Pump	G-I-1)	Poor	High	Good	Good	-

Location Map



Development Plan System	Hand pump x 4
Classification of the Plan	G-I-1)
Implementation Program	B-(G)

Village Condition

Located 6 km east of Dajabon.
Fields and pastures with comparatively few ondulations.
To the north is a rice paddy lowland area; the southern area gently slopes toward the hilly region.
The village is structured on both sides of the road, particularly on the southern part of the road.

- There are wells constructed by INAPA. However, only one of these wells functions effectively. The others are damaged and left unattended;
- The farmers on the northern side of the road located at the fields, in the western entrance of the village, dug a draw well. The well's water level was 9.7 m during the survey;
- At the eastern end of the village is a reservoir/pond closing the confluence of Jacuba and Arrojpuete. The water in this pond is used as irrigation water and is used as domestic water by 106 households. The use of the pond was proposed to approximately 800 households.

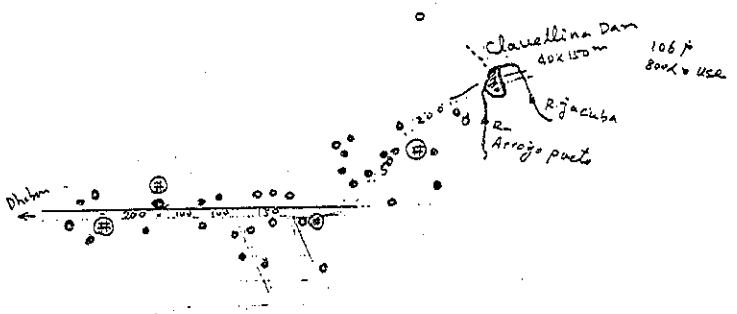
No.	Village	Province	Hydrogeological Classification	Province No.
D-6	Sabana Santiago	Dajabon	Cordillera Central	IV

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
92	396	-0.0%	92	396	40	40
Source	System	Condition	Potential	Quality	Drilling Access	Others
Hand Pump	G-I-3)	Good	High	Good	Good	-

Development Plan System	Existing Wells
Classification of the Plan	G-I-1)
Implementation Program	C-(G)

Location Map

D.6. Sabana De Santiago



Village Condition

D-6 Sabana Santiago

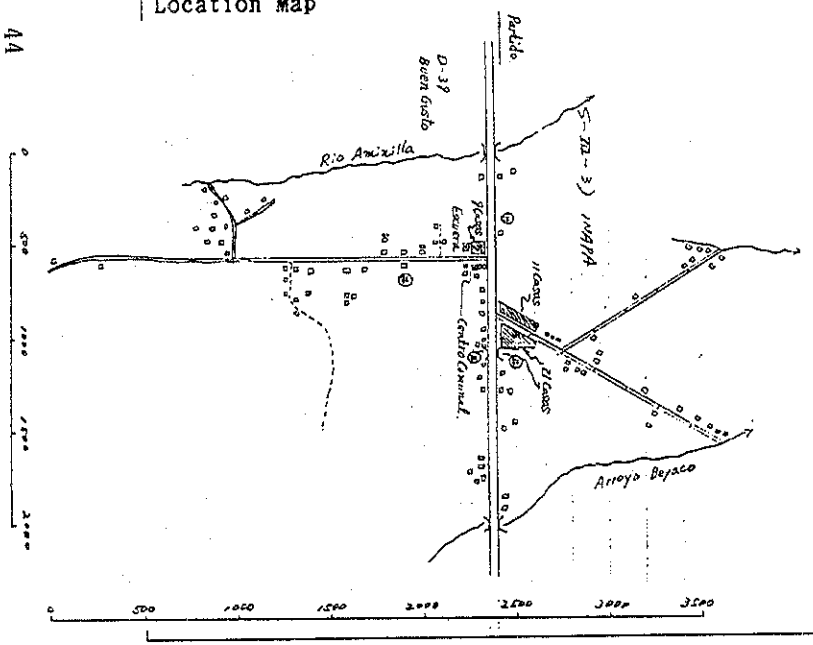
The village condition is good.
- Handpumps are used by the villagers for domestic water.

