## 6. Water Quality Analysis

Table(1) Water Quality AnalysisExperiment Station of INAPA

Location: Monte Cristi M.1-1

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No.	S.D.	A.D.	LOCATION	U.T TURB	U. C COLOR	Hd	mg/t T.S	mg/e FE	mg/f	mg/ℓ ZN	mg/f CA	mg/ℓ MG	пg/{ SO4	CL ng/
I-WM	11.10.90		12.10.90 M. CRISTI (RIO GUAYUBIN)	more than more than 5 10	more than 10	6.7		0.0	0.0	0.0	50.0	33.0		8.0
ભ	*	*	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
ကို	11.11.90	*	M. CRISTI (VILLA VASQUEZ) POZO PRIVADO	more than more than 5 10	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
ιç	11.14.90	*	M. CRISTI (GUAYUBIN) POZO AGUAS DE LA PAL	more than more than 5 10	more than 10	7.8		more than 10 less than 20	0.0	0.0	468.0	1,152.0		1,475.0
φ	*	*	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
- 2-	*	*	M. CRISTI (LAGUNA EL COPEY)	more than 5	more than more than 5 10	1.7		0.5	0.0	0.0	57.0	11.0		4.0
ŏφ	11.15.90	*	M. CRISTI (POZO LA PINTA)	less than 1	8	6.7		1.0	0.0	0.5	101.0	122.0		162.0
တု	*	*	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 more than 5 10	7.6		0.0	0.0		0.06	148.0	320.0	64.0
11-	*	*	M. CRISTI (BATEY WALTERIO SED. PTA. TRATAMIENTO)	less than 1	63	8.2		0.0	0.0		57.0	129.0	168.0	195.0

Location: Monte Cristi M.1 - 1

Table(2) Water Quality AnalysisExperiment Station of INAPA

r <sub>r</sub> .		ľ	T	T		0.4	ĭ			T	<u> </u>
FEC. COLIF	4.0	9.0	0.0	0.0	0.0	more than 101	6.0	0.6	0.0		
TOT. COLIF	0.7	24.0	0.0	0.0	0.0	0.0	more than 100	5.0	0.0		
mg/l NH4-N	0.0	0.0	more than 1.6 less than 4	0.0	0.0	0.0	0.0	0.0	0.0		
mg/f NO <sub>2</sub> -N	0.0	0.0	0.03	0.0	0.06	0.3	0.0	0.0	0.0	0.0	0.0
mg/f KMNO4	15.0	more than 5 5 less than 10	0.0	5.0	15.0	5.0	20.0	10.0	5.0	18.0	5.0
mg/e CO2	3.0	9.0	4.0	2.0	11.0	5.0	8.0	8.0	5.0	9,0	2.0
mg/e CO3	1.0	2.0	0.0	2.0	2.0	3.0	0.0	2.0	5.0	0.0	2.0
mg/f HCO <sub>3</sub>	117.0	235.0	61.0	141.0	345.0	266.0	98.0	259.0	325.0	188.0	144.0
mg/ <i>e</i> K	48.0	90.0	6,896.0	245.0	618.0	132.0	28.0	207.0	125.0	292.0	319.0
mg/f NA	28.0	53.0	4,067.0	144.0	364.0	80.0	16.0	122.0	73.0	173.0	188.0
mg/f T.H	83.0	161.0	2,700.0	137.0	1,620.0	162.0	68.0	223.0	86.0	238.0	186.0
LOCATION	12.10.90 M. CRISTI (RIO GUAYUBIN)	M. CRISTI (POZO SANTA MARIA)	M. CRISTI (VILLA VASQUEZ) POZO PRIVADO	M. CRISTI (PEPILLO, SALCEDO) POZO SANITA	M. CRISTI (GUAYUBIN) POZO AGUAS DE LA PAL	PTC. PTA (TIBURCIO) MANANTIAL EL BARRIL	M. CRISTI (LAGUNA EL COPEY)	M. CRISTI (POZO LA PINTA)	M. CRISTI (POZO SANTA CRUZ)	M. CRISTI (OBRA DE TOMA)	M. CRISTI (BATEY WALTERIO SED. PTA. TRATAMIENTO)
A.D.	12.10.90	*	*	*	*	*	*	· •	*	1.18.91	1
S.D.	11.10.90	*	11.11.90	. *	11.14.90	*	*	11.15.90		1.11.91	*
No.	1-WW	ې بې	φ	4	ېد م	φ	t <sub>i</sub>	φ	ο <sub>1</sub>	-10	-11

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Location: Monte Cristi M.1 - 2

Table(3) Water Quality AnalysisExperiment Station of INAPA

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	CL CL	280.0	8.0	70.0	10.0	40.0	0. 6	38.0	8.0	42.0	36.0	14.0
	mg/ℓ SO₄											450.0
	mg/l MG	122.0	18.0	66.0	47.0	61.0	21.0	80.0	140.0	95.0	248.0	43.0
Ē	mg/ℓ CA	108.0	58.0	36.0	72.0	68.0	47.0	100.0	81.0	95.0	38.0	62.0
	ZN ZN	0.5	0.0	0.5	0.0	0.0	0.0					
	mg/f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	${ m mg}^\ell$	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
	mg/f T.S											
	Ηd	8.0	7.7	8.4	8.3	8.0	8.2	7.7	8.1	7.9	7.7	8.0
	U.C COLOR	less than 2	more than 10	more than 2	10.0	less than 2	more than 5 less than 10	less than 10	5	more than 2	2	2
	U.T TURB	1.0	more than more than 5 10	more than more than 1 2	more than 2 less than 5	less than 1	less than 1	less than 5	1	1	1	less than 1
	LOCATION	12.10.90 M. CRISTI (POZO LA PINTA)	M. CRISTI (RIO CHACUEY)	M. CRISTI (POZO CARNERO)	M. CRISTI (RIO CAÑA) GUAYUBIN	M. CRISTI (RIO MACABONCITO) PALO BLANCO	11.19.90 M. CRISTI (CAS TAÑUELA) CISTERNA LICEO	RIO YAQUE DEL NORTE M. CRISTY BATEY WALTERIO	M. CRISTI (EL CERCADO RIO VALLE JUELO)	M. CRISTI (BATEY LA JUDEA)	M. CRISTI (POZO SANTA MARIA)	ENTRADA OBRA DE TOMA AC. GUAYUBIN, RIO GUAYUBINCITO
	A.D.	12.10.90	*	*	*	*	11.19.90	1.10.91	۲	*	*	1.18.91
	S.D.	11.10.90	*	*	*	*	-17 11.9.90	12.19.90	*	*	*	1.11.91
	No.	MW-12	-13	-14	-15	-16	-17	-18	-19	-20	-21	-22

Location: Monte Cristi M.1-2

Table(4) Water Quality AnalysisExperiment Station of INAPA

TOT. FEC. COLIF COLIF	0.0 3.0	6.0 4.0	27.0 3.0	3.0 7.0	5.0 8.0	an 0.0 35.0					
mg/e NH4-N	0.0	0.0	0.0	0.0	0.0	n more than 0.4 less than 0.8					
mg/ℓ NO <sub>2</sub> -N	0.0	0.06	0.0	0.015	0.03	more than 0.03 less than 0.06					0.0
mg/ℓ KMNO4	5.0		5.0	15.0	more than 10 less than 15	15.0					8.0
$mg/\ell$ CO <sub>2</sub>	4.0	3.0	4.0	2.0	3.0	2.0	5.0	2.0	2.0	11.0	2.0
mg/t CO <sub>3</sub>	2.0	1.0	13.0	4.0	5.0	5.0	1.0	1.0	1.0	2.0	1.0
${ m mg}/\ell$ HCO <sub>3</sub>	222.0	81.0	457.0	163.0	169.0	133.0	121.0	138.0	113.0	180.0	109.0
mg/ℓ K	301.0	13.0	363.0	45.0	79.0	59.0				36.0	56.0
mg/f NA	178.0	8.0	214.0	27.0	46.0	36.0				21.0	33.0
mg/f T.H	230.0	76.0	102.0	119.0	126.0	68.0	180.0	148.0	190.0	286.0	105.0
LOCATION	12.10.90 M. CRISTI (POZO LA PINTA)	M. CRISTI (RIO CHACUEY)	M. CRISTI (POZO CARNERO)	M. CRISTI (RIO CAŇA) GUAYUBIN	M. CRISTI (RIO MACABONCITO) PALO BLANCO	11.19.90 M. CRISTI (CAS TAÑUELA) CISTERNA LICEO	RIO YAQUE DEL NORTE M. CRISTY BATEY WALTERIO	M. CRISTI (EL CERCADO RIO VALLE JUELO)	M. CRISTI (BATEY LA JUDEA)	M. CRISTI (POZO SANTA MARIA)	ENTRADA OBRA DE TOMA AC. GUAYUBIN, RIO
A.D.		*	*	*	*	11.19.90	1.10.91	*	. *	*	1.18.91
S.D.	11.10.90		*	*	*	11.9.90	12.19.90	*	*	*	1.11.91
No.	MW-12	-13	-14	-15	-16	-17	-18	61-	-20	-21	-22

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Table(5) Water Quality AnalysisExperiment Station of INAPA

Location: Dajabon D1-1

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.0 36.0 7.0 78.0	1.0 54.0 94.0 30.0	0.0 112.0 190.0 106.0	0.5	0.0 60.0 50.0 9.0	more than 2 less than 5 0 85.0 8.0	0.0 35.0 30.0 6.0	0.0 30.0 30.0 7.0 4.0	0.5 20.0 50.0 5.0 8.0	0.5 90.0 50.0 68.0	1.0 75.0 35.0 10.0	1.0 85.0 30.0 5.0 34.0	0.0 20.0 30.0 4.0
ng/t CU	0.0	0.0	0.0	0.0	0.0	0.0 les	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mg/ $\ell$ mg/ $\ell$ T.S FE	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.2	0.0	0.6	0.1	0.3	0.3
HH Hd	6.8	7.8	8.4	7.8	7.7	6.5	7.2	7.5	6.7	6.6	6.9	7.2	7.I
U.C COLOR	more than 10	2	more than 2 less than 5	more than 10	more than 5 5 less than 10	less than 2	more than 10	2	less than 2	less than 2	less than	less than 2	more than 10
U.T TURB	more than more than 5 10	less than 1	2.0	more than 2 less than 5	less than 2	7	2	<b>*</b> ~1	less than 1	less than 1	less than 1	less than 1	less than 5
LOCATION	DAJABON (POZO LA CIENEGA)	DAJABON(POZO LOS ARRO YO)	DAJABON (POZO LA CIENEGA)	11.12.90 REST (RIO NEYTA)	REST (ARROYO MARIANO)	REST (POZO MARIANO CESTERO)	L. CABRERA (ARROYO ENERCLIZA)	L. CABRERA (RIO ARTIBONITO)	L. CABRERA (POZO EL CAJUIL)	L. CABRERA (EL CA JUIL) LOS POMOS	L. CABRERA (POZO EL COROZO)	L. CABRERA (POZO LA PENITA ABAJ	L. CABRERA (PRESA CABESA DE CAB)
A.D.	12.10.90	*	*	11.12.90	*	*	*	*	*	*	*	*	*
S.D.	11.12.90	1 N 1	11.13.90	11.8.90	*	*	*	*	* .	*	*	*	*
No.	I-WQ	-2	η	4	'n	မု	2-	φ	6-	-10	11-	-12	-13

) Water Quality Analysis	int Station of INAPA
Table (6)	Experimen

Location: Dajabon D1 - 1

11.12.90         12.10.90         DAJABON (POZO LA CIENEGA)         43.0         53.0         90.0         49.0         10.0         Incretian 15         0.0         0.0         0.0         10.0         1658 than 20         0.0         0.0         0.0         10.		S.D.	A.D.	LOCATION	mg/f T.H	mg/f NA	mg/e K	mg/f HCO <sub>3</sub>	mg/e CO3	$mg'\ell$ $CO_2$	mg/f KMNO4	mg/f NO <sub>2</sub> -N	n-4-N	TOT. COLIF	FEC. COLIF
		11.12.90			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
I113.90 $\cdot$ DaJABON (POZOLA CIENEGA)         302.0 $77.0$ 130.0         2.0         5.0         0.0         0.0         0.0 $\prime$ <		*	*	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
11.8.90         11.12.90         REST (RIO NEVTA)         110.0         6.0         121.0         10.0         4.0         10.0         0.0         0.0 $*$ $*$ REST (ARROYO MARIANO)         110.0         6.0         10.0         1.0         4.0         10.0         0.0		11.13.90		DAJABON (POZO LA CIENEGA)	302.0	0.77	130.0	311.0	9.0	2.0	5.0	0.0	0.0	00	13.0
* $*$ REST (ARROYO MARIANO)         110.0         6.0         10.0         1.0         4.0         more than 5         0.0         0.0 $*$ $*$ REST (ARROYO MARIANO)         45.0         6.0         10.0         49.0         0.0         31.0         5.0         0.0         0.0 $*$ $*$ L.CABRERA (ARROYO         65.0         12.0         20.0         82.0         0.0         10.0         10.0         0.0         0.0         0.0 $*$ L.CABRERA (ARROYO         65.0         12.0         20.0         82.0         0.0         10.0<		11.8.90						121.0	1.0	4.0	10.0	0.0	0.0		
	1	*	*	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		
	1	*	*	REST (POZO MARIANO CESTERO)	45.0	6.0	10.0	49.0	0.0	31.0	5.0	0.0	0.0		
*         L. CABRERA (RIO ARTIBONITO)         60.0         12.0         21.0         73.0         0.0         4.0         more than 5         0.0         0.0           *         *         L. CABRERA (POZO EL CAJUIL)         70.0         17.0         28.0         90.0         0.0         36.0         55         0.0           *         *         L. CABRERA (POZO EL CAJUIL)         70.0         17.0         28.0         90.0         0.0         36.0         55         0.0           *         *         L. CABRERA (POZO EL CAJUIL)         140.0         21.0         35.0         90.0         0.0         36.0         55         0.0           *         *         L. CABRERA (POZO EL CAJUIL)         140.0         21.0         35.0         90.0         0.0         36.0         55         0.0           *         *         L. CABRERA (POZO EL COROZO)         110.0         12.0         21.0         30.0         50.0 <td>1</td> <td>*</td> <td><b></b></td> <td>L. CABRERA (ARROYO ENEROLIZA)</td> <td>65.0</td> <td>12.0</td> <td>20.0</td> <td>82.0</td> <td>0.0</td> <td>10.0</td> <td>more than 10 less than 15</td> <td>0.0</td> <td>0.0</td> <td></td> <td></td>	1	*	<b></b>	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		
*         L. CABRERA (POZO EL CAJUIL)         70.0         17.0         28.0         90.0         0.0         36.0         5         0.0           *          L. CABRERA (POZO EL CAJUIL)         140.0         21.0         35.0         90.0         0.0         44.0         5         0.0           *          L. CABRERA (EL CAJUIL)         140.0         21.0         35.0         90.0         0.0         44.0         5         0.0           *          L. CABRERA (FL CAJUIL)         140.0         21.0         35.0         90.0         0.0         44.0         5         0.0           *          L. CABRERA (POZO EL COROZO)         110.0         12.0         21.0         122.0         0.0         5         0.0           *          L. CABRERA (POZO EL COROZO)         115.0         27.0         47.0         122.0         0.0         5         0.0         0.0           *          L. CABRERA (POZO LA PEÑITA         115.0         27.0         47.0         122.0         0.0         5         0.0         0.0           *            27.0         47.0         54.0         0.0         50.		*	*	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		
*         L.CABRERA (EL CAJUIL)         140.0         21.0         35.0         90.0         44.0         5         0.0           *         LOS POMOS           *         L.CABRERA (POZO EL COROZO)         110.0         12.0         21.0         30.0         5         0.0         0.0           *         L.CABRERA (POZO EL COROZO)         110.0         12.0         21.0         122.0         0.0         30.0         5         0.0           *         L.CABRERA (POZO LA PEÑTA         115.0         27.0         47.0         122.0         0.0         15.0         5         0.0           *         L.CABRERA (POZO LA PEÑTA         115.0         27.0         47.0         122.0         0.0         5         0.0         5           *         D.CABRERA (PRESA CABESA         50.0         4.0         7.0         54.0         0.0         8.0         60.0         0.0	တု	*	*	L. CABRERA (POZO EL CAJUIL)	70.0	17.0	28.0	90.0	0.0	36.0	ŭ	0.0	0.0		
*       L. CABRERA (POZO EL COROZO)       110.0       12.0       21.0       122.0       0.0       50.0       5       0.0         *       *       L. CABRERA (POZO LA PEÑTA       115.0       27.0       47.0       122.0       0.0       15.0       5       0.0         *       *       L. CABRERA (POZO LA PEÑTA       115.0       27.0       47.0       122.0       0.0       15.0       5       0.0         *       *       L. CABRERA (POZO LA PEÑTA       115.0       27.0       47.0       122.0       0.0       15.0       5       0.0         *       *       DE CAB)       50.0       4.0       7.0       54.0       0.0       8.0       less than 20       0.0	1 0		*	L. CABRERA (EL CA JUIL) LOS POMOS	140.0	21.0	35.0	90.06	0.0	44.0	ъ	0.0	0.0		
*         L. CABRERA (POZO LA PEÑITA         115.0         27.0         47.0         122.0         0.0         15.0         5         0.0           *         *         L. CABRERA (POZO LA PEÑITA         115.0         27.0         47.0         122.0         0.0         15.0         5         0.0         10	1	*	*	L. CABRERA (POZO EL COROZO)	110.0	12.0	21.0	122.0	0.0	30.0	ũ	0.0	0.0		
*         L. CABRERA (PRESA CABESA         50.0         4.0         7.0         54.0         0.0         8.0         more than 15         0.0           *         DE CAB)         DE CAB)         50.0         4.0         7.0         54.0         0.0         8.0         less than 20         0.0	1 01		*	L. CABRERA (POZO LA PEÑITA ABAJ	115.0	27.0	47.0	122.0	0.0	15.0	ະເ	0.0	0.0		
	1 00		*	L. CABRERA (PRESA CABESA DE CAB)	50.0	4.0	7.0		0.0	8.0	more than 15 less than 20	0.0	0.0		

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Table(7) Water Quality AnalysisExperiment Station of INAPA

Location: Dajabon 1-2

ng/l CL	8.0	12.0	25.0	9.0	11.0	25.0	7.0	12.0	10.0	8.0	5.0	10.0	16.0
mg/f SO4	0.0												
mg/f MG	20.0	43.0	0.67	51.0	50.0	108.0	54.0	115.0	36.0	43.0	61.0	43.0	159.0
mg/ℓ CA	50.0	43.0	54.0	25.0	36.0	50.0	36.0	90.0	32.0	58.0	47.0	58.0	32.0
mg/f	0.0	1.5	more than 1 less than 2.0	0.0	0.0	0.5	0.5	3.0	0.0	0.0	less than 5	less than 5	1.0
mg/f CU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mg/e FE	0.5	2.0	0.0	0.0	0.0	0.0	0.0	more than 5 less than 10	0.0	more than 0.2 less than 0.5	more than 0.2 less than 0.5	0.0	more than 0.5 less than 1.0
mg/f T.S													
Hd	7.7	8.2	7.5	8.2	8.2	8.2	8.1	7.6	8.0	8.2	8.2	7.8	8.2
U.C COLOR	more than 5	more than 10	5	more than 10	10	less than 2	ົນ	more than more than 5 10	10	Ω	less than 2	less than 2	less than 2
U.T TURB	more than more than 5 5	more than more than 5 10	less than 1	more than 1 less than 2	less than 1	less than 1	less than 1	more than 5	less than 1	less than 1	less than 1	less than 1	1.0
LOCATION	RIO ARTIBONITO (DON MIGUEL)	DAJABON (POZO PINAL CLARO)	S. DE CRUZ (POZO PINAL CLARO)	DAJABON (ARROYO CHACUELITO)	L. INDIOS (RIO CHACUEY)	PARTIDO (POZO LOS INDIOS)	DAJABON (POZO TAHUIQUE)	DAJABON (POZO PARTIDO ABAJO)	HIGUERO (RIO MAGUACA)	PARTIDO ARROYO NARANJO	PARTIDO RIO AMINILLA	DAJABON POZO (BUEN GUSTO)	GUANITO (RIO TAHUIQUE)
A.D.	11.12.90	11.19.90	*	*	*	*	*	*	*	*	*	*	*
S.D.	11.8.90	11.9.90	۲	*		*	*	*	*	*	*	*	*
No.	DW-14	-15	-16	-17	-18	-16	-20	-21	-22	-23	-24	-25	-26

Table(8) Water Quality AnalysisExperiment Station of INAPA

Location: Dajabon 1-2

r	r	r	r		r		I	T		<u> </u>	T	T	
FEC. COLIF		36.0	0.0	13.0	10.0	2.0	9.0	0.0	9.0	22.0	12.0	0.0	0.0
TOT. COLIF		12.0	3.0	12.0	15.0	7.0	9.0	0.0	12.0	10.0	39.0	0.0	17.0
mg/£ NH4-N	0.0	0.5	0.5	0.5	0.5	0.5	0.5	7.1	0.5	0.5	0.5	0.5	0.5
mg/ <i>t</i> NO <sub>2</sub> -N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mg/l KMNO4	more than 5 less than 10	more than 15 less than 20	5.0	15.0	more than 10 less than 15	50.0	10.0	more than 15 less than 20	15	more than 5 less than 10	10.0	5.0	5.0
$mg/\ell$ $CO_2$	3.0	2.0	12.0	1.0	2.0	3.0	2.0	15.0	2.0	2.0	2.0	4.0	3.0
mg/f CO <sub>3</sub>	1.0	1.0	0.0	2.0	2.0	4.D	2.0	1.0	1.0	3.0	3.0	1.0	4.0
mg/l HCO3	79.0	134.0	184.0	116.0	129.0	229.0	124.0	313.0	117.0	175.0	143.0	125.5	224.0
mg/e K	16.0	51.0	67.0	82.0	47.0	78.0	36.0	98.0	50.0	69.0	35.0	30.0	46.0
mg/ℓ NA	10.0	30.0	40.0	48.0	28.0	46.0	21.0	58.0	29.0	41.0	21.0	18.0	27.0
mg/e T.H	70.0	86.0	133.0	76.0	86.0	158.0	90.0	205.0	68.0	101.0	108.0	101.0	191.0
LOCATION	RIO ARTIBONITO (DON MIGUEL)	DAJABON (POZO PINAL CLARO)	S. DE CRUZ (POZO PINAL CLARO)	DAJABON (ARROYO CHACUELITO)	L. INDIOS (RIO CHACUEY)	PARTIDO (POZO LOS INDIOS)	DAJABON (POZO TAHUIQUE)	DAJABON (POZO PARTIDO ABAJO)	HIGUERO (RIO MAGUACA)	PARTIDO ARROYO NARANJO	PARTIDO RIO AMINILLA	DAJABON POZO (BUEN GUSTO)	GUANITO (RIO TAHUIQUE)
A.D.	11.12.90	11.19.90	*	*	*	*	*	*	*	*	*	*	*
S.D.	11.8.90	11.9.90	*	*		*	*	*	*	*	*	*	*
No.	DW-14	12 -12	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25	-26

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Location: Dajabon 1-3

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No.	S.D.	A.D.	LOCATION	U.T TURB	U. C COLOR	Hd	mg/f	mg/e FE	mg/l CU	mg/£ ZN	mg/e CA	mg/l MG	mg/ <i>e</i> SO4	ng/e CL
DW-27	7 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	3 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 I	less than 2	7.8		0.5	0.0	1.0	198.0	115.0		100.0
-30	*	*	DAJABON (POZO PALO BLANCO)	I	5	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	2 11.10.90	12.10.90	GUANITO (POZO PRIVADO) DAJABON	more than 5	more than more than 5 10	7.5		2.0	0.0	0.0	133.0	515.0		400.0
-33	×	۲	GUANITO (ARROYO GAZUELA) DAJABON	less than 1	5	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	5 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 I	\$	8.4		0.0	0.0	0.5	50.0	112.0		24.0
-37	7 12.19.90	10.91	ACOMETIDA DAJABON, ASENT, AGRARIO	<b></b> 1	more than 2	8.0		0.0	0.0		57.0	95.0		20.0
-38	10.11.1	1.18.91	AC, DAJABON. DON MIGUEL OBRA DE TOMA	less than 1	5	8.5		0.0	0.0		43.0	38.0	0.0	60.0
-39	9 11.20.90		12.17.90 [LOS JOBOS)		5	8.2		0.0	0.0	more than 0.5 less than 1.0	58.0	7.0		90.0

Table(9) Water Quality AnalysisExperiment Station of INAPA

Location: Elias Piña 1-1

Table(11) Water Quality AnalysisExperiment Station of INAPA

less than     2     8.0       1     2     8.0       1     2     8.0       more than     7.8       less than     2     7.6       less than     2     7.6       nore than     2     7.6       nore than     2     7.6       nore than     10     8.4       nore than     10     8.4       1     5     10	ELIAS PIÑA LOS MOLINOS (SEC.OLIVERO) LAS M. DE FARFAN RIO ARROYO DEL YANO (EL REBOSO) (EL REBOSO) ELIAS PIÑA AGUAS CRUDA (PTA. TRAT) AGUAS CRUDA (PTA. TRAT) AGUAS CRUDA (PTA. TRAT) AGUAS CRUDA (PTA. TRAT) AGUAS CRUDA (PTA. TRAT) RIO MACASIA CERCA DE RIO MACASIA CERCA DE POTRO BLANCO
	ANO . TRAT) A DE
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	DE
	DE
	POZO LOS CIMARRONES
less than less than 7.5	
1 2 7.6	
less than 2 7.8	
less than 2 7.8	

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Location: Dajabon 1-3

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Table(10) Water Quality AnalysisExperiment Station of INAPA

? [	FEC. COLIF	m	0.0	13	ŝ	0.0	4	P=4	0.0	0.0	77			more than 101
		¥.*	0			0				0				u nor
носацон. Гајанон	TOT. COLIF	4	0.0	0.0	27	22	5	63	0.0	5	പ			4
והכסידהד	mg/e NH4-N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0			0.0
-	mg/f NO <sub>2</sub> -N	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.006	0.0		0.0	0.0
	$mg/\ell$ KMNO <sub>4</sub>	more than 5 less than 10	5.0	5.0		5.0		5.0	5.0	5.0	5.0		12.0	more than 5 less than 10
	mg/f CO <sub>2</sub>	5.0	42.0	10.0	6.0	2.0	4.0	4.0	5.0	3.0	2.0	7.0	1.0	5.0
	mg/ℓ CO <sub>3</sub>	3.0	0.0	2.0	5.0	4.0	0.0	2.0	7.0	4.0	7.0	4.0	3.0	8.0
	mg/ <i>e</i> HCO <sub>3</sub>	274.0	347.0	341.0	383.0	229.0	73.0	222.0	394.0	265.0	254.0	350.0	95.0	425.0
	mg/ℓ K	165.0	177.0	93.0	132.0	105.0		37.0	186.0	107.0	103.0	156.0	26.0	385.0
	mg/f NA	0.79	105.0	55.0	78.0	62.0		22.0	110.0	63.0	61.0	93.0	16.0	227.0
	mg/e T.H	130.0	254.0	313.0	342.0	122.0	648.0	263.0	252.0	173.0	162.0	176.0	81.0	650.0
	LOCATION	DAJABON (POZO COYUCO)	LOS CAYUCOS (POZO PRIVADO)	DAJABON (POZO LOS CAYUCOS)	DAJABON (POZO PALO BLANCO)	CAMPECHE (POZO CANDELON)	GUANITO (POZO PRIVADO) DAJABON	GUANTO (ARROYO GAZUELA) DAJABON	DAJABON (POZO GOZUELA)	DAJABON (POZO CHAQUEY)	DAJABON (POZO CAMPECHE)	ACOMETIDA DAJABON, ASENT, AGRARIO	AC, DAJABON. DON MIGUEL OBRA DE TOMA	12.17.90 [LOSJOBOS]
	A.D.	12.10.90	1 <b>X</b>	*	*	11.19.90	12.10.90	4	*	11.19.90	. 4	1.10.91	1.18.91	
	S.D.	11.12.90	11.10.90	*	*	11.9.90	11.10.90	*	*	11.9.90	*	12.19.90	1.11.91	11.20.90
	No.	DW-27	-28	-29	-30	-31	-32	-33	-34	-35	-36	-37	-38	-39

11

Location: Elias Piña 1-1

Table (12) Water Quality Analysis Experiment Station of INAPA

S.D.	A.D.	LOCATION	mg/e T.H	mg/ℓ NA	mg/e K	mg/f HCO <sub>3</sub>	mg/l CO <sub>3</sub>	mg/t CO <sub>2</sub>	mg/f KMNO4		mg/ℓ NH₄-N	TOT. COLIF	FEC. COLIF
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
	*	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
	*	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
1	*	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
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
		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
	*	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
].	*	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
	*	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
*	*	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

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Table(13) Water Quality AnalysisExperiment Station of INAPA

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Location: Elias Piña 1-2

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No.	S.D.	A.D.	LOCATION	U. T TURB	U.C COLOR	ΡH	mg/f T.S	mg/f FE	mg/l CU	mg/f ZN	mg/f CA	mg/e MG	mg/e SO4	cL CL
EW-11	11.21.90	12.17.90	12.17.90 ELLAS 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 more than 5 10	more than 10	8.0		0.2	0.0	less than 0.5	108.0	29.0		106.0
-13	<b>N</b>	*	POZO RINCONCITO	more than 5	more than more than 5 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 more than 5 10	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 more than 5 10	7.7		0.1	0.0	0.5	58.0	36.0		146.0
91-	*	*	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	Prog.	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 more than 1 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

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Location: Elias Piña 1-2

Table (14) Water Quality Analysis Experiment Station of INAPA

<del>_</del>				r	T	r	T	T	T	
FEC. COLIF	5.0	more than 10	*	*	*	26.0				
TOT. COLIF	4.0	18.0	48.0	0.0	5.0	12.0				
NH4-N	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
mg/ℓ NO <sub>2</sub> -N	0.0	0.015	0.0	more than 0.06 less than 0.15	0:0	0.0	0.0			0.0
mg/e KMNO4	5.0	more than 15 less than 20	5.0	20.0	20.0	15.0	ີ້			10.0
тg/£ СО2	9.0	30.0	20.0	4.0	10.0	3.0	5.0	8.0	7.0	6.0
mg/e CO3	5.0	2.0	1.0	1.0	1.0	2.0	0.0	0.0	0.0	0.0
mg/e HCO <sub>3</sub>	471.0	157.0	329.0	101.0	264.0	165.0	118.0	163.0	147.0	107.0
mg/ $\ell$	896.0	133.0	96.0		320.0		21.0		14.0	48.0
mg/ℓ NA	175.0	78.0	56.0		188.0		12.0		8.0	28.0
mg/e T.H	87.0	137.0	230.0	137.0	94.0	202.0	152.0	166.0	138.0	0.06
LOCATION	ELIAS PIÑA 12.17.90 POZO PINZO	RIO MACACIAS (EN LAMESDERO)	POZO RINCONCITO	RIO ARTIBONITO (CERCA DE GUARDA)	POZO PILON ABAJO	RIO ARROYO PILON	ELIAS PIÑA PROYECTO JICA	HONDO VALLE, LOS GUINEOS RIÓ CAÑO	ELIAS PINA. AC. ELIAS PIÑA	PEDRO SANTANA. RIO ARTIBONITO OBRA DE TOMA
A.D.	12.17.90	*	*	*		*	1.2.91	1.10.91	*	1.18.91
S.D.	EW-11 11.21.90	*	*	*		*	*	12.19.90	*	1.11.91
No	EW-11	-12	-13	¥	-15	-16	-17	-18	61-	-20
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Location: Independencia 1-1

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Table(15) Water Quality AnalysisExperiment Station of INAPA

No.	S.D.	A.D.	LOCATION	U.T TURB	U.C COLOR	Hd	mg/ℓ T.S	mg/e FE	mg/f	ng/ℓ ZN	mg/ℓ CA	mg/f MG	mg/ê SO4	пg/e CL
IW -1	12.27.90	1.2.91	LA DESCUBIERTA, LAS BACIAS M.	less than 1	3	7.2		0.0	0.0	0.5	138.0	0.0		2.0
ې ۲	*	*	INDEPENDENCIA, BOCA DE CACHÓN M.	1	less than 2	6.7		0.0	0.0	0.0	124.0	109.0		66.0
ကု	*	*	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 more than 5 10	7.7		0.0	0.0	0.0	880.0	6,855.0		35,998.0
မှ	*	*	JIMANI. SALIDA PTA DE TRATAM	more than 5	more than more than 5 10	7.9		0.0	0.0	0.0	200.0	14.0		4,200.0
မု	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
L-	*	*	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
φ	*	*	INDEPENDENCIA JIMANI VIEJO	less than 1	less than 2	6.7		0.0	0.0		67.0	142.0	55.0	62.0
ဂု	*	*	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 AnalysisExperiment Station of INAPA

Location: Independencia 1-1

FEC. COLIF									
TOT. COLIF									
J/gm NH₄-N	0.0	0.0	0.0	0.0	0.0				
mg/f NO <sub>2</sub> -N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mg/ℓ mg/ℓ mg/ℓ KMNO4 NO2-N NH4-N	5.0	5.0	5.0	5.0	15.0	5.0	8.0	5.0	5.0
mg/f CO2	20.0	110.0	10.0	8.0	3.0	240.0	5.0	5.0	6.0
mg/f CO <sub>3</sub>	0.0	0.0	1.0	1.0	1.0	0.0	2.0	2.0	2.0
mg/f HCO <sub>3</sub>	167.0	228.0	199.0	213.0	125.0	200.0	198.0	214.0	218.0
mg/ℓ K	23.0	76.0	29.0	33,443	4,518	10.0	8.0	117.0	9.0
mg/e NA	14.0	45.0	18.0	19,723	2,664	6.0	5.0	69.0	6.0
mg/f T.H	138.0	233.0	238.0	7,735	214.0	195.0	109.0	209.0	219.0
LOCATION	LA DESCUBIERTA, LAS BACIAS M.	INDEPENDENCIA, BOCA DE CACHÓN M.	DUVERGE. AGUA AZUFRADA M.	BAHORUCO, LAGO ENRIQUILLO	JIMANI. SALIDA PTA DE TRATAM	INDEPENDENCIA, GUAYABAL MANANTIAL EL CACHON	AC. JIMANI, CANAL DE ENTRADA A LA PLANTA	INDEPENDENCIA JIMANI VIEJO	LA DESCUBIERTA AC. ANGEL FELIZ
A.D.	1.2.91	*	*	*		1.18.91	*	*	*
S.D.	12.27.90	*	*	*	*	1.11.91	*	*	*
No.	1- WI	-7	ကု	শ	<b>י</b> י	မို	6	φ	<b>.</b> Ф