No.	Village	Province	Hydrogeological Classification	Province No.
D-7	El Rodeo	Dajabon	Cordillera Central	IV

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
134	693	+45.0%	328	1697	60	84
Source	System	Condition	Potential	Quality	Drilling Access	Others
Hand Pump	G-I-3)	Good	High	Good	Good	-

Development Plan System	Under Construction by INAPA
Classification of the Plan	S-III-2)
Implementation Program	C-(S)

Location Map



Village Condition

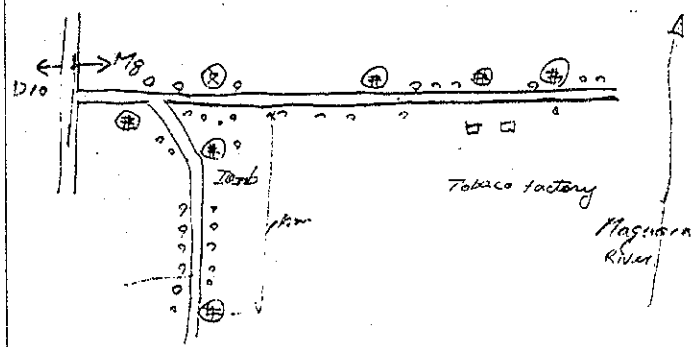
D-7 El Rodeo

- Development plan under construction by INAPA.

No.	Village	Province	Hydrogeological Classification	Province No.
D-8	La Gorra	Dajabon	Cordillera Central	IV

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
96	470	+36.0 %	131	642	60	32
Source	System	Condition	Potential	Quality	Drilling Access	Others
Hand Pump	G-I-2)	Very poor	Low	Poor	Good	-

Location Map



Development Plan System	Hand Pump x 6
Classification of the Plan	G-I-1)
Implementation Program	A-(G)

Village Condition

D-8 La Gorra

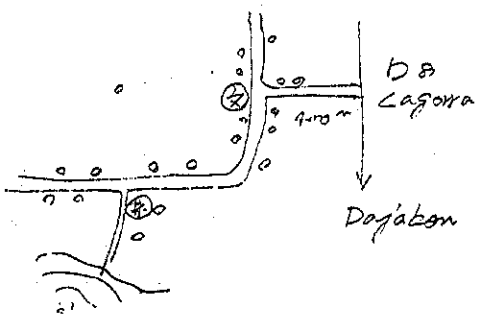
Located 20 km east of Dajabon.
A vast and topographically flat farming region. The area is traversed by a sharply curving road. The eastern end of the village faces the eroded valley of Maguaca River and slopes down steeply.

- 5 wells by INAPA and 1 by the Christian Service Group. All of these are hand pump wells;
- The well at the northeastern end tastes of iron probably because the pumps corroded state, while the well at the southern end produces very salty water.
- 6 handpumps will be implemented.

No.	Village	Province	Hydrogeological Classification	Province No.
D-9	La Barrera	Dajabon	Cordillera Central	IV

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
42	198	- 53.0 %	42	198	40	20
Source	System	Condition	Potential	Quality	Drilling Access	Others
Hand Pump	G-I-2)	Poor	Low	Poor	Good	-

Location Map



Development Plan System	Hand Pump x 2
Classification of the Plan	G-I-1)
Implementation Program	B-(G)

Village Condition

D-9 La Barrera

Located 400 m north of an area approximately 500 m across the Maguaca River at the eastern end of La Gorra.
From the northern end of a flat farming area, the village is located along the lateral road entering a hilly region.
Upon entering the road, a mountain comes into view, and the road goes uphill as it approaches the mountain.
400 meters from the road is a school, and 10 houses gather around the school. The rest of the population live in small farm houses built at 100-200 m interval.