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INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS DIVISION DE INVESTIGACIÓN Y CONTROL CALIDAD DE AGUA L A B O R A T O R I O - REPORT DE ANALISIS DE AGUA GENERAL- (FISICO-OLUMICO-MICROBIOLOGICO-PLANKTON) Laboratorio de: INAPA Muestra procedente de: Independencia Provincia: Independencia Provincia: Angostura. Sectión: Angostura. CLASIFICACION: POZO. CLASIFICACION: POZO. CLASIFICACIONES ANALISIS Turbiedad Unid. 40.0 NTU, 40.0 Prueba Presuntiva N. M. P./100 mi. Color Und. 88.0 UDC, 40.0 DETERMINACIONES ANALISIS NORMAS Turbiedad Unid. 40.0 NTU, 40.0 Prueba Presuntiva N. M. P./100 mi. Color Und. 88.0 UDC, 40.0 Sididos totales Sididos totales Sididos totales Clacici (CaCO <sub>3</sub> ) 3, 668.0 Caticis (CaCO <sub>3</sub> ) 1.0 Bicarbonatos 1.52		เมืองรับสาวที่สาวของสาวที่สาวที่สาวที่สาวที่สาวที่สาวที่สาวที่สาวที่สาวที่สาวที่สาวที่สาวที่สาวที่สาวที่สาวที่ส		ĸĸŢŗŗĸĸĿġĸĸĿĸĸĸġĸĸġĸġĸġĸġĸġĸġĸġĸġĸġĸġġġġġġġġ	
LABORATORIO         ADDRATORIO         ADDRATORIO         ADDRATORIO           Laboratorio         INAPA         No. EQC-16         Recolección por: JICA.           Muestra procedento de:         Independenctia         Recolección por: JICA.         Recolección por: JICA.           Municipio:         Angostura.         Fecha: $5:00$ PM.           Municipio:         Angostura.         Fecha: $5:00$ PM.           Sección:         Provincia:         Hara:         5:00 PM.           Laboratorio         Provincia:         Hara:         Fecha: $5:00$ PM.           Variationa         Presentinationa         Hara:         Fecha: $5:00$ PM.           Sectión:         Prozo.         Estudio de Fuento.         Presentinationa         Presentinationa           Upar:         Pozo.         Estudio de Fuento.         Presentinationa         Presentinatio					LADOS
Defendation         Operation           Laboratorio de:         INAPA         No. EQC-1G					
Laboratorio de:         INAPA         No. EQC-1G.           Muestra procedento de:         Independencia         Recolección porJICA.           Provincia:         Independencia         Fecha:         6/1/92.           Municipio:         Angostura.         Fecha:         5:00 EM.           Seción:         Provincia:         Fecha:         6/1/92.           Paraje:         Pozo.         Fecha de análisis:         Perate.           CLASIFICACIONE:         Pozo.         Estudio de Fuente.         Outromes.           Turbiedad Unid.         40.0 NTU./         5-25         Prueba Presuntiva N. M. P/100 ml.         Prueba Presuntiva N. M. P/100 ml.           Color Und.         88.0 UDC./         6-50         Prueba Confirmativa N. M. P/100 ml.         Prueba Confirmativa N. M. P/100 ml.           Color Und.         88.0 UDC./         6-50         Prueba Confirmativa N. M. P/100 ml.         Conteo M. F.           Olor         02-1.0         Gal tol         Conteo M. F.         Conteo M. F.         Conteo M. F.           Color CaCO3         3,209.0         187.5-500         OTROS ENSAYOS         Estabilidad del Acua (indice Langelier)           A.         02-1.0         Gal tol         10.0         Estabilidad del Acua (indice Langelier)           Maregeneto (Mn)		-REPOF	RTE DE ANALISI	S DE AGUA GENERAL-	
Muestra procedente de:         Independencia         Recolección por: _JICA		(FISICOQ	UIMICO-MICRO	BIOLOGICO-PLANKTON)	
Independencia         Fecha:         8/1/92.           Municipis:         Angosturda.         Hora:         5:00 PM.           Seción:         Angosturda.         Fecha:         8/1/92.           Paraja:         Pozo.         Fecha:         5:00 PM.           LastificAcion:         Pozo.         Estudio de Fuente.         Presentinaciones managemento de fuente.           DETERMINACIONES         ANALISIS         NORMAS         DETERMINACIONES MANALISIS         Prueba Presuntiva N. M. P./100 ml.           Color Und.         89,0 UDC./         6a foi         6a foi         Prueba Presuntiva N. M. P./100 ml.           Color Und.         89,0 UDC./         6a foi         Conteo M. F.         Conteo M. F.           Olor         Ningune         0.2-1.0         Conteo M. F.         Conteo M. F.           Olor         Ningune         0.2-1.0         Conteo M. F.         Conteo M. F.           Color Caleio (CaCo3)         3,209.0         fai foi         Conteo M. F.         Conteo M. F.           Color Caleio (CaCo3)         3,668.0         fai foi         Conteo M. F.         Setabilidad del Aqua (indice Langelier)           Marganeso (Mn)         6a foi         0.4 foi         Color FEALF         Solidos totales         Soli           Suifatos (So2i)		INAPA			
Angostură.         Fecha de análisis:           Paraje:         Pozo.           Lugar:         Pozo.           DETERMINACIONES FISICO-QUMICAS         ANALISIS           NORMAS         DETERMINACIONES MICROBIOLOGICAS COLIPORMES           Turbiedad Unid.         40.0 NTEU/ 65-50           Color Und.         88.0 UDC./ 68-60           Otor         Ninguno           Temperatura °C         Oz-10           Color Coluidal         fai (b) 65-50           Sólidos totales         fai (b) 63-60           Color Coluidal         fai (b) 63-60           Sólidos totales         fai (b) 500-1500           Colar Color Coluidal         fai (b) 500-1500           Sólidos totales         fai (b) 500-1500           Colar Color CaColor 1.0           Marganeso (Mn)         6a (b) 0.05-0.5           Sulfatos (SO2)         1.0           Bicarbonatos (CaCO2)         1.0           Bicarbonatos (CaCO2)         1.0           Filuoruros (F <sup>-1</sup> )         1.2           Filuoruros (F <sup>-1</sup> )         1.2           Color Color (fai (b) Direza Carbonato         6.877.0<	Muestra procedente de:	Tudono	ndencia	Recolección po	or: <u>JICA.</u> 8/1/02
Angostură.         Fecha de análisis:           Paraje:         Pozo.           Lugar:         Pozo.           DETERMINACIONES FISICO-QUMICAS         ANALISIS           NORMAS         DETERMINACIONES MICROBIOLOGICAS COLIPORMES           Turbiedad Unid.         40.0 NTEU/ 65-50           Color Und.         88.0 UDC./ 68-60           Otor         Ninguno           Temperatura °C         Oz-10           Color Coluidal         fai (b) 65-50           Sólidos totales         fai (b) 63-60           Color Coluidal         fai (b) 63-60           Sólidos totales         fai (b) 500-1500           Colar Color Coluidal         fai (b) 500-1500           Sólidos totales         fai (b) 500-1500           Colar Color CaColor 1.0           Marganeso (Mn)         6a (b) 0.05-0.5           Sulfatos (SO2)         1.0           Bicarbonatos (CaCO2)         1.0           Bicarbonatos (CaCO2)         1.0           Filuoruros (F <sup>-1</sup> )         1.2           Filuoruros (F <sup>-1</sup> )         1.2           Color Color (fai (b) Direza Carbonato         6.877.0<	Provincia:	Indeng	endencia	Fecha:	5:00 PM.
Section:         Pozo.           Paraje:         Pozo.           LLASIFICACION:         Pozo.           DETERMINACIONES FISICO-QUIMICAS         ANALISIS         NORMAS         DETERMINACIONES MICROBIOLOGICAS COLIFORMES           Turbiedad Unid.         40.0 NFU         5-25 (a t b) 5-50         Prueba Presuntiva N. M. P/100 ml.           Color Und.         88.0 UDC./ 63-92         61-92 (a t b) 5-60         Conteo M. F.           Olor         Ninguno         Prueba Confirmativa N. M. P/100 ml.         Conteo M. F.           Olor         Ninguno         No. de Unidades Standard         Conteo M. F.           Olor         No. de Unidades Standard         Identificación           CO2         23.0         187.5-500         OT ROS ENSAYOS           Solidos totales         101         125-600         OT ROS ENSAYOS           Magnesio (CaCO3)         3,668.0         187.5-500         OT ROS ENSAYOS           Barlandia         101         205-600         Cal t b)         OT ROS ENSAYOS           Barlandia         101         260-05         101         Estabilidad del Aqua (Indice Langelier)           Manganeso (Min)         10.0         200-600         101         COLOR         Fe SOLUBIE           Sodio (Na) Calc.         49,151.0	www.ehia	Angost	ura.	Parts 1 att	
Lugar:         POZO.         Estudio de Fuente.           DETERMINACIONES HISCO-QUIMICAS         ANALISIS         NORMAS         DETERMINACIONES MICROBIOLOGICAS COLIFORMES           Turbiedad Unid.         40.0 NTU.// 88.0 UDC./         5-25 (a) (b) 65-50, (a) (b) 0 (a) (c) 0 (a) (b) 0 (b) 0 (a) (b) 0 (b) 0 (a) (b) 0 (b) 0 (a) (b) 0 (b) 0 (b) 0 (b) 0 (b) 0 (c) 0 (					313. <u></u>
LLASIFICACIONE: PETERMINACIONES FISICO-QUIMICAS         POZO.         Estudio de Fuente.           DETERMINACIONES FISICO-QUIMICAS         ANALISIS         NORMAS         DETERMINACIONES MICROBIOLOGICAS COLFORMES           Turbiedad Unid.         40.0 NTU/ 88.0 UDC./ pH         5-25 (a) (b) (b) (b) pH         Prueba Presuntiva N. M. P./100 ml. Conteo M. F.           Olor         0100         0.2-1.0 (a) (b) Solidos totales         Prueba Confirmativa N. M. P./100 ml. Conteo M. F.           Olor         0.2-1.0 (a) (b) Solidos totales         0.2-1.0 (a) (b) Solidos totales         No. de Unidades Standard Identificación           CO2         23.0 (a) (b)         187.5-500 (a) (b) OT ROS ENSAYOS           Magnesio (CaCO3)         3,668.0 (a) (b)         187.5-500 (a) (b)           Marganeso (Mn)         0.05-0.5 (a) (b)         Estabilidad del Aqua (indice Langelier)           Marganeso (Mn)         0.05-0.5 (a) (b)         COLOR RESAL= 13.0 UDC.           Sulfatos (SO3)         18,500.0 / (a) (b)         200-40- (a) (b)         COLOR RESAL= 13.0 UDC.           Color (F <sup>-</sup> )         1.2 (a) (b)         45 (b)         Fe SOLUBLE= 0.0           N:tratos (NO3 <sup>-</sup> )         105-50 (a) (b)         105-50 (a) (b)         Fe SOLUBLE= 0.0	Lugar:				
DETERMINACIONES FISICO-QUIMICAS         ANALISIS         NORMAS         DETERMINACIONES MICROBIOLOGICAS COLIFORMES           Turbiedad Unid.         40.0 NTU., (a) tob         5-25 (a) tob         5-26 (a) tob         Prueba Presuntiva N. M. P./100 ml. (a) tob           Color Und.         88.0 UDC., (a) tob         65-9.2 (a) tob         Prueba Presuntiva N. M. P./100 ml. (a) tob           Dior         Ninguno         0.2-1.0 (a) tob         Prueba Confirmativa N. M. P./100 ml. (c) tob           Temperatura °C         0.2-1.0 (a) tob         No. de Unidades Standard           CO2         23.0         0           Color (caCO3)         3,209.0         187.5-600 (a) tob           Galcio (CaCO3)         3,668.0         187.5-600 (a) tob           Marganesio (CaCO3)         3,668.0         187.5-600 (a) tob           Marganesio (CaCO3)         1.0         Estabilidad del Aqua (Indice Langelier)           Mifatos (Sočā)         18,500.0         (a) tob           Ode-not (ciC)         67.250.0         (a) tob           Sulfatos (SOčā)         18,500.0         (a) tob           Notatos (F <sup>-</sup> )         1.2         (a) tob           Notatos (F <sup>-</sup> )         1.2         (a) tob           Natatos (NO3 <sup>3</sup> )         45           Direza Carbonatoo         152.0	CLASIFICACION:			Estudio de	Fuente.
Turbiedad Unid.       40.0 NTU       (a) (b)       Prueba Presuntiva N. M. P./100 ml.         Color Und.       88.0 UDC./       (a) (b)       9	DETERMINACIONES FISICO-QUIMICAS	ANALISIS		DETERMINACIONES M	ICROBIOLOGICAS
Color Und.         88.0 UDC./ (a) (b) (b) (b) (b) (b) (c) (b)         Prueba Confirmativa N. M. P./100 ml.           pH         7.1         (a) (b) (c) (c)         (a) (b)           Olor         Ninguno         Conteo M. F.           Cloro residual         (a) (b)         (a) (b)           Sólidos totales         (a) (b)         (a) (b)           CO2         23.0         187.5-500           Calcio (CaCO3)         3,209.0         187.5-500           Galcio (CaCO3)         3,668.0         (a) (b)           125-600         (a) (b)         Estabilidad del Aqua (Indice Langelier)           Marganeso (Mn)         (a) (b)         COLOR REALF         13.0 UDC.           Sodio (Na) Calc.         49,151.0         COLOR REALF         13.0 UDC.           Cloruros (C1 <sup>-</sup> )         67,250.0         (a) (b)         COLOR REALF         13.0 UDC.           Sulfatos (SO2)         18,500.0         (a) (b)         COLOR REALF         13.0 UDC.           Fluoruros (F <sup>-</sup> )         1.2         (a) (b)         Fe SOLUBLE         0.0           N. tratos (NO3) <sup>*</sup> 45         100-500         (a) (b)         Fe SOLUBLE         0.0           D.:reza Total (CaC0 <sub>3</sub> )         152.0         300         300         300	Turbiedad Unid. 40	.0 NTU.	(a) (b)	Prueba Presuntiva N. M. P./100	ml
pH         7.1         6.5-9.2 (a) (b)         Conteo M. F.           Olor         Ninguno         P L A N K T O N           Temperatura °C         0.2-1.0 (a) (b)         Conteo M. F.           Cloro residual         0.2-1.0 (a) (b)         No. de Unidades Standard           Sólidos totales         100         No. de Unidades Standard           CO2         23.0         187.5-500         No. de Unidades Standard           CO2         23.0         187.5-500         O T R O S E N S A Y O S           Magnesio (CaCO3)         3,668.0         187.5-500         O T R O S E N S A Y O S           Marganeso (Mn)         0.05-0.5         (a) (b)         Estabilidad del Aqua (Indice Langelier)           Manganeso (Mn)         0.05-0.5         (a) (b)         Estabilidad del Aqua (Indice Langelier)           Sodio (Na) Cale.         49,151.0         200-40-         (a) (b)         COLOR REAL=         13.0 UDC.           Gloruros (CaCO3)         151.0         200-40-         (a) (b)         COLOR REAL=         0.0           Sulfatos (SO3)         18,500.0         45         100-         Fe SOLUBLE=         0.0           N:tratos (NO3)*         45         100-         300         300         300			(a) (b)		
Olor         Ninguno           Temperatura °C         0,2-1.0 (a) (b)           Cloro residual         0,2-1.0 (a) (b)           Sólidos totales         0,2-1.0 (a) (b)           Sólidos totales         500-1500 (a) (b)           CO2         23.0           Calcio (CaCO3)         3,209.0           125-600 (a) (b)         0TROS ENSAYOS           Magnesio (CaCO3)         3,668.0           125-600 (a) (b)         125-600           Magnesio (CaCO3)         3,668.0           14 (b)         0TROS ENSAYOS           Sadio (Na) Calc.         49,151.0           Carbonatos (CaCO3)         151.0           Sodio (Na) Calc.         49,151.0           Carbonatos (CaCO3)         151.0           Sulfatos (SOā)         18,500.0           Calcio (CaCO3)         151.0           Sulfatos (SOā)         18,500.0           Coloruros (CT)         67,250.0           Gia (b)         06–1.7           N:tratos (NO3)*         45           1d0–500         (a) (b)           D:treza Total (CaCO3)         6,877.0           D:treza Carbonatoo         152.0           300         300					
Cloro residual         0,2-1.0 (a) (b)         No. de Unidades Standard           Sólidos totales         100         Identificación           CO2         23.0         187.5-500         Identificación           Calcio (CaCO3)         3,209.0         187.5-500         O T ROS ENSAYOS           Magnesio (CaCO3)         3,668.0         125-600         Estabilidad del Aqua (Indice Langelier)           Hierro (Fe)         0.7         0.1-1.0         Estabilidad del Aqua (Indice Langelier)           Manganeso (Mn)         0.05-0.5         (a) (b)         Estabilidad del Aqua (Indice Langelier)           Sodio (Na) Calc.         49,151.0         200-40         (a) (b)         COLOR REAL= 13.0 UDC.           Cloruros (CaCO3)         18,500.0         200-40         (a) (b)         COLOR REAL= 13.0 UDC.           Fluoruros (F <sup>-1</sup> )         1.2         (a) (b)         0.6-1.7         (b)         Fe SOLUBIE= 0.0           N:tratos (NO37)         45         100-500         (a) (b)         300         300	Olor		Ninguno		
Cloro residual         (a)         (b)         No. de Unidades Standard           Sólidos totales         500-1500         (a)         (b)         Identificación           CO2         23.0         187.5-500         (a)         (b)         OTROS ENSAYOS           Magnesio (CaCO3)         3, 209.0         187.5-500         OTROS ENSAYOS         Estabilidad del Aqua (Indice Langelier)           Magnesio (CaCO3)         3, 668.0         (a)         (b)         OTROS ENSAYOS           Magnesio (CaCO3)         3, 668.0         (a)         (b)         OTROS ENSAYOS           Manganeso (Mn)         0.05-0.5         (a)         (b)         Estabilidad del Aqua (Indice Langelier)           Sodio (Na) Cale.         49,151.0         0.05-0.5         (a)         (b)         COLOR REAL= 13.0 UDC.           Cloruros (CaCO3)         1.0         200-600         (a)         (b)         COLOR REAL= 13.0 UDC.           Cloruros (CI <sup>-1</sup> )         67,250.0         (a)         (b)         COLOR REAL= 13.0 UDC.         Fe SOLUBLE= 0.0           N:tratos (NO3)         45         1d0-500         (a)         (b)         300	Temperatura <sup>o</sup> C		00.10	PLANI	K T O N
Sólidos totales         (a)         (b)         Identificación           CO2         23.0         187.5-500         OTROS ENSAYOS           Calcio (CaCO3)         3,209.0         187.5-500         OTROS ENSAYOS           Magnesio (CaCO3)         3,668.0         131.0         Estabilidad del Aqua (Indice Langelier)           Mierro (Fe)         0.7         (a)         (b)         A°C pHa pHsIS           Manganeso (Mn)         0.05-0.5         (a)         (b)         A°C pHa pHsIS           Sodio (Na) Calc.         49,151.0         200-40         Coloruros (CaCO3)         1.0           Bicarbonatos (CaCO3)         1.0         200-40         Coloruros (CaCO3)         151.0           Sulfatos (SOā)         18,500.0         200-40         Coloruros (CaCO3)         1.0           Bicarbonatos (CaCO3)         1.0         200-40         Coloruros (CaCO3)         1.0           Sulfatos (SOā)         18,500.0         200-40         Coloruros (CaCO3)         1.0           Fluoruros (F <sup>-</sup> )         1.2         (a)         (b)         Coloruros (F <sup>-</sup> )         Fe SOLUBLE= 0.0           N:tratos (NO3)         45         100-500         300         300         300	Cloro residual		(d) (s)	No. de Unidades Standard	
Calcio (CaCO3) $3,209.0$ $187.5-600$ OTROS ENSAYOS         Magnesio (CaCO3) $3,668.0$ $125-600$ $(a)$ (b) $b$ Marganesio (CaCO3) $3,668.0$ $125-600$ $c$ $b$ Marganesio (CaCO3) $3,668.0$ $125-600$ $c$ $c$ Manganeso (Mn) $0.7$ $(a)$ (b) $0.1-1.0$ $c$ $c$ Sodio (Na) Calc. $49,151.0$ $0.05-0.5$ $(a)$ (b) $c$ $pHs$ $1S$ Sodio (Na) Calc. $49,151.0$ $200-40.0$ $(a)$ (b) $c$ $c$ $pHs$ $1S$ Bicarbonatos (CaCO3) $1.0$ $200-40.0$ $(a)$ (b) $c$ $c$ $c$ $pHs$ $1S$ Bicarbonatos (CaCO3) $1.0$ $200-40.0$ $(a)$ (b) $c$	Sólidos totales			Identificación	
Calcio (CaCO3) $3,209.0$ (a)       (b)       OTROS ENSAYOS         Magnesio (CaCO3) $3,668.0$ 125-600       Estabilidad del Aqua (Indice Langelier)         Hierro (Fe) $0.7$ (a)       (b) $0.1-1.0$ $a_{0}$ $b_{12}$ Manganeso (Mn) $0.05-0.5$ $a_{1}$ $b_{1}$ $A_{$	- 2,	.0	107 6 50		
Magnesio (CaCO3) $3,668.0$ (a) (b)       Estabilidad del Aqua (Indice Langelier)         Hierro (Fe) $0.7$ $0.1-1,0$ $a_1$ (b) $a_2$ (c _ pHa _ pHs _ IS _ pHs _ I	Calcio (CaCO3) 3,209	.0	(a) (b)	OTROS	ENSAYOS
Hierro (Fe) $0.7$ $0.1-1.0$ $a_{10}$ <			(a) (b)	Estabilidad del Ac	ua (Indice Langelier)
Manganeso (Mn)       (a) (b)         Sodio (Na) Calc.       49,151.0         Carbonatos (CaCO3)       1.0         Bicarbonatos (CaCO3)       151.0         Sulfatos (SOā)       151.0         Sulfatos (SOā)       18,500.0         Cloruros (Cl <sup></sup> )       67,250.0         Fluoruros (F <sup></sup> )       1.2         N:tratos (NO3) <sup>*</sup> 45         D:ureza Total (CaCO3)       6,877.0         D:ureza Carbonato       152.0	^		(a) (b)	A°C pHa	pHs IS
Carbonatos (CaCO3)       1.0         Bicarbonatos (CaCO3)       151.0         Sulfatos (SOā)       18,500.0         Cioruros (Ci <sup></sup> )       67,250.0         Fluoruros (F <sup></sup> )       1.2         N:tratos (NO3)'       45         D:sreza Total (CaCO3)       6,877.0         D:sreza Carbonato       152.0	Manganeso (Mn)				
Bicarbonatos (CaCO3) $151.0$ Sulfatos (SO <sup>4</sup> ) $18,500.0$ Cloruros (CI <sup></sup> ) $67,250.0$ Cloruros (F <sup>-</sup> ) $1.2$ Fluoruros (F <sup>-</sup> ) $1.2$ N:tratos (NO3) <sup>*</sup> 45         100-500       (a) (b)         D:ureza Total (CaCO3) $6,877.0$ D:ureza Carbonato $152.0$	Sodio (Na) Calc. 49,151	.0			
Sulfatos (SO <sup><math>\overline{4}</math></sup> )       18,500.0       200-46.         (a) (b)       (a) (b)       200-600         Cloruros (CI <sup></sup> )       67,250.0       (a) (b)         Fluoruros (F <sup></sup> )       1.2       (a) (b)         N:tratos (NO3) <sup>*</sup> 45         D:sreza Total (CaCO <sub>3</sub> )       6,877.0         D:sreza Carbonato       152.0	Carbonatos (CaCO3) <u>1</u>	.0			
Sulfatos (SO4)       18,500.0       (a) (b)       COLOR REAL=       13.0 UDC.         Cloruros (CI <sup></sup> )       67,250.0       (a) (b)       COLOR REAL=       13.0 UDC.         Fluoruros (F <sup>-</sup> )       1.2       (b)       Fe SOLUBLE=       0.0         N:tratos (NO3)'       45       100-500       (a) (b)       Fe SOLUBLE=       0.0         D:sreza Total (CaCO3)       6,877.0       (a) (b)       300       Solution       Solution	Bicarbonatos (CaCO3) 151	.0	200.40		
Cloruros (Cl) $67,250.0$ (a) (b)       Fe SOLUBLE         Fluoruros (F <sup>-</sup> )       1.2       0.6-1.7       Fe SOLUBLE         N:tratos (NO3)       45       100-500       100-500         D:sreza Total (CaCO3)       6,877.0       100       300		.0	(a) (b)	COLOR REAL= 13.0 UI	х.
Fluoruros (F <sup>-</sup> )       1.2       (a)       (b)         N:tratos (NO3)*       45         D:sreza Total (CaCO3) $6,877.0$ 100-500         D:sreza Carbonato       152.0       300	07,230	.0	(a) (b)	Fe SOLUBLE= 0.0	
Disreza Total (CaCO <sub>3</sub> ) 6,877.0 (a) (b) Disreza Carbonato 152.0 300		.2	(a) (b)		
D:sreza Carbonato       152.0       (a)       (b)					
1.52.0		.0	(a) (b) +		
A:calinidad (F) 0.0			300		
		.0			
Ascalinidad Total 152.0 400	Acalinidad Total 152	.0	400		