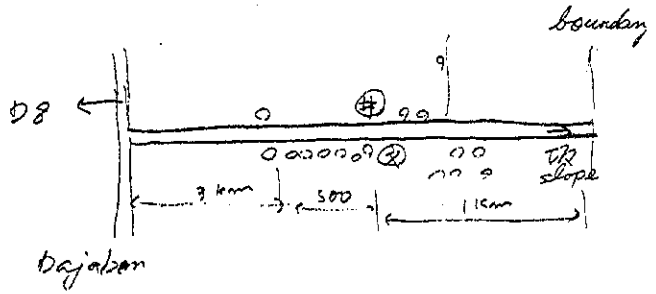
- An effectively functioning hand pump well is constructed approximately 600 m from the school.

- 2 hand pumps will be implemented.

No.	Village	Province	Hydrogeological Classification	Province No.
D-10	El Estrecho	Dajabon	Cordillera Central	IV

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
25	200	- 0.0 %	25	200	40	20
Source	System	Condition	Potential	Quality	Drilling Access	Others
Hand Pump	G-I-1)	Very Poor	Low	Poor	Good	-

Location Map



Development Plan System	Hund Pump x 2
Classification of the Plan	G-I-1)
Implementation Program	A-(G)

Village Condition

D-10 El Estrecho

A village across fields and pastures located approximately 3 km to the south from an area located 700 m east of central La Gorra. A small village where 70% of the population resides within 500 meters from the starting point of the village, while the remaining resides within 1 km from the starting point. The existing farm houses are small and poor.

- There is a hand pump well at the center of the village, however, it has been damaged and left unattended;
- The Maguaca River which is approximately 2 km ahead of the village is the only available water resource. Livestock is used to carry water collected from the river.

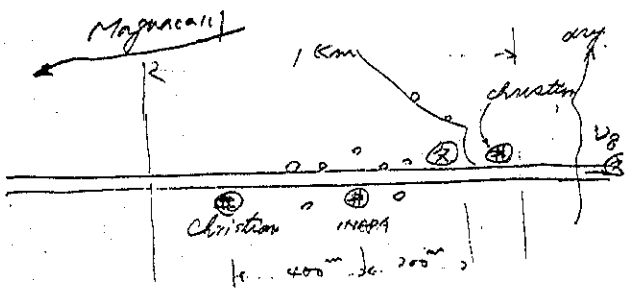
No.	Village	Province	Hydrogeological Classification	Province No.
D-11	El Llano	Dajabon	Cordillera Central	IV

Water Supply Present Condition (1990)		
Household	Population	Growth Rate 1981-1990
65	276	+ 14.0 %
Source	System	Condition
Hand Pump	G-I-1)	Very Poor

Water Supply Development Plan for 2000			
Household	Population	Consumption (L/c/d)	Demand(L/min)
65	276	40	27
Potential	Quality	Drilling Access	Others
Low	Poor	Good	-

Development Plan System	Hand Pump x 3
Classification of the Plan	G-I-1)
Implementation Program	A-(G)

Location Map



Village Condition

Approximately 1 km west from the center of D8 La Gorra.
150 meters away from the farmhouses at the end of La Gorra's detached area.
Divided by the plains of La Gorra and a small swamp. To the south is a long and narrow plateau adjacent to the hills.
Only half of the village official population was confirmed along the village road. Topographically speaking, it is also difficult to think that the rest of the population resides at the back region. As a matter of fact, it is appropriate to assume that a village break up reduced the population to half.

- 1 INAPA hand pump well and 2 wells donated by the Christian Service Group. The wells donated by the Christian Service Group was constructed in 1982 and both pumps are damaged and left unattended;
- There are two small marshes effectively providing water for miscellaneous purposes;
- Water for more important uses is collected from Maguaca River located 1 km ahead.

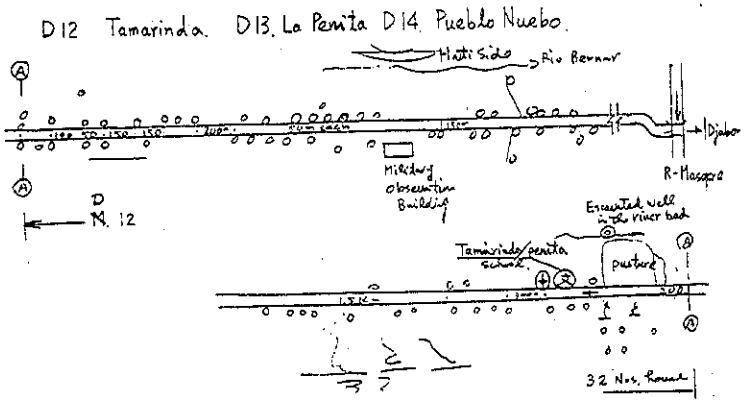
No.	Village	Province	Hydrogeological Classification	Province No.
D-12	Tamarindo	Dajabon	Cordillera Central	IV

Water Supply Present Condition (1990)		
Household	Population	Growth Rate 1981-1990
32	186	- 14.0 %
Source	System	Condition
River	S-III-1)	Poor

Water Supply Development Plan for 2000			
Household	Population	Consumption (L/c/d)	Demand(L/min)
32	186	40	19
Potential	Quality	Drilling Access	Others
Low	Poor	Very Poor	-

Development Plan System	River Water
Classification of the Plan	S-III-1)
Implementation Program	C-(S)

Location Map



Village Condition

D-12 Tamarinda

Located along the Haiti Border 15 km southwest of Dajabon.
The topography on both sides of the road along the ridge of the hills of the Haiti Border varies greatly, forming here and there gently sloping plateaus used as farms and pasture. The village is structured along the road at an interval of 50-200 m.
Going down south on the ridge on the way to the excavated road is a road rich in shifting undulations.
The end of the downhill area is the boundary between D12 and D13 La Penita.

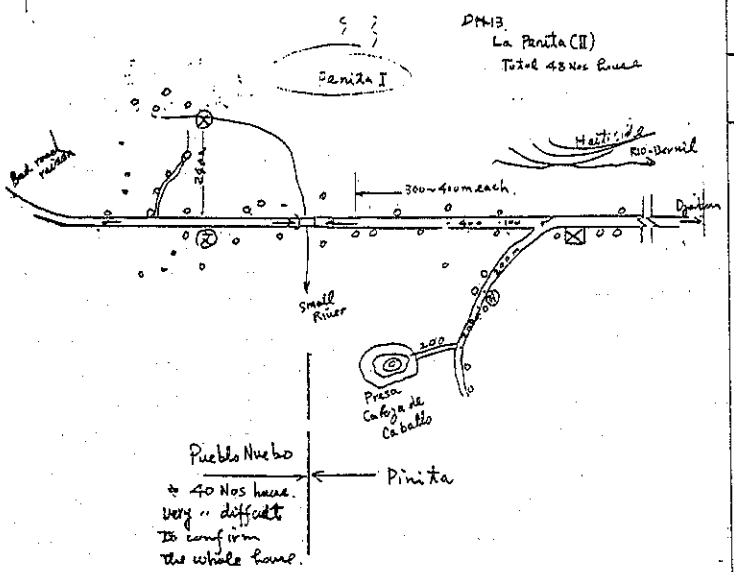
- Masacre River is the main water resource; water is collected from the spring water located at the lower area of the plateau during the rainy season.
- Groundwater development is assumed to be impossible.

No.	Village	Province	Hydrogeological Classification	Province No.
D-13	La Penita	Dajabon	Cordillera Central	IV

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
79	343	+ 13.0 %	89	388	40	39
Source	System	Condition	Potential	Quality	Drilling Access	Others
Hand Pump	G-I-1)	Poor	Low	Good	Good	-

Development Plan System	Hand Pump x 4
Classification of the Plan	G-I-1)
Implementation Program	B-(G)

Location Map



Village Condition

D-13 La Penita

Located 15-18 km southwest of Dajabon.
The village is divided into 2 groups according to its topographical features. One of the group resides in a comparatively flat plateau, while the other group resides along the road excavated at the slope of the hill.
The distance between the two groups measures more than 2 km. The industrial conditions and the structure of the 2 village groups also differ.