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

17

(a) Admisible (b) Permisible Anal-zó:

. Alleganta yaillo

Encargado Laboratoric

Conforme: Encargado División //

		POTABLES Y ALCANTARILLADOS ONTROL CALIDAD DE AGUA	
	LABORAT		
	-REPORTE DE ANALISI		
(F	ISICO-QUIMICO-MICRO	DBIOLOGICO-PLANKTON) Proyecto Jica	
Laboratorio de:	INAPA	No. FOC-11-18	
Muestra procedente de:		Recolección nor: Japones.	
Provincia:	Montecristy.	Fecha: 23/11/91.	
	Ta Pinta	Fecha:         23/11/91.           Hora:         11:30 AM.           Fecha de análisis:         25/11/91.	
Sección:			
Paraje:	Pozo.		
CLASIFICACION:	Pozo	Estudio de Fuente.	
DETERMINACIONES ANALIS FISICO-QUIMICAS	SIS NORMAS	DETERMINACIONES MICROBIOLOGICAS COLIFORMES	
Turbiedad Unid. 1.8 NTU.	5-25 (a) (b) 5-50	Prueba Presuntiva N. M. P./100 ml.	
Color Und. 12.0 UDC.	(a) (b)	Prueba Confirmativa N. M. P./100 ml.	
рН 7.5	6,5-9,2 (a) (b)	Conteo M. F.	
Olor	Ninguno		
Temperatura °C		PLANKTON	
Cloro residual	0,2-1,0 (a) (b)	No. de Unidades Standard	
Sólidos totales	500-1500 (a) (b)	Identificación	}
<b>CO</b> <sub>2</sub> 12.0			
Calcio (CaCO3) 42.0	187.5–500 (a) (b)	OTROS ENSAYOS	2
Magnesio (CaCO3) 88.0	125–600 (a) (b)	Estabilidad del Agua (Indice Langelier)	
Hierro (Fe) 0.0	0.1–1,0 (a) (b)	AºC pHa pHs IS	
Manganeso (Mn)	0,05-0,5 (a) (b)		
Sodio (Na) Calc. 375.0			Į
Carbonatos (CaCO3) 1.0			
Bicarbonatos (CaCO3) 202.0			
Sulfatos (SO4) 280.0	200~40∪ (a) (b)		
Cioruros (CI <sup></sup> ) 320.0	200600 (a) (b)	COLOR REAL= 0.0	
Fluoruros (F <sup></sup> ) 0.8	0.61,7 (a) (b)		
Nitratos (NO3)	45		
Dureza Total (CaCO <sub>3</sub> ) 130.0	100–500 (a) (b)		
Dureza Carbonato <u>1</u> 30.0	300		
Alcalinidad (F) 0.0			
Aicalinidad Total 203.0	400		]

Resultados expresados en P. P. M. o mg/L excepto turbiedad, colo

(a) Admisible (b) Permisible Anal:zó:

Magarita Maillo

Encargado Laboratorio

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	DE INVESTIGACION Y C L A B O R A T	POTABLES Y ALCANTARILLADOS ONTROL CALIDAD DE AGUA O R I O
Anart		IS DE AGUA GENERAL Proyecto Jica. OBIOLOGICO-PLANKTON)
Laboratorio de:	INAPA	FQC-1.1-16 No
Muestra procedente de: Provincia: Municipio:	Montecristy. Guayubin.	Recolección por: Japones. Fecha: 19/11/91. Hora:
Sección:	Guayubincito.	
Paraje: Lugar:	Pozo	
CLASIFICACION:	Pozo	Estudio de Fuente.
DETERMINACIONES AN FISICO-QUIMICAS	IALISIS NORMAS	DETERMINACIONES MICROBIOLOGICAS COLIFORMES
Turbiedad Unid. 8.5	NTU. 5-25 (a) (b)	Prueba Presuntiva N. M. P./100 ml.
Color Und. 7.0	UDC. 550 (a) (b)	Prueba Confirmativa N. M. P./100 ml.
рН 7.8	6,5-9,2 (a) (b)	Conteo M. F.
Olor	Ninguno	
Temperatura <sup>o</sup> C		PLANKTON
Cloro residual	0,2-1,0 (a) (b)	No. de Unidades Standard
Sólidos totales 591.0	500–1500 (a) (b)	Identificación
<b>CO</b> <sub>2</sub> 5.0		
Calcio (CaCO3) 37.0	187,5–500 (a) (b)	OTROS ENSAYOS
Magnesio (CaCO3) 51.0	125–600 (a) (b)	Estabilidad del Aqua (Indice Langelier)
Hierro (Fe) 0.0	0.11,0 (a) (b) 0,05-0.5	A °C pHa pHs IS
Manganeso (Mn)	(a) (b)	
Sodio (Na) Calc. 236.0		
Carbonatos (CaCO3) 1.0		
Bicarbonatos (CaCO3) 170.0	200400	
Sulfatos (SO <sup>4</sup> ) 255.0	(a) (b) 200600	
Cloruros (CI <sup>-</sup> ) <u>116.0</u>	(a) (b) 0.6-1,7	
Fluoruros (F <sup>-</sup> ) 0.0	(a) (b) 45	
Nitratos (NO3) Direze Total (CaCO2) 88.0	100–500	
	(a) (b) 300	
D-ireza Carbonato -88-0		
Aicalinidad (F) 0.0		
Alcalinidad Total 171.0		ng/L excepto turbiedad, color PH y Olor

(a) Admisible (b) Permisible Anal zó:

11 Conforme :

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19

a Encargado División Alo Ą

Analista

	ISION DE INVESTI	GACION Y C	OTABLES Y ALCANTARILLADOS	
	-REPOR	A B O R A T FE DE ANALISI	S DE AGUA GENERAL-	
Avart /	(FISICO-QU	JIMICO-MICRO	DBIOLOGICOPLANKTON)	
Laboratorio de:	INAPA		No. <u>FQC-12-6</u>	
Muestra procedente de:			Recolección por: <u>Nishimoto, (Japone</u> s	∋s)
Browincia.	Dajabón.		Fecha: <u>8/12/91</u>	
Municipio:	Dajabón.		Hora: <u>19:00</u>	
Sección:	Buen Gusto.		Pecha de analisis: <u>10/12/21</u>	
Paraje:		·····		
Lugar:				
CLASIFICACION:	Pozo.		Estudio Defuente.	
DETERMINACIONES FISICO-QUIMICAS	ANALISIS	NORMAS	DETERMINACIONES MICROBIOLOGICAS COLIFORMES	
Turbiedad Unid.	6.5 N.T.U.	5-25 (a) (b)	Prueba Presuntiva N. M. P./100 ml.	
Color Und.	8.0 U.D.C.	5–50 (a) (b)	Prueba Confirmativa N. M. P./100 ml.	
	2.0	6,5-9,2 (a) (b)	Conteo M, F	
Olor	7.2	Ninguno		
Temperatura <sup>o</sup> C		•	PLANKTON	
		0,21,0		
Cloro residual		(a) (b) 5001500	No. de Unidades Standard	
Sólidos totales	256.0	(a) (b)	Identificación	
<b>CO</b> 2	16.0	187.5-500		
Calcio (CaCO3)	79.0	(a) (b) 125–600	OTROS ENSAYOS	
Magnesio (CaCO3)	55.0	(a) (b) 0.1-1.0	Estabilidad del Aqua (Indice Langelier)	
Hierro (Fe)	0.2	(a) (b)	A °C pHa pHs IS	
Manganeso (Mn)		0,050,5 (a) (b)		
Sodio (Na) Calc.	8.0			
Carbonatos (CaCO3)	0.0			
Bicarbonatos (CaCO3)	132.0			
Sulfatos (SO <sup>3</sup> )	5.0	200–40⊍ (a) (b)	COLOR REAL= - de 5	
Cloruros (CI <sup></sup> )		200600 (a) (b)		
Fluoruros (F <sup></sup> )	10.0	(a) (b) 0.61,7 (a) (b)	Fe SOLUBIE= 0.0	l
Nitratos (NO3)	0.15	(a) (b) 45		
	134.0	100-500		
Dureza Total (CaCO <sub>3</sub> ) Dureza Carbonato		(a) (b) 300		
	132.0			
Alcalinidad (F)	0.0			
Accalinidad Total	132.0	400	ng/L avcento turbiedad, color PH y Olor	
(a) Admisible	Resultados expresad	05 EN P. P. M. 01	ng/L excepto turbiedad, color PH y Olor Aic Ulder Anternet Encargedo Laboratoria	Here i
(b) Permisible Anal-zó:			Conforme:	
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	· · · · · · · · · · · · · · · · · · ·		20 Manala Montello Encargado División	- 4

	VISION DE INVESTI L -REPOR	IGACION Y CO . A B O R A T TE DE ANALISI	POTABLES Y ALCANTARILLADOS ONTROL CALIDAD DE AGUA O R I O IS DE AGUA GENERAL- DBIOLOGICO-PLANKTON)
Laboratorio de:	IN/	NPA	No. <u>FOC-12-1</u> 2
Muestra procedente de:			Recolección por:Nishimonto
Provincia:	Da_	jabón.	Fecha: <u>18/12/91</u> Hora: 10:30 AM.
Municipio:			26/12/91
Sección:	La	Peñita Aba	1jo. Fecha de analisis:
Paraje: Lugar:	Dog	20	
CLASIFICACION:			
	Poz	20	<u>Estudio de Fuente.</u>
DETERMINACIONES FISICO-QUIMICAS	ANALISIS	NORMAS	DETERMINACIONES MICROBIOLOGICAS COLIFORMES
Turbiedad Unid.	0.5 N.T.U.	5-25 (a) (b) 5-50	Prueba Presuntiva N. M. P./100 ml.
Color Und.	-de 5.0 UDC	(a) (b) 6,5-9,2	Prueba Confirmativa N. M. P./100 ml.
рН	7.6	(a) (b)	Conteo M. F.
Olor		Ninguno	
Temperatura <sup>o</sup> C		0.2–1.0	PLANKTON
Cloro residual		(a) (b) 500-1500	No. de Unidades Standard
Sólidos totales		(a) (b)	Identificación
<b>CO</b> 2	4.0	107.5 500	
Calcio (CaCO3)	144.0	187.5–500 (a) (b)	OTROS ENSAYOS
Magnesio (CaCO3)	69.0	125-600 (a) (b)	Estabilidad del Aqua (Indice Langelier)
Hierro (Fe)	0.0	0.1–1.0 (a) (b)	A °C pHa pHs IS
Manganeso (Mn)		0,05–0,5 (a) (b)	
Sodio (Na) Calc.			
Carbonatos (CaCO3)	0.0		
Bicarbonatos (CaCO3)	78.0		
Sulfatos (SO4)	13.0	200–405 (a) (b)	
Cloruros (CI <sup></sup> )	54.0	200–600 (a) (b)	
Fluoruros (F <sup></sup> )	0.1	0.61,7 (a) (b)	
Nitratos (NO3)		45	
Dureza Total (CaCO <sub>3</sub> )	213.0	100–500 (а) (b)	
Dureza Carbonato	78.0	300	
Alcalinidad (F)	0.0		
Aicalinidad Total	78.0	400	

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

(a) Admisible (b) Permisible Anatizó:

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Magaita Mullo

21

Conforme: ncargado División

Encargado Laboratoric

	ISION DE INVEST	FIGACION Y CO L A B O R A T RTE DE ANALISI	S DE AGUA GENERAL-	
- Aana	(FISICO-	QUIMICO-MICRO	BIOLOGICOPLANKTON) Proyecto Jica.	
aboratorio de:	INAPA		NJQC-12-1	
Auestra procedente de:			Recolección por: <u>Nishimoto.</u>	
Provincia.	Dajabór	<u>)</u>	Fecha: <u>2/12/91</u> Hora: <u>9:10 AM</u> .	
Nunicipio:		ita Arriba.	Fecha de análisis: $6/12/91$ .	
Sección: Paraje:				
ugar:		ial.		N.
CLASIFICACION:	Otros.		Estudio de Fuente.	
DETERMINACIONES HISICO-QUIMICAS	ANALISIS	NORMAS	DETERMINACIONES MICROBIOLOGICAS COLIFORMES	
Turbiedad Unid.	1.3 N.T.U.	5-25 (a) (b)	Prueba Presuntiva N. M. P./100 ml.	
Golor Und.	5.0 UDC.	5–50 (a) (b)	Prueba Confirmative N. M. P./100 ml.	~~??
рН	7.4	6,5-9,2 (a) (b)	Conteo M. F	
Olor	······································	Ninguno		<b>1</b>
Temperatura <sup>o</sup> C			PLANKTON	
Cloro residual		0,21,0 (a) (b)	No. de Unidades Standard	
Sólidos totales		500-1500 (a) (b)	Identificación	
CO2	11.0			J
	74.0	187.5–500 (a) (b)	OTROS ENSAYOS	]
	60.0	125600 (a) (b)	Estabilidad del Agua (Indice Langelier)	
Hierro (Fe)	0.0	0.1-1,0 (a) (b)	AOCpHapHsIS	
Manganeso (Mn)	0.0	0,05-0,5 (a) (b)		
	16.0			j
Carbonatos (CaCO3)	0.0	-		
	41.0	••••]		
	10.0	200–400 (a) (b)		
	12:0	200–600 (a) (b)		
Fluoruros (F <sup></sup> )	0.2	- (a) (b) - 0.6-1,7 (a) (b)		
N tratos (NO3)	U.4	45		
	24.0	100-500		ļ
	34.0	(a) (b) 300		
Alcalinidad (F)	134.0	-		
	0.0	400		
	Resultados exores		ng/L excepto turbiedad, color PH y Ofor	
(a) Admisible (b) P∈rmisible	UB20110003 CXD100		Conforme:	uz B
Analizó:				M
	Alexandra and a second and	_	22 Manganto Marilo	- ~
Analist	3		Encargado Division	

	orbe	LABORAT	O R I O S DE AGUA GENERAL
Wort			BIOLOGICO-PLANKTON)
Laboratorio de:	INAP	<b>\</b>	No. FQC-1-15
Muestra procedente de:	-	-	Recolección per: JICA.
Provincia:	Elias	s PIña.	Fecha: <u>4/1/92</u>
Municipio:	Elias	s Piña.	Hora: 8:00 AM,
Sección: Paraje:	Acior	to Magnes	Fecha de análisis: $\frac{10/1/91}{10}$
•	75		
Lugar: CLASIFICACION:	1010		
CLASIFICACIUM.	Pozo	1	Estudio de Fuente.
DETERMINACIONES FISICO-QUIMICAS	ANALISIS	NORMAS	DETERMINACIONES MICROBIOLOGICAS COLIFORMES
Turbiedad Unid.	6.0 NTU.	525 (a) (b) 550	Prueba Presuntiva N. M. P./100 ml
Color Und,	<u>- de 5</u>	(a) (b)	Prueba Confirmativa N. M. P./100 ml.
pH	8.3	6,5-9,2 (a) (b)	Conteo M. F.
Olor		Ninguno	
Temperatura °C			PLANKTON
Cloro residual		0,21,0 (a) (b)	No. de Unidades Standard
Sólidos totales			Identificación
CO2	4.0		
Calcio (CaCO3) 1	.55.0	187.5–500 (a) (b)	OTROS ENSAYOS
Magnesio (CaCO3) <u>1</u>	07.0	125–600 (a) (b)	Estabilidad del Aqua (Indice Langelier)
Hierro (Fe)	0.0	0.11,0 (a) (b)	A °C pHa pHs IS
Manganeso (Mn)		0,05–0,5 (a) (b)	
Sodio (Na) Calc. 1	.48.0	_	
Carbonatos (CaCO3)	8.0		
Bicarbonatos (CaCO3) 3	55.0		
Sulfatos (SOā) 1	.65.0	20040- (a) (b)	
Cioruros (CI <sup>-</sup> )	34.0	200600 (a) (b)	
Fluoruros (F <sup>-</sup> )	1.2	0,6~1,7 (a) (b)	
Nitratos (NO3)		45	
Dureza Total (CaCO <sub>3</sub> ) 2	62.0	100–500 (a) (b)	
Dureza Carbonato 2	62.0	300	
Alcalinidad (F)	0.0		
A:calinidad Total	63.0	400	

23

Hangaita Maillo Encargedo División 

Analista

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	NACIONAL IN DE INVEST -REPOF	DE AGUAS P IGACION Y CO L A B O R A T RTE DE ANALISI	OTABLES Y ALCANTARILLADOS ONTROL CALIDAD DE AGUA	
	•• •• •• •			
Leboretorio de:	INAPA		No. <u>FQC-2-1</u>	
Muestra procedente de:	Company and a		Recolección poHirotaka Nishimoto. Fecha: <u>2/2/92</u>	
Provincia:		150		
Municipi9:				
Sección:				
Paraje:	Pozo.		· · · ·	
Lugar: CLASIFICACION:	JC-13		ESTUDIO DE FUENTE.	
DETERMINACIONES	ANALISIS	NORMAS	DETERMINACIONES MICROBIOLOGICAS COLIFORMES	
FISICO-QUIMICAS		5-25		
Turbiedad Unid. 2.5	N.T.U.	(a) (b) 550	Prueba Presuntiva N. M. P./100 ml.	
Color Und. 7.0	U.D.C. APTE	• (a) (b)	Prueba Confirmativa N. M. P./100 ml.	
pH 8.4		6,5–9,2 (a) (b)	, Conteo M. F.	
Olor		Ninguno		
Temperatura °C	<u>,</u>		PLANKTON	
Cloro residual		0,2-1,0 (a) (b)	No. de Unidades Standard	
Sólidos totales	<u></u>	500–1500 (a) (b)	Identificación	
CO <sub>2</sub> 1.0		(a) (D)		
		187.5–50u	OTROS ENSAYOS	
<b>Calcio (CaCO</b> 3) <u>16.0</u>		(a) (b) 125–600		
Magnesio (CaCO3) 8.0		(a) (b) 0.1–1,0	Estabilidad del Aqua (Indice Langelier)	
Hierro (Fe) 0.0		(a) (b) 0,050,5	A°CpHapHsl\$	
Manganeso (Mn)		(a) (b)		
Sodio (Na) Calc. 124.0				1. AN
Carbonatos (CaCO3) 4.0				
Bicarbonatos (CaCO3) 141.0				
Sulfatos (SO4)		200–400 (a) (b)		
Cioruros (CI <sup>-</sup> ) 107.0		200600 (a) (b)		
Fluoruros (F <sup></sup> ) 0.8		0.6-1,7 (a) (b)		
N tratos (NO3)		45		
Dureza Total (CaCO3) 24.0		1 ປັ້0500 (a) (b)		
Dureza Carbonato 24.0		300		
Aicalinidad (F) 0.0				
A'calinidad Total 145.0		400		
Re (a) Admisible (b) Permisible Anal zó :	esultados expresad		Conforme: 24 24 24 24	Hų ŗ
Analista			Encergado División	Ś

	VISION DE INVEST -REPO	IGACION Y C L A B O R A T RTE DE ANALISI	POTABLES Y ALCANTARILLADOS ONTROL CALIDAD DE AGUA O R I O IS DE AGUA GENERAL- DBIOLOGICO-PLANKTON)
Laboratorio de:	INAPA	A	No. FOC-1-16
Muestra procedente de:			Recolección por: Kamisato.
Provincia:	Indep	pendencia "	Fecha: 22/1/92. 4:00 PM.
Municipio:			DHIA:
Sección:		aitoa.	
Paraje:	Pozo		
Lugar: CLASIFICACION:			
	Pozo		Estudio de Fuente.
DETERMINACIONES FISICO-QUIMICAS	ANALISIS	NORMAS	DETERMINACIONES MICROBIOLOGICAS COLIFORMES
Turbiedad Unid.	0.26 NTU.	5-25 (a)(b) 5-50	Prueba Presuntiva N. M. P./100 ml.
Color Und.	- de 5	(a) (b)	Prueba Confirmativa N. M. P./100 ml.
рН	7.8	6,5-9,2 (a), (b)	Conteo M. F.
Olor		Ninguno	
Temperatura <sup>o</sup> C		0,2 -1,0	PLANKTON
Cloro residual		(a) (b)	No. de Unidades Standard
Sólidos totales		500–1500 (a) (b)	Identificación
CO2	6.0	107 5 500	
Calcio (CaCO3)	181.0	187.5–500 (a) (b)	OTROS ENSAYOS
Magnesio (CaCO3)	57.0	125-600 (a) (b)	Estabilidad del Aqua (Indice Langelier)
Hierro (Fe)	0.0	0.1-1.0 (a) (b)	A °C pHa pHs IS
Manganeso (Mn)		0.050,5 (a) (b)	
Sodio (Na) Calc.	130.0		
Carbonatos (CaCO3)	1.0		
Bicarbonatos (CaCO3)	187.0		
Sulfatos (SO4)		200–40- (a) (b)	
Cloruros (C1 <sup></sup> )	237.0	200.~600 (a) (b)	
Fluoruros (F <sup></sup> )		0.61,7 (a) (b)	
N tratos (NO3)		45	
Dureza Total (CaCO <sub>3</sub> )	238.0	100–500 (a) (b)	
Dureza Carbonato	188.0	, 300	
Alcalinidad (F)	0.0		
A:calinidad Total	188.0	400	

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

(a) Arlmisible (b) Permisible Anal.zó:

Analista

25

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Encargado Laboratoric

INSTITUTO NACIO DIVISION DE	INVESTIGACION Y CO L A B O R A T REPORTE DE ANALISE	OTABLES Y ALCANTARILLADOS INTROL CALIDAD DE AGUA	
Leboratorio de:	INAPA Dājabón. Dajabón. Mariano Cestero.	No. <u>FOC-1-9</u> Recolección por: <u>Nishimoto.</u> Fecha: <u>19/2/92.</u> Hora: <u>14:00</u> Fecha de análisis:	
DETERMINACIONES FISICOQUIMICAS ANALIS	-   !	DETERMINACIONES MICROBIOLOGICAS COLIFORMES	
Turbiedad Unid.2.5 NTColor Und.28.0 UIpH7.4Olor7.4Cloro residual56lidos totalesCO25.0Calcio (CaCO3)31.0Magnesio (CaCO3)45.0Hierro (Fe)0.7Manganeso (Mn)0.46	C.         5-50 (a) (b) 6,5-9,2 (a) (b)           0,2-1,0 (a) (b)           0,2-1,0 (a) (b)           187,5-500 (a) (b)           187,5-500 (a) (b)           125-600 (a) (b)           0,1-1,0	Prueba Presuntiva N. M. P./100 ml Prueba Confirmativa N. M. P./100 ml Conteo M. F P L A N K T O N No. de Unidades Standard Identificación O T ROS ENSAYOS Estabilidad del Aqua (Indice Langelier) AOC pHaPHsIS	
Sourd (var carc.)Carbonatos (CaCO3)0.0Bicarbonatos (CaCO3)67.0Sulfatos (SOā)0.0Cloruros (CI <sup>-</sup> )7.0Fluoruros (F <sup></sup> )0.0N.tratos (NO3)*Dureza Total (CaCO3)76.0Dureza Carbonato67.0A calinidad (F)0.0A calinidad Total67.0	200-40- (a) (b) 200-600 (a) (b) 0.6-1,7 (a) (b) 45 100-500 (a) (b) 300 400	COLOR REAL= - de 5 UDC. Fe SOLUBLE= 0.1	

(a) Admisible (b) Permisible Analizó :

Marganta efaillo

Encargado Laboratorio

Conforme : dluf- 3 ado Divisio

•	τλίλια		
Muestra procedente de:	INAPA		No. <u>FOC-1-1</u>
			Recolección por: <u>Nishimoto.</u>
Provincia:	Dajabón.		Fecha: <u>1/1/92.</u>
Municipio:	Chamiou		
Sección: Paraje:	······································		
Lugar:			
CLASIFICACION:	Pozo.		Estudio de Fuente.
DETERMINACIONES FISICOQUIMICAS	ANALISIS	NORMAS	DETERMINACIONES MICROBIOLOGICAS COLIFORMES
Turbieded Unid.	0.85 NTU.	5-25 (a) (b)	Prueba Presuntiva N. M. P./100 ml.
Color Und,	- de 5.0 UD		Pruebe Confirmativa N. M. P./100 ml.
pН	8.4	6,59,2 (a) <sup>,</sup> (b)	, Conteo M. F.
Olor		Ninguno	
Temperatura °C			PLANKTON
Cloro residual		0,21,0 (a) (b)	No. de Unidades Standard
Sólidos totales	332.0	5001500 (a) (b)	Identificación
CO2	1.0	-	
Calcio (CaCO3)	97.0	187.5–500 (a) (b)	OTROS ENSAYOS
Magnesio (CaCO3)	84.0	125-600 (a) (b)	Estabilidad del Aqua (Indice Langelier)
Hierro (Fe)	0.0	- 0.1-1.0 (a) (b)	A °C pHa pHs IS
Manganeso (Mn)		0,05–0,5 (a) (b)	
Sodio (Na) Calc.	20.0	1	
Carbonatos (CaCO3)	5.0	-	
Bicarbonatos (CaCO3)	181.0		
Sulfatos (SO4)	8.0	20040ບ (a) (b)	
Cloruros (CI <sup></sup> )	23.0	200-600 (a) (b)	
Fluoruros (F <sup></sup> )	0.2	0.6-1,7 (a) (b)	
N.tratos (NO3)		45	
Dureza Total (CaCO3)	181.0	100–500 (a) (b)	
Direza Carbonato	181.0	300	
Arcalinidad (F)	0.0		
Afcalinidad Total	186.0	400	

Analista

Analizó:

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allo <u>Aic gacila</u> Encargado División