- The villagers situated in the plateau effectively uses a hand pump well;
- The Cazeka de Caballo pond/reservoir (INDRHI) is approximately 400 m away;
- A water collecting channel was constructed at the stream of the slope at the lower part of the plateau.
- There is abundant water only during the dry season and direct water intake can be conducted through these water collecting channels.

No.	Village	Province	Hydrogeological Classification	Province No.
D-14	Pueblo Nuevo	Dajabon	Cordillera Central	IV

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
62	225	+ 8.0 %	65	243	40	24
Source	System	Condition	Potential	Quality	Drilling Access	Others
Stream	S-IV-1)	poor	Low	Good	Good	-

Location Map

Development Plan System	Hand Pump x 2
Classification of the Plan	G-I-1)
Implementation Program	B-(G)

Village Condition

D-14 Pueblo Nuevo

The neighboring village of D13.
An area rich in topographical variations located in the middle of the D13 plateau and the succeeding plateau. The center of the village is a hollowed area. 10 houses are constructed along the road while the others reside at the back region.
Since the villagers have a strong tendency to break up, the village population was reduced to half. 6-7% of approximately 40 houses are divided into 3-4 groups. These villagers reside in the inland area far from the road. It is difficult to confirm their exact number.

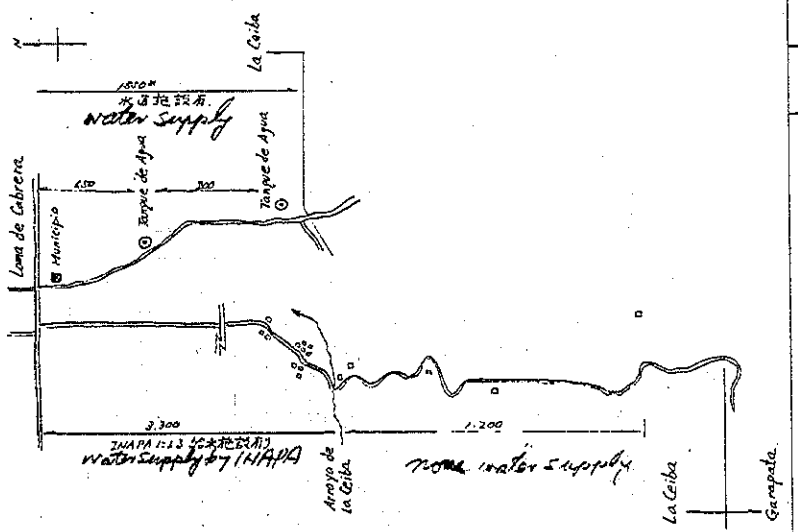
- There is a hand pump well near the stream flowing through the 2 plateaus. The pump, however, is damaged and is left unattended.
  The villagers constructed a water collecting channel in the river bed to enable water intake.

No.	Village	Province	Hydrogeological Classification	Province No.
D-15	La Ceiha	Dajabon	Cordillera Central	IV

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
300	2400	- 0.0 %	300	2400	60	120
Source	System	Condition	Potential	Quality	Drilling Access	Others
River	S-III-3)	Good	Poor	Good	Good	-

Development Plan System	Surface Water Treatment System
Classification of the Plan	S-III-3)
Implementation Program	C-(S)