DIVISION DE INVES	ITIGACION ⊻ CO LABORAT DRTEDEANALISI -QUIMICOMIGRO	S DE AGUA GENERAL- DBIOLOGICO-PLANKTON) Proyecto Jica	
Laboratorio de:INAPA		No. FOC-1-4	
Muestra procedente de: Monteo	cristy.	Recolección por: <u>Nishimoto.</u> Fecha:	
Provincia:	oin.		1
Consión:		Fecha de análisis: <u>9/1/92</u>	
Paraje:Cabeza	a de Toro.		
Lugar: Pozo			
CLASIFICACION: Pozo		Estudio de Fuente.	
DETERMINACIONES ANALISIS FISICOQUIMICAS	NORMAS	DETERMINACIONES MICROBIOLOGICAS COLIFORMES	
Turbiedad Unid. 54.0 NTU.	5-25 (a) (b) 5-50	Prueba Presuntiva N. M. P./100 ml.	
Color Und. <u>120.0 UDC.</u>	(a) (b)	Prueba Confirmativa N. M. P./100 ml.	I
<b>pH</b> 7.8	6,5-9,2 (a) (b)	, Conteo M. F.	
Olor	Ninguno		
Temperatura °C		PLANKTON	
Cloro residual	0,2-1,0 (a) (b)	No, de Unidades Standard	
Sólidos totales	500-1500 (a) (b)	Identificación	
<b>CO</b> <sub>2</sub> 6.0			-
Calcio (CaCO3) 414.0	(a) (b)	OTROS ENSAYOS	
Magnesio (CaCO3) 419.0	125600 (a) (b)	Estabilidad del Aqua (Indice Langelier)	
Hierro (Fe) 1.4	0.1-1,0 (a) (b)	APHapHsI\$	
Manganeso (Mn)	0,05–0,5 (a) (b)		
Sodio (Na) Calc. 895.0			
Carbonatos (CaCO3) 1.0			
Bicarbonatos (CaCO3) 205.0			
Sulfatos (SO4) 2,400.0	200–400 (a) (b)	COLOR REAL= - de 5	
Cloruros (C1 <sup>-</sup> ) 38.0	200-600 (a) (b)	Fe SOLUBLE=0.0	1
Fluoruros (F <sup></sup> ) 0.4	0.6-1,7 (a) (b)		
Nitratos (NO3)	45		
Dureza Total (CaCO3) 833.0	100–500 (а) (b)		1
Dureza Carbonato 206.0	300		
Alcalinidad (F) 0.0			
Alcalinidad Total 206.0	400	ng/L_excepto turbiedad, color PH y Dlor	1

Resultados

(a) Admisible (b) Permisible Anal zó:

l'acquita Maillo

	Encargado Laboratorio	
Conforme :	~	
1.		5
Dic II	des hod ulwer dell	Х. С
71-0-	Eneargado División	\$

	DIVISION DE INVEST	FIGACION Y CC L A B O R A T RTE DE ANALISIS	OTABLES Y ALCANTÀRILLADOS ONTROL CALIDAD DE AGUA O R I O S DE AGUA GENERAL- Proyecto Jica.
Laboratorio de: Muestra procedente de: Provincia: Municipio: Sección: Paraje:	INAI Daja Daja Los	abón. abón. Arroyos.	No. <u>FQC 11-17</u> Recolección por: Japones. Fecha: <u>19/11/91.</u> Hora: <u>22/11/91.</u> Fecha de análisis: <u>22/11/91.</u>
Lugar: CLASIFICACION:	Pozo Pozo		Estudio de Fuente,
DETERMINACIONE FISICO-QUIMICAS	S ANALISIS	NORMAS	DETERMINACIONES MICROBIOLOGICAS COLIFORMES
Turbiedad Unid. Color Und. pH Olor Tamperatura <sup>o</sup> C Cloro residual	70.0 NTU. 18.0 UDC. 7.5	5-25 (a) (b) 5-50 (a) (b) 6,5-9,2 (a) (b) Ninguno 0,2-1,0 (a) (b)	Prueba Presuntiva N. M. P./100 ml, Prueba Confirmativa N. M. P./100 ml Conteo M. F P L A N K T O N No. de Unidades Standard
Sólidos totales CO2		500-1500 (a) (b) 187.5-500	Identificación
Calcio (CaCO3) Magnesio (CaCO3) Hierro (Fe) Manganeso (Mn)	285.0 126.0 3.0	(a) (b)  125-600  (a) (b)  0.1-1.0  (a) (b)  0.05-0.5  (a) (b)  (a) (b)  (b)  (b)  (b)  (c)	OTROS ENSAYOS Estabilidad del Agua (Indice Langelier) AOC pHa pHsIS
Sodio (Na) Calc. Carbonatos (CaCO3) Bicarbonatos (CaCO3)	1,610.0 0.0 97.0		
Sulfatos (SDā) Cloruros (Cl <sup></sup> ) Fluoruros (F <sup></sup> )	1,400.0 278.0 0.0	$\begin{array}{c} 200-400 \\ (a) (b) \\ 200-600 \\ (a) (b) \\ 0.6-1.7 \\ (a) (b) \\ \end{array}$	COLOR REAL= - de 5.0 UDC. Fe SOLUBLE= 0.2.
Nitratos (NO3) <sup>*</sup> Diareza Total (CaCO3) Diareza Carbonato	411.0 97.0	45 100-500 (a) (b) 300	
Atcalinidad (F) Atcalinidad Total	0.0 97.0	400	

Resultados expresados en P. P. M. o mg/L excepto turbiedad, color P нуц

(a) Admisible (b) Permisible

Analizó :

Conforme: Encargedo División А́р.

Encargado Laboratoric

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Analista

29

7. Physical Condition of Each Villages

Note:

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- 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

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Classification of the Existing Water Supply System

Water Source	Water Supply System	Condition
	I . Hand Pump	1) Broken, Poor Water Quality; not used at present
G. Groundwater	II . Mortorized Pump	2) Presently used but with insufficient amount
	II. Windmill Pump	3) Effictively functioning
	T Doir Wotce	1) Insufficient all the year
	1. Malli Mavel	2) Insufficient during the dry season
	н Прилику	3) Sufficient
D. Durface Water	III. River	1) total total interest of the second s
	N. Stream	
	V . Irrigation Canal	Z) Flain water treatment system, without chlorine application
	VI. Reservoir	3) Final water treatment system, with chlorine application

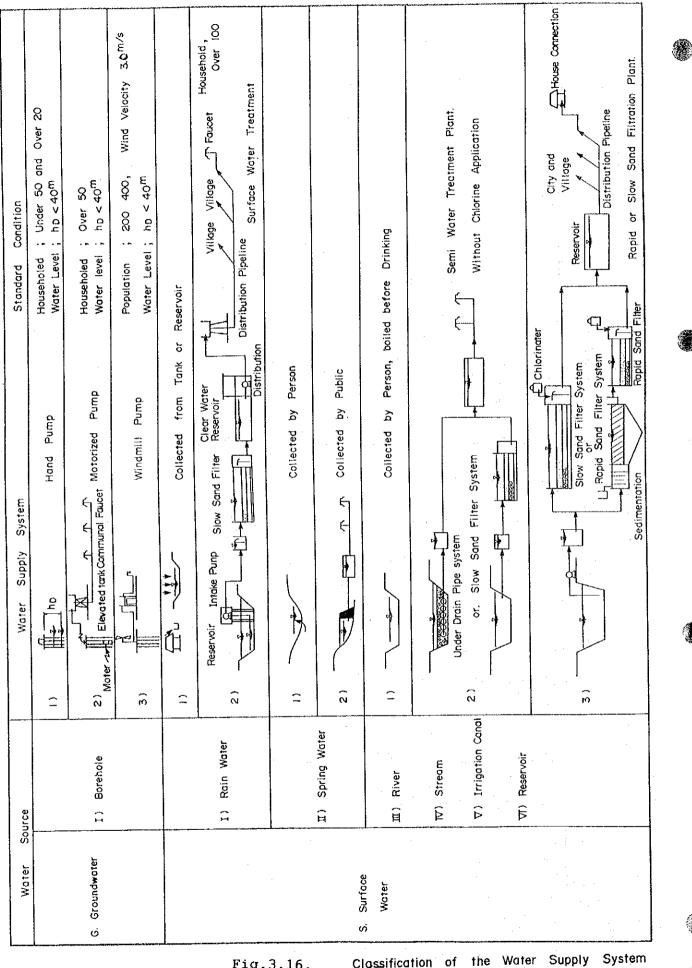


Fig.3.16.

Classification of

1.8

Demand(L/min) Province No. upply Others 24 \*---. 1 Approximate 1.40% 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 develop-ment 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. through ater -3 halfway i ty ~ 2000 s Consumption (L/c/d) Drilling Access Ħ From Monte Cristi G Water Supply Development Plan for ł the road and is situated almost s good 60 Hydrogeological Classification Cordillera Septentrional Population Classification of the Plan very poor Quality 480 Development Plan System Implementation Program Monte and Vasque. Located along Village Condition M-1 El Duro very low Household Potential 06 40% of Titl Rouchelds Along the road : opent 60% Growth Rate 1981-1990 0 Monte Cristi Water Supply Present Condition (1990) ¢ Province Condition very poor 96 • - 100 0000 Ô ŝ Population S-V-1) System Village Duro 480 1.1.1 2 0.5 X ЕÏ Location Map Household -00 Source canal 80 No. ₩-1

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l

Hout to

No.	Village	Province		Hydrogeological Clas	Classification	Province No.
M - 2 Iso	Isobel del Torres	Monte Cristi		Cordillera Septer	Septentrional	I
Water	er Supply Present Condition	t Condition (1990)		Water Supply Dev	Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
63	272	+	72	311	15	5.5/1440=4
Source	System	Condition	Potential	Quality	Drilling Access	Others
Rainfall	I - I - S	very poor	very low	very poor	good	
Location Map	ap .		Development	Plan System	Tank Lorry Transporta	orta tion
			Classification	on of the Plan	S - I - 1)	
			Implementation	on Program	B ( S )	
	00000 0000 0000 0000 0000 0000 0000 0000	10000000000000000000000000000000000000	<pre>Yillage Condition M-2 Isabel del T From Monte Cri along the coast; The reservoir is which is divide farming, and p village is main mately 700 m lon - A reservoir wi at the center o during the dry s - A concrete c installed for ea installed for ea is usually condus season, most of able.</pre>	<pre>lage Condition lage Condition From Monte Cristi it is situated approximately along the coast; The reservoir is caught between 80-90% of the vil The reservoir is caught between 80-90% of the vil which is divided into two groups. The villagers farming, and poor villages are into firewood village is mainly formed at the mountain ranges mately 700 m long. - A reservoir with a storage capacity of 15,000 n at the center of the village. This reservoir, ho during the dry season. - A reservoir with a storage capacity of 15,000 n at the contrete communal water tank with a capacit installed for each group. Although the contract vi lated water distribution once in every two mont is usually conducted once every 4 months; is usually conducted once every 4 months; season, most of these have high salinity content season, most of these have high salinity content</pre>	10 km u lage po are main producti and is and is vith INNA and are and are	p north pulation ly into on The approxi- structed iries up s m3 is s up s tipu- c supply ne rainy undrink-

rx,

(P)

M-3     Hato Vielo     Mente Cristi     Llano del Yaque dei Morte       Kater Supply Present Condition (1930)     Kater Supply Development Plan for 2000       Household     Population     Growth Rate 1831-1930     Household     Population     Loc3       32     150     - 50 %     32     150     40       32     150     - 50 %     32     150     40       Nrer     Source     System     Condition     Potential     Quality     Drilling Access       River     S - III - 1)     very poor     High     Good     Good     Good       Location Map     - 50 %     32     150     40     - 1       Location Map     - 50 %     32     11gh     Good     Good     Good       Location Map     - 50 %     - 50 %     32     150     40       Location Map     - 50 %     - 51 %     Classification of the Plan     0 - 1     - 1       Location Map     - 5 * Map     Drivered Along the road that croses     - 1     - 1       Location Map     - 5 * Map     Drivered Along the road that croses     - 1     - 1       Location Map     - 5 * Map     Drivered Along the road that croses     - 1     - 1       Docation Map     - 5 * Map     - 1 <td< th=""><th>No.</th><th>Village</th><th>Province</th><th></th><th>Hydrogeological Cla</th><th>Classification</th><th>Province No.</th></td<>	No.	Village	Province		Hydrogeological Cla	Classification	Province No.
Supply Present Condition (1930)     Water Supply Development Plan for 2000       Population     Growth Rate 1381-1990     Household     Population     Consumption (L/c/d)       150     - 50 %     32     150     40       System     Condition     Potential     Quality     Drilling Access       System     High     Cood     Good     Good       Prove     Prove     Cood     Good     Good       Prove     Prove     Prove     Classification of the Plan     Good       Prove     Prove     Prove     Prove     Prove       Prove     Prove	I	Hato Viejo	Monte Cristi		del Yaque		Ħ
Population     Growth Rate 1981-1990     Household     Population     Consumption (L/c/d)       150     - 50 %     32     150     40       System     Condition     Potential     Quality     Drilling Access       S - III - I)     very poor     High     Good     Good       Development Plan System     Hand Pump       Powelopment Plan System     Hand Pump       Powelopment Plan System     A - ( G       Powelopment Plan System	Wat.	Supply	Condition (1			Plan for	
150     - 50 %     32     150     40       System     Condition     Potential     Quality     Drilling Access       System     Condition     Potential     Quality     Drilling Access       S-m-1)     very poor     High     Good     Good     Good       Development Plan System     Hand Pump       Pevelopment Plan System     Hand Pump       Potential     Option     Option       Potential     Nullage Condition     A - (Good       Potential     Provesor     Nullage Condition       Potential     Provesor     Nullage Condition       Potential     Potential     Nullage State diang the road that crosses       Potencial     Potencial     Potencial       Potencial     Potencial     Potencial       Potencial     Potencial     State       Potencial     Potencial     Potencial       Potencial     Potencial     Potencial       Potencial     Potencial     Potencial       Potencial     Potencial     Potencial       Potencial     Potencial	Household	Population	Rate	Household	Population	Consumption (L/c/d)	Demand(L/min)
System     Condition     Potential     Quality     Drilling Access       S - III - 1)     very poor     High     Good     Good     Good       S - III - 1)     very poor     High     Good     Good     Good       Development Plan     System     Hand Pump     Good     Good     I - 1       Development Plan     System     Hand Pump     Good     Good     I - 1       Development Plan     Classification of the Plan     Good     Good     I - 1       Development Plan     Classification Program     A - (G     I - 1     I - 1       Development Plan     Program     Mand Pump     A - (G     I - 1       Development Plan     Classification Program     A - (G     A - (G       Development Plan     Program     N - (G     A - (G       Development Plan     Program     A - (G     A - (G       Development Plan     Program     N - (G     A - (G       Development Plan     Program     A - (G     A - (G       Development Plan     Program     N - (G     A - (G       Development Plan     N - (G     N - (G     A - (G       Development Plan     N - (G     N - (G     A - (G       Development Plan     N - (G     N - (G     A	32	150	50	32	150	4 O	7.2/8x60=15
S-III-1)     Very poor     High     Good     Good       Development Plan System     Hand Pump       Development Plan System     Hand Pump       A-(G       A-(G <td>Source</td> <td>System</td> <td>Condition</td> <td>Potential</td> <td>Quality</td> <td></td> <td>Others</td>	Source	System	Condition	Potential	Quality		Others
Development Plan System     Hand Pump       A - (G     -1 -1       A - (G <td>Rîver</td> <td>- H - H</td> <td></td> <td>High</td> <td>Good</td> <td>Good</td> <td>1</td>	Rîver	- H - H		High	Good	Good	1
0       0	Location M	ap ,			Plan System	Hand Pump x	2
A - (G A - (G	 -	·		Classificati	of the	I	
Village Condition Willage Condition W-3 Hato Viejo W-3 Hato Viejo W-3 Hato Viejo W-3 Hato Viejo W-3 Hato Viejo W-3 Hato Viejo M-3 Hato	· .		Star Star	Implementati	on Program		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Concellant Comel	Village Cond M-3 Hato V	ition iejo		
0       0       0       0       0       0       111age is used for water needs. Water for important uses is collect vater needs. Water for important uses is collect downstream flow of Yaque del Norte River located apperture         0 </td <td>0</td> <td></td> <td></td> <td>Argny bank A small ' region: The villa population built on b</td> <td>or radue det NULE, village situated alor ge has a strong tend continues to decree oth sides of the roa</td> <td>sses the farm</td> <td>a paddy village house is</td>	0			Argny bank A small ' region: The villa population built on b	or radue det NULE, village situated alor ge has a strong tend continues to decree oth sides of the roa	sses the farm	a paddy village house is
<b>.</b>	0	000	000000	- A drai water nee downstream km away fr	nage canal near the v ds. Jater for impo flow of Yaque del No om the village.	used for is collect located apr	miscellaneous ced from the broximately 1

No. Village	M -4 Las Aguitas	Water Supply	Household Popul.	115 522	Source Sys	Rainfall S - 1	Location Map					M 32 e
øe ø	tas	Supply Present	Population	12	System	<b>- I</b> -1)				Aputtus 2877	B. M. E. L.	800 80 80
Province	Monte Cristi	Condition (1990)	Growth Rate 1981-1990	+ 32	Condition	Very Poor		Pare errors H	200°			
			Household	153	Potential	Very Low	Development	Classification	Implementation	Village Conditio M-4 Las Aguitas The village is	Elevation: - 3 cons roaming 1 become ve purposes d - A commun it is mevu schedule o	
Hydrogeological Cla	Cordillera Septe	Water Supply De	Population	692	Quality	Very Poor	Plan System	on of the Plan	on Program	Condition s Aguitas 11age is connected to M31		
Classification	Septentrional	Development Plan for 2000	Consumption (L/c/d)	40	Drilling Access	Good	Surface Water Tr	S - I -2)	A - (S)	along the local main road.	in a di in a di	
Province No.	)(		Demand(L/min)	33.2/1440=23	Others	1	Treatment				<pre>ne to free- village has miscellaneous village, but distribution</pre>	

No.	-	Village	Province		Hydrogeological Cla	Classification	Province No.
M - 5	<u>р</u> .	Peladero	Monte Cristi		3.		1
	Water S	Supply Present	t Condition (1990)		Water Supply De	Development Plan for 2000	
Household		Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
ຕ		15	1 2 2 3 6	1	1	I	1
Source		System	Condition	Potential	Quality	Drilling Access	Others
1		Ţ	B	1	1	1	ł
Locati	Location Map	*		Development	Plan System	Village Dispe	Dispersion
			```	Classification	on of the Plan	1	
				Implementation	on Program	ŀ	
			· · · · ·	Village Cond	Condition		
				M-5 Peladero		·	
				Village dis Left bank o A farming r The villag trict of 1980, but o - Water int	Village dispersion. Left bank of Yaque del Norte. A farming region to the south of the main irri The village is surrounded by shrubs and is in trict of the central lowland area. There wer 1980, but only 10 were left in the area. - Water intake from the main irrigation water	f the main irrigation canal; hrubs and is in the isolated area. There were 80 families the area. rigation water canal.	test cest cest cest cest
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	T	·í		T								 				
Province No.	1		Demand(L/min)	ł	Others	1	r ion									
Classification		velopment Plan for 2000	Consumption (L/c/d)	I	Drilling Access	þ	Village Disper ion	1	1		Village Dispersion					
Hydrogeological Clas	9	Water Supply Development	Population	ſ	Quality	I	Plan System	on of the Plan	on Program	ition	Villa					
			Household	1	Potential	1	Development	Classification of	Implementation Program	Village Condition						
Province	Monte Cristi	Condition (1990)	Growth Rate 1981-1990		Condition	1										
Village	Las Clavellína	r Supply Present	Population	1	System	1								•		
No.	M - 6 La	Water	Household	F	Source	I	Location Map					 	<u> </u>		·	<b>A</b>
								6			·					

	Province No.	Ħ		Demand(L/min)	81.6/1440=56	Others	1	System			ong the m. At shrub- lat the lage to ersection mp well. and are
	Classification	1 Norte	Development Plan for 2000	Consumption (L/c/d)	100	Drilling Access	Good	Motorized Pump (	G - I - 2)	(0) – V	Santa Cruz. Located al Senta Cruz. Located al of more or less than 40 a flat area filled with ing plateau can be found oth sides of the nationa carting point of the vil cent to the lateral inte s about 1.5 km. wells and 1 windmill pu ately 200 meters apart
	Hydrogeological Cla	Surdel Yaque del	Water Supply De	Population	680	Quality	Poor	Plan System	on of the Plan	ion Program	e Condition a Pinta vay between Santa Maria and vay between Santa Maria and hat terrain with an elevation northern side of the road is sand fields. A gently slopi aren part of the road. village houses are built on bo houses are built near the st west as well as the area adja vertal of 5 wells: 4 hand pump total of 5 wells: 4 hand pump wells are installed approxim tioning effectively
				Household	156	Potential	High	Development	Classification	Implementation	Village Condition M-7 La Pinta Halfway between S Halfway between S national road after A flat terrain with the northern side beries and fields. Southern part of th The willage houses Many houses are bu the west as well a from Sanita. The v from Sanita. The v functioning effect functioning effect
۲	Province	Monti Cristi	Condition (1990)	Growth Rate 1381-1990	+ 40 %	Condition	Росг				20, 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Village	La Pinta	r Supply Present	Population	441	System	G - I - 1)	Ω			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	No.	7 - M	Water	Household	101	Source	Handpumpx4	Location Map			
	L	1	<b>ا</b>	J	F	<u> </u>		<del>ا .</del>	· · · · · ·		· ·

_					rlaceification	Provínce No.
No.	Village	Province		uyuruseurustear via	1071 1 CO C T O II	
M - 8	Batey Higuero	Monte Cristi		Llano de Yaque de	del Norte	Π
53 #E	Water Supply Present Condition	t Condition (1990)		Water Supply Dev	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%
Location Map	Map		Development	Plan System	Motorized Pump {	System
		<b>→</b>	Classification of	on of the Plan	G - I - 2)	
		es a Reprinte	Implementation	on Program	A – (G)	
anaratic Ale	ан		Village Condition M-8 Batey Higuero Located at the plantation which Located at the en on the left bank The majority of t The residents liv - 169 families in supply of river W - The residents which is at a sho ly collect water	<pre>lage Condition M-8 Batey Higuero Located at the north-eastern end of a governeme plantation which is located along the bank of Yaque cocated at the end of a big banana plantation; a gr on the left bank of Yaque del Norte. The majority of the residents work in the plantatio The residents live in two public housing complexes. I 69 families in the northern housing area receive supply of river water; The residents collect water from the irrigation which is at a shortest range from 10 m - 60-70 mete iy collect water from the Yaque del Norte River.</pre>	<pre>lage Condition M-8 Batey Higuero 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 the neight bank of Yaque del Norte. The majority of the residents worte. The majority of the residents worte. 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 contect water from the irrigation water canal which is at a shortest range from 10 m - 60-70 meters, or direct- ly collect water from the Norte River.</pre>	banana orte. houses aborers. to door to door tr canal direct-

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No.	Village	Province		Hydrogeological Cl	Classification	Province No.
6 - W	Las Penas	Monte Cristi		L‡ano de Yaque (	del Norte	I Ш
Water	er Supply Present	t Condition (1990)		Water Supply D	Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
63	277	+	63	277	100	33.2/1440=23
Source	System	Condition	Potential	Quality	Drilling Access	Others
River	S - III -3)	Very good	Poor	Good	Good	1
Location Map	de		Development	Plan System	From Monte Cristi Water	ater Supply
			Classification	on of the Plan	. 1	
			Implementation	on Program	c -(S)	
			Village Cond	Condition		
			M-9 Las Pe. Located al. Cristi, it Yaque del 1 A rural co	nas ong the Monte Cristi is 3 km to the sout Norte River Mouth, r mmunity at the outsk	M-9 Las Penas M-9 Las Penas Located along the Monte Cristi-Dajabon national road; from 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.	n Monte
			- Water is System. S	supplied through th	is supplied through the Monte Cristi Potable Water Supply	r Supply

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No.	Village	Province		Hydrogeological Cla	Classification	Province No.
M - 10	Batey Juliana	Monte Cristi		d Llano de Yaue del	l Norte	н П
	Water Supply Present Condition	: Condition (1990)		Water Supply De	Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
60	340	 88 96	60	340	60	17
Source	System	Condition	Potential	Qualíty	Drilling Access	Others
River	S -III-3)	Good	Good	Good	Good	1
Location Map	Map		Development	Plan System	From Maguaca Treatment	plant Supply
			Classification	on of the Plan	1	
4	R. Jague der Norta	er Nonte	Implementation	on Program	C -(C)	
the most a is corritan water whe sources f	Zadary carrel Tertiary carrel The most importan Prolition in corritanisation of river water which is a works sources for it.	This village consists maging of agricultural coony coony with files time	٧İ	<pre>11age Condition M-10 Batey Juliana Located along the Monte Cristi-Dajabon road; 1 s km down south to the east from Monte Cristi; a settlement patterned from the housings cons can-run plantations. The houses are orderly co can-run plantations. The houses are orderly co - There is a water system which uses Yaque del resource and supplies water through door to do communal faucets; - The area; - Gathers water from secondary and tertiary located 10-5 km away.</pre>	it is structe onstructe onstructe oor dis itte is	approximately id by Ameri- ted in rows. t as its water stribution and a problem to gation canals

No.	Village	Province		Hydrogeological Cla	Classification	Province No.
M - 11   1	Los Conucos	Monte Cristi		Llano de Yație del	l Norte	=
Water	r Supply Present	t Condition (1990)		Water Supply De	Supply Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
78	384	+ 00 %	86	483	40	16
Source	System	Condition	Potential	Quality	Drilling Access	Others
Rain Water	S - I - 1)	Very poor	Very Low	Very Poor	Good	1
Location Map	, a		Development I	Plan System	S rface Water Tr	Treatment
Level IEW	:	• · · · • • • • • • • • • • • • • • • •	Classification	on of the Plan	S - I -2	
Electronic		the seal winds	l mplementation	on Program	( S )- V	
Had Christian Level		0 0 0 0 0 0 0 0 0 0 0 0 0 0	A	<pre>[[age Condition M-11 Los Conucos The location of M11 is adjacent to M31 along the road that forks halfway throug mountains that completely separate M11 fr Elevation: 180 meters. - A reservoir which can possibly store ap water is installed. However, it is not even for miscellaneous purposes because free-roaming livestock and sand deposits; - An effective windmill pump was establ Service Group, and a comparatively large ted 2-2.5 km south of the village. A willage. However, it has been left un the village. However, it has been left un</pre>	and M4. It is h M31 and M4. T om M4. proximately 20, used in the dr it has been pol ished by the ished by the reservoir are ed at the easte irepaired.	located here are 000 m3 of Y season luted by Christian construc- irn end of

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No.		Village	Province		Hydrogeological Cla	Classification	Province No.
M -	-12	Paso Real	Monte Cristi		Llano de Yaque del Norte	el Norte	н
	Water	· Supply Present Condition	Condition (1990)		Water Supply De	Supply Development Plan for 2000	
Hou	Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
			ł	8	I	1	E
Ň	Source	System	Condition	Potential	Quality	Drilling Access	Others
	ı	1	1	I	I	1	1
Loc	Location Map			Development	Plan System	Village Dispersion	ersion
12				Classification of	on of the Plan		
	. '			Implementation Program	on Program		
				Village Condition	lition		
		·			VI11	Village Dispersion	
j							
						•	
٩			٢				

1111480	Drowing		Hudrogeological Cla	Classification	Province No.
	LTOV1			SSILLCAULOIL	
Cerro Gordo Arriba	a Monte Cristi		Sur del Yaque del	l Norte	
Water Supply Present	nt Condition (1990)		Water Supply De	Development Plan for 2000	
Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
404	4 56	86	431	100	36
System	Condition	Potential	Quality	Drilling Access	Others
S - III - 1)	Very Poor	High	Good	Good	1
Мар		Development Plan	Jan System	Motorized Pump	System
RAD	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Classification	on of the Plan	G - I -2)	
4000 0000 100	. 11	Implementation	on Program	A - (G)	
	10 0 0 0 1000 0 0 0 0 0 0 0 0 0 0 0 0 0	Village Condition M-13 Cerdo Gordo	je Condition Cerdo Gordo Arriba		
@- ·	only 1-days weaks 2406.	Along the Santiago eastern end of Monte A total of 30 houses western starting poin 10 to the south. Abo sometimes 3 or 4 are it has not confirmed, of a cultivated land	Santiago and Dajabon of Monte Cristi. 10 houses gather appri- ting point of the vi- south. About 1.8 km b sout. About 1.8 km b sout. About 2 or 3 hou soffirmed, 2 or 3 hou ated land 2-300 meteri	Ig the Santiago and Dajabon National Road; located at the cern end of Monte Cristi. Dtal of 30 houses gather approximately 250 m halfway from the tern starting point of the village; 20 houses to the north and to the south. About 1.8 km below, one or two rows of houses, to the south. About 1.8 km constructed at the southern area. Although as not confirmed, 2 or 3 houses are constructed on both sides a cultivated land 2-300 meters/km away from the national road.	t the m the outses though sides road.
2000000	aug and 1	- A pipeline tair Systen every 4 week - A privat rely on this	<pre>ipeline based from the water supply plan of System has been installed, but water is onl 4 weeks resulting in serious shortage condi private enterprise sells water, and most of on this water method than on the pipeline.</pre>	IY plan of the Can ater is only suppl rtage conditions; and most of the pipeline.	a Chape- ied once residents

	Village	Province		Hydrogeological Cla	Classification	Province No.
M -14	Pena Ranchaderos	Monte Cristi		Sur del Yaque del	1 Norte	i H
¥a	Water Supply Present	t Condition (1990)		Water Supply De	Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
89	391	+ 10	16	432	100	36
Source	System	Condition	Potential	Quality	Drilling Access	Others.
River	S -III-1)	Very Poor	High	Good	Good	1
Location Map	Map		Development	Plan System	Motorizd Pump S	System
Gradubin	ر م		Classification	on of the Plan	G - I -2)	
· pipe li			Implementation	on Program	A -(G)	
0000000		•	Village Cond	Condition		
3 5 000 00	un te mb		M-14 Pena Located a	M-14 Pena Rancharedos Located along the road approximately	5 km to the east	from the
2		R's Jague dal Hont.	10124121 1012	Guayubin Bridge; - Pipelines were installed in this area for the - Pipelines were installed in this area for the of the Guayubin Waterworks System, however, wat not possible because the main pipeline was amp tion, the 1-inch vinyl pipe of every household where and is left in its amputated state; - The villagers rely on the water distribution by private enterprises, and collect and tra- by private moreoses from Yaque del Norte.	Water ter tran outated. is expo system ansport	Supply Plan smission is In addi- ised every- implemented water for
	ro on the care of the	1			•	
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-   pintolin T				

M -15 Lo						LIUVINCE NO.
-	Los Gorilas	Monte Cristi		Sur del Yaquêdel	:l Norte	ı ا
Water	Supply Present	: Condition (1990)		Water Supply D€	Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption $(L/c/d)$	Demand(L/min)
1	1	1	ī	B	ł	1
Source	System	Condition	Potential	Quality	Drilling Access	Others
1		l		t .	1	ł
Location Map			Development Plan System	Plan System	Village Dispersion	ersion
			Classificati	Classification of the Plan	1	
			Implementation Program	on Program	1	
			Village Condition	ition		
				VIII	Village Dispersion	
$\overline{\}$						

	11148C	rrovince		EVALOSCOLOSICAL VIA	0140011140010U	
M -16 F	El Papayo	Monte Cristi		Cordillera Septentional	ntional A	Ţ
Water	N S	t Condition (1990)		Water Supply De	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	Quạlity	Drilling Access	Others
Spring	S - II - 3)	Good	Good	Good	Good	1
Location Map			Development	Plan System	Spring Water Supply	y by INAPA
SEC	2 Village No 17	e 17 Estero Baisa	Classification	on of the Plan	S - II - 2)	
÷.,			Implementation	on Program	c - (c)	
			Village Condition M-16 El Papayo The mational l approximately 1 approximately 1 mul6 is situati boundary. A narrow plane saddle plateau 80% of the vill - Door to door souply system. source. Even meters away f manner.	<pre>[[age Condition M-16 El Papayo The national road of the saddle of the approximately 10 km away from V111a Elisa approximately 10 km away from V111a Elisa M16 is situated to the north from the boundary. A narrow plane surrounded by mountains in A narrow plane surrounded by mountains in addle plateau with more or less 120 m el saddle plateau with more or less 120 m el sud f the village houses are within closs supply system. This system uses spring supply system the 10 family group resi meters away from the main residents rec manner.</pre>	northern moun south-north its three dire evation. e proximity. ucted by the ve water as its v ding approxim eive water in	mountains is th watershed directions. A directions. A te vast water te vast water te vast re- sumately 700 in the same

	Province No.	Fri		Demand(L/min)	2.9	Others	I	y System			km west of - the up com- n volume from a animal- the area
	Classification	Septentional	Development Plan for 2000	Consumption (L/c/d)	15	Drilling Access	Good	Tank Lorry Supply	(I-I-S	B -( S )	roximately 1.5 he eastern end eservoir dries arger penetratic ollecting water ith the help of ted at the slope ssful because t not conducted.
· · · · · · · · · · · · · · · · · · ·	Hydrogeological Cla	Cordillen Septe	Water Supply De	Population	233	Quality	Good	Plan System	on of the Plan	on Program	<pre>llage Condition M-17 Estero Balso M-17 Estero Balso Located at the sloping lowland area approximately from El Papayo (M16). A reservoir has been constructed at the eastern onuntain in the village. However, this reservoir di pletely during the dry season and has a larger pend compared to the reservoir at the plateau; The residents satisfy their needs by collecting v pulled carts; A well excavation experiment was conducted at the mountain, but the experiment was unsuccessful becar caved in due to the fact that casing was not conduct </pre>
				Household	53	Potential	Very Low	Development	Classification	lmplementation	Village Condit: M-17 Estero B Located at from El Fapay - A reservo mountain in pletely durin compared to t - The reside spring locate pulled carts; - A well excate pulled carts; - A well bu
	Province	Monte Cristi	Condition (1990)	Growth Rate 1981-1990	+ 53. 26	Condition	Very Poor			<b>a</b>	HIG B BAPAYER B B PANS B B PANS B P P P P P P P P P P P P P P P P P P P
	Village	Estero Balso	Supply Present	Population	233	System	S - I -1)				Pro Line 1 Pro Line 1 Pro Present 1 Pro 2 Reservoir Reservoir Reservoir Reservoir Reservoir
	No.	M -17 E	Water	Household	53	Source	Rain Water	Location Map			1000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
						· ·		Ľ	7	- Li	

	r		<u> </u> -	<b></b> -) <sup>-</sup>		- <b>-</b>					
Province No.	Ħ		Demand(L/min)	28	Others	3	ent System			Road the d	
Classification	Norte	Development Plan for 2000	Consumption (L/c/d)	60	Drilling Access	Good	From Guajubin Treatment	S - II-1)	( ) - )	<ul> <li>illiage Condition</li> <li>M-18 Cabeza de Toro</li> <li>A back region located approximately 15 km from the National at the left bank of Guayubin River.</li> <li>Groundwater development is impossible;</li> <li>Groundwater development is to supply the village from Guayubin treatment plant.</li> </ul>	-25
. 1	Sur del Yaue del	Water Supply Dev	Population	56	Quality	Poor	Plan System	on of the Plan	on Program	illage Condition M-18 Cabeza de Toro A back region located approximately 15 km f at the left bank of Guayubin River. - Groundwater development is impossible; - Recommendation of the plan is to supply Guayubin treatment plant.	
			Household	80	Potential	Very Low	Development	Classification	Implementation	Village Condition M-18 Cabeza de Toro A back region locat at the left bank of - Groundwater devel - Recommendation o Guayubin treatment	
Province	Monte Cristi	Condition (1990)	Growth Rate 1981-1990	+ 16%	Condition	Poor		<u> </u>		8 4 °° - 200"	
Village	Cabeza de Toro	er Supply Present	Population	369	System	S -m-1)	ap			60000000000000000000000000000000000000	