Location Map



Village Condition

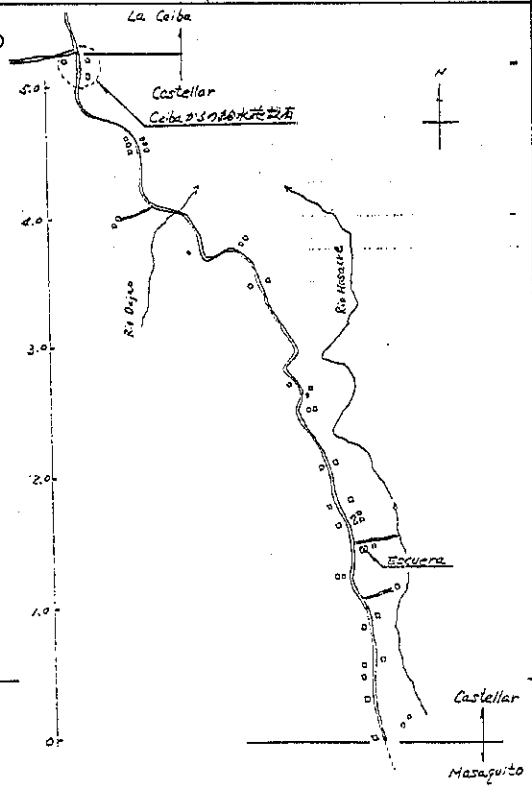
D-15 La Ceiha

- Water supply of the village is distributed from the water treatment plant of Loma de Cabrera, which intakes water from the Rio Masacre.
- Only four households are not supplied in the village.

No.	Village	Province	Hydrogeological Classification	Province No.
D-16	Castellar	Dajabon	Cordillera Central	IV

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
43	344	- 0.0 %	43	344	60	17
Source	System	Condition	Potential	Quality	Drilling Access	Others
River	S-III-3)	Poor	Low	poor	poor	-

Location Map



Development Plan System	Expansion of the existing System
Classification of the Plan	S-III-3)
Implementation Program	C-(S)

Village Condition

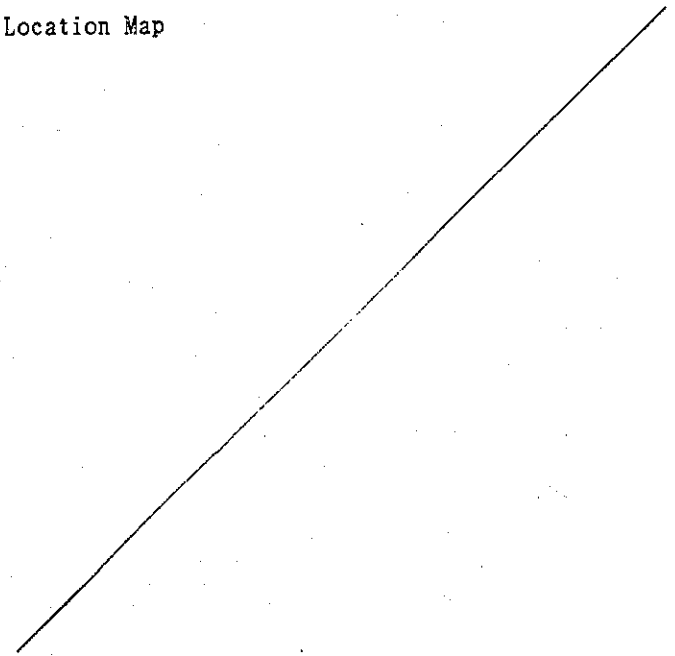
D-16 Castellar

The neighboring village of D15, La Ceiha.
- Three households are supplied;
- Recommendation: expansion of the Loma de Cabrera treatment plant.

No.	Village	Province	Hydrogeological Classification	Province No.
D-17	Masaquito	Dajabon	Cordillera Central	IV

Water Supply Present Condition (1990)			Water Supply Development Plan for 2000			
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
19	93	- 64.0 %	-	-	-	-
Source	System	Condition	Potential	Quality	Drilling Access	Others
River	S-III-3)	Poor	Low	Poor	Poor	-

Location Map



Development Plan System	Village Dispersion
Classification of the Plan	-
Implementation Program	-

Village Condition

Village Dispersion