No.	M -18 C	Water	Household	75	Source	River	Location Map			200, 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
								18		100 20 20 20 20 20 20 20 20 20 20 20 20 2	2. 2. 2.

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M -19	VILIAGE V	Province		Hydrogeological Cla	Classification	Province No.
	Guajubincito	Monte Cristi		Sur del Yaque del	el Norte	Ħ
Water	er Supply Present	Condition (1990)		Water Supply De	Supply Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
75	352	+ 22 36	94	429	60	21
Source	System	Condition	Potential	Quality	Drilling Access	Others
River	S - III - 1)	Poor	Very Low	Poor	Good	1
Location Map	ap 、		Development Plan	Plan System	Guajubin Treatment S	Treatment Supply System
			Classification of	on of the Plan	S - III - 1)	
Post of a			Implementation Program	on Program	C -(S)	
		and soon a and a soon a a soon a a a a a a a a a a a a a a a a a a	Village Condition M-19 Guarubincito This village corr	ition pincito ge corresponds to vil	llage Condition M-19 Guayubincito This village corresponds to village M18, Caveza de Toro.	

No.	Village	act inced			r)	Drovince No
	005444	LOVINCE		Hy drogeological Ula	122111Catton	
M -20	EL Mangal	Monte Cristi		Sur del Yaque de	del Norte	Ħ
Water	r Supply Present Condition	t Condition (1990)		.Water Supply De	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 -M-3)	Good	Good	Good	Good	1
Location Map	dr		Development	Plan System	Guajubin Treatment P	Plant System
			Classification	ion of the Plan	S -ш-3)	
·			Implementation	ion Program	( <b>S</b> )- 0	
			Village Condition	lition		
			The first right bank	village to of Guayubir	village to the south from the National Road of Guayubin River.	at the
		·	- Water 1: pumping wa	supplied to er from the	each house by the Guayubin Water System by Guayubin River.	ystem by
						·
	· · :			• .	• • •	

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						T	——							
	Province No.	I		Demand(L/min)	14	Others	ŀ	lent System					y 500	60. thue a of the a storage crater- t dry up the resi- reservoir reserv- ian Serv- ne. Now it
	Classification	Septentrional	Development Plan for 2000	Consumption $(L/c/d)$	40	Drilling Access	Good	Serface Water Treatment	S - I -2)	( s )- V			of M34, and is approximately	<pre>Y of approximately 6( In side of the road ir reservoir with a can be found at the er resources do not ively utilized by th m3 spring water ri that was constructed that was constructed ants.</pre>
	Hydrogeological Clas	Cordillera Septer	Water Supply Dev	Population	424	Quality	Very Poor	Plan System	on of the Plan	on Program	Condition	Cayal	This is the neighboring village of M34, meters from M34.	oir with a storage c in be found at the r deer in M34. A sprin der in M34. A sprin a to the south. Bot dry season and are addition, another ne area; of the windmill pum of the windmill pum of the village has splaced the removed by the
				Household	16	Potential	Very Low	Development	Classification	Implementation	Village Cond	M-21 El Caj	This is the meters from	A reservoi sand meservoi village borr capacity of shaped area during the o dents. In the exists in the exists in the exists in the is effective is effective
	Province	Monte Cristi	Condition (1990)	Growth Rate 1981-1990	+ %	Condition	very Poor			(12 x range agen ( water alger x 24)				Evokan ulangan 21
	Village	El Cayal	r Supply Present	Population	391	System	S -VI-1)	۵	e R	200 × 100		c c		Manund wales find and wales find a 10x70x304 11 may he striged at String sat of the Promit wetter when the the construction the year
	No.	M -21	Water	Household	89	Source	Reservoir	Location Map			The second second	(aya)		record water from the stand the stand provide the stand and the stand an
59.V									21	x tel	Valana ( ) mm.	121 121	Wetter	Proceeder

		Village	Province		Hydrogeological Clas	Classification	
M -22	Hato	alMedioArriba	Monte Cristi		Sur del Yaque del Norte	l Norte	
	Water	· Supply Present	Condition (1990)		Water Supply De	Supply Development Plan for 2000	1
Household	hold	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	
Q	62	273	8 6 +	68	300	150	
Sou	Source	System	Condition	Potential	Quality	Drilling Access	
Jaibon	on T. P	S -Ш-3)	food	Good	Good	Good	
Locat	Location Map	0		Development	Plan System	From Jaibon Treatment System	5
				Classificati	Classification of the Plan	S – m – 3)	~
				Implementation Program	on Program	C - (S)	~
			• •	Village Condition	ition		
				M-22 Hato . Located al	M-22 Hato al Medio Arriba Located along the road of the C	M-22 Hato al Medio Arriba Located along the road of the Capital of Monte Cristi.	
				- Water i that suppl	s being supplied by t ies water on a wide a		rð
					Ĩ		
			٢				

	eyes Present					-
ters		Monte Cristi		Sur del Yaque del	el Norte	Ш
		Present Condition (1990)		Water Supply De	Development Plan for 2000	
0	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
0	218	- 2 %	50	218	40	18
5	System	Condition	Potential	Quality	Drilling Access	Others
	[-1)	Very Poor	Vrey Low	Poor	Good	1
Location Map			Development	Plan System	Intake from River	r water
			Classification	on of the Plan	S - II - II	
			Implementation	on Program	c – (s)	
ð			Village Condition	lition		
600	/	Jaquaca.	M-23 Los Amaceyes	maceyes		
90			Located al Barrera to Elevation farms at t	Located along the road that leads t Barrera to the west. Elevation is around 100 meters. A farms at the right bank of Maguaca	ads to M36 La Horca to the east s. A hilly plateau of pastures uaca River.	aast and es and
se vis	50 Nos. Houses	`//	The villag divided i houses ar those to t	e is located along a nto 5 or 6 groups. Th e considerably dista he east where the dist	ed road, and the vil tal is more than 3 k at 30-50 meters, e gradually increase	lagers are um and the especially s.
		a meose	- Since t villagers river loca	there are no possible individually collect ted approximately 5 }	<ul> <li>Since there are no possible water rescurces in the area, the villagers individually collect and transport water from Maguaca river located approximately 5 km ahead.</li> </ul>	sa, the Maguaca

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Hydrogeological Classification     Pr       Sur del Yaque del Norte     Sur del Yaque del Norte       Sur del Yaque del Norte     Sur del Yaque del Norte       Sur del Yaque del Norte     Mater 2000       Water Supply Development Plan for 2000     Mater 2000       471     2068     60       Potentiai     Quality     Development Plan for 2000       Mileh     60     60     1 - 2)       Potentiai     Quality     Drilling Access     1 - 2)       Development Plan System     Motorized Pump Syst     1 - 2)       Development Plan System     Motorized Pump Syst     1 - 2)       Ullage Condition     Motorized Pump Syst     1 - 2)       Village Condition     Motorized Pump Syst     1 - 2)       Millage Condition     Motorized Pump Syst     1 - 2)       Mater serve are been removed:     A - ( G )       Motorized along the castanulas-Guaybun Road.     - 1 - 2)       The publementation Program     A - ( G )       Motorized along the castanulas-Guaybun Road.     - 1 - 2)       The publementation     Motorized along the castanulas-Guaybun Road.       The publementation     Motorized along the value and interval of coold m, along the secretion of the well at the migrant's land, all of the publement and the along the rest with publement and the migrant's land, all of the publement and the migrant's land, all of the publement and
Hydrogeological C         Sur del Yaque         Sur del Yaque         Water Supply         Water Supply         Population         Sold         Sold         Sold         Sold         Condition         Population         Population         Station of the Plan         Condition         Condition         Population         Station         Population         Station         Station         Population         Station         Population         Population         Station         Station         Station         Station         Population         Population         Population         Population         Population         Population         Popolot
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Household Household 471 Potential Potential High Developme Classific Classific Classific Classific rase rended is loc rase there these except have bave bave bave the the the the the the the the the th
Province Monte Cristi Monte Cristi Growth Rate 1981-1990 + 130 % + 130 % + 130 % Condition Very Poor Very Poor Very Poor Main dur Very Poor Very Poor
Prese Bado
No. Villag M -24 Jobo Corco Water Supply Household Popula 204 897 Source Syst Source Syst Canal Syst Canal Syst Canal Syst Canal Syst Const State with Nurse Canal Syst Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const Const

No.	Village	Province		Hydrogeological Cla	Classification	Province No.
M -25	Gozuela	Monte Cristi		Sur del Yaque del	el Norte	Ш
Water	er Supply Present	Condition (1990)		Water Supply De	Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
2-8	383	+ 27 %	200	1500	100	125
Source	System	Condition	Potential	Quality	Drilling Access	Others
Borhole	G - I -2)	Very Poor	High	Good	Good	I
Location Map	ap		Development I	Plan System	Motorized Pump	System
	200 200 100 100 100 100 100 100 100 100		Classification	on of the Plan	G - I -2)	
L5 K			Implementation	on Program	( 0)- V	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 000 000 000 000 000 000 000 000 000		Village Condition Willage Condition M-25 Gozuela A plateau locat approximately 14 tional road. a v Gozuela is a v Gozuela is a v Gozuela is a east from the cen east from the cen on the northern s santa Maria is a east from the cen for the village for it of state for more than a for more than a this state ground ing water supplinges	ge Condition Gozuela Gozuela Gozuela ateau located on the left bank of Chacu wimately 14 km eastward from the Monte il road. It road. It as a village with approximately 50 anit a make up the 75 houses located at Sanit amake up the 75 houses located at ie northern side of the road. Maria is a big village located approxi from the center of Gozuela. It mand pump well has been established fo hand pump well has been established fo the village was dependent on the Santa the village was dependent on the Santa more than a year because the motor pump state groundwater production was impossi state groundwater production was impossi testidents rely on the hand pump we b residents rely on the villagers were troub	Chacuey River tonte Cristi-D ily 50 families is of the contines of the 200 x broximately 3 h proximately 3 h to for the m of the village. Santa Wai tupp was damag pump was damag prossible. trubled with trubbled with	which is ajabon na- s who are Migrants 120 m area tm to the igrants of original- terminated terminated ed and in et drink- toilet was this, they

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	·					rsion		Others	1	Demand(L/mîn)		1	Province No.
-		Village Dispersion		1	I	Village Dispersion	1	Drilling Access		Consumption (L/c/d)	velopment Plan for 2000		Classification
		Villa	lition	on Program	on of the Plan	Plan System	ł	Quality	}	Population	Water Supply Development	I	Hydrogeological Clas
			Village Condition	Implementation Program	Classification	Development Plan	t	Potential	1	Household			
							1	Condition	1 40 %	Growth Rate 1981-1990	Condition (1990)	Monte Cristi	Province
						0	I	System	143	Population	· Supply Present	Baitoa	Village
		· .				Location Map	ŀ	Source	30	Household	Water	M -26	No.

	Village	Province		Hydrogeological Cla	Classification	Province No.
M -27	Sanita	Monte Cristi		Llano de Yaque d	del Norte	П
Water	er Supply Present	t Condition (1990)		Water Supply De	Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
95	760	1 100 %	95	760	40	76
Source	System	Condition	Potential	Quality	Drilling Access	Others
Spring	Poor	Very Low	Poor	Good	Good	1
Location Map	lap		Development	Plan System	Hand Pump Sy	System
6	4	4.2)	Classification	on of the Plan	G - I -1)	
	L'all Control of the second	Land the second se	Implementation	on Program	B -{ G }	
	100		Village Cond Yaque del plantation; large main	<pre>[]lage Condition Yaque del Norte left bank; Near plantation; the northern area of large main irrigation canal.</pre>	the south gate of the village starts	the banana across the
	15- Star		- The windmill the existence of and the water	<ul> <li>The windmill at the center of a deserted pady the existence of an old village. The windmill is and the water is considered to contain large</li> </ul>	ly re s left amou	gion proves unrepaired nt of salt
		an <u>essaes</u> R. I. Serres Serres Serres	making it u - There i however, w first stage	<pre>making it undrinkable; - There is a hand pump well in the paddy however; was considered to contain large a first stage of its construction. This well</pre>	<ul> <li>region. This mount of salt</li> <li>is left unatter</li> </ul>	: well, in the ded at
		Arriver and a second se	present; - There i southern en pump of th pendently F	is a 510 m deep well excaved of the village where a the well has been removed.	present; - There is a 510 m deep well excavation at one corner at southern end of the village where a group of families reside; pump of the well has been removed. At present, this well ir pendently produces 40-60 liters of groundwater per minute, and	it the le; the inde- and is
			the village - Approxima 17 is anot volume, how the village	the villagers source of water; Approximately 1 km to the south from the point sta I is another well emitting water of its own. The volume, however, is less than 10 liters per minute; a Aside from the large main at the northern end of the villagers have many resources such as, seconda	the villagers source of water; - Approximately 1 km to the south from the point stated previous- 1y 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	revious- g water village, tertiary

No.						
	Village	Province		Hydrogeological Classification	ssification	Province No.
M -28 Ma	Marmoleja	Monte Cristi				1
Water 5	Supply Present	c Condition (1990)		Water Supply Dev	Supply Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
1	1	1	1	I		1
Source	System	Condition	Potential	Quality	Drilling Access	Others
1		ŀ	1	I	I	1
Location Map			Development	Plan System	Village Dispersion	ersion
			Classification	on of the Plan		
	·		Implementation	on Program	ŀ	
•			Village Condition	lition		
				Ville	Village Dispersion	
				:		

No.	Village	Province		Hydrogeological Cla	Classification	Province No.
M -29	LA Cabuya	Monte Cristi				1
Water	r Supply Present Condition	t Condition (1990)		Water Supply De	Supply Development Plan for 2000	-
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
!	1	1	l	<b>B</b>	1	
Source	System	Condition	Potential	Quality	Drilling Access	Others
		- - -	1	I		l
Location Map	dı		Development Plan System	Plan System	Village dispersion	rsion
			Classificati	Classification of the Plan	I	
		- - -	Implementation Program	on Program	1	
		14 - 14 - 14 - 14	Village Condition	ition		
• •				ΛIII	Village Dispersion	

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NO.	Village	Frovince		Hydrogeological via:	ULASSIII CALION	TTATICA WA
M -30	Buen Hombre	Monte Cristi		Cordillera Septe	Septentironal	, ,
¥ater	er Supply Present	t Condition (1990)		Water Supply De	Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
86	410	+ %	58	423	40	14
Source	System	Condition	Potential	Quality	Drilling Access	Others
Rain Water	r S - I -1)	Very Poor	Very Low	Very poor	Very Poor	1
Location Map	dap		Development	Plan System	Surface Water Treatment	tent System
			Classification	on of the Plan	S - I -2)	
		- (lé/	Implementation Program	on Program	A -( S )	
	Via Can not confirmed Zer duitribution of	Martin All Structure Mart	<pre>Village Condition M-30 Buen Hombre Face the direction of the M31 village. contre coast. Take lage. - A military obser hillside; there is run-off below the buted through the the residents take or vehicles; - A reservoir wit constructed at the is 250 meters up in the dry seaso</pre>	e age. witthe the ake eesso	from thu in to at the secting up by u up by u reservo reservo	ae center the vil- e western mountain r intake, using cows has been ace which oir dries

Provínce No.	I		Demand(L/min)	ø	Others	1	ment System			from the ns with d along eastern of 125 do not r water vilage. ar, and iy using
Classification	Septentrional	Development Plan for 2000	Consumption (L/c/d)	40	Drilling Access	Good	Surface Water Treatment	S - I -2)	∀ −( S )	<pre>kge Condition kge Condition bcated along the local main road is approximately 11 km from the britonal road of the central Plateau. a mode gently undulated between the central mountains with a road that passes through the planes located at the eastern ea of the fields. .evation: 180 meters. A windmill pump well has been installed at the northern end of a windmill pump well has been installed at the northern end of A windmill pump well has been installed at the northern end of although the water is very salty, in some areas it is almost inkable; There is a concrete communal water tank with a capacity of 125 a within the junior high school campus. The residents do not istribution schedule; A reservoir with a storage capacity of approximately 50,000 m3 constructed 1.5 km to the west from the center of the village. Not the sole water resource used for the whole year, and a reservoir.</pre>
Hydrogeological Clas	Cordillera Septer	Water Supply Dev	Population	245	Quality	Very Poor	Plan System	on of the Plan	on Program	<pre>lage Condition lage Condition Located along the local main road is approximately mational road of the central Plateau. An evoduble plateau situated between the central m 2-3 km wide gently undulated fields. Villages can b the road that passes through the planes located at area of the fields. Elevation: 180 meters. A windmill pump well has been installed at the no strate village. The pump, however, has been removed; Although the water is very salty, in some areas drinkable; There is a concrete communal water tank with a ce and within the junior high school campus. The resi distribution schedule; A reservoir with a storage capacity of approximat is constructed 1.5 km to the west from the center is constructed 1.5 km to the west from the center the reservoir with a storage used for the who approximately 2,000 persons from 4 villages are efit the reservoir the resource used for the who approximately 2,000 persons from 4 villages are efit the reservoir with a storage the reservoir the resource used for the who approximately 2,000 persons from 4 villages are efit the reservoir with a storage through the west from the center of the reservoir the resource used for the who approximately 2,000 persons from 4 villages are efit the reservoir with a storage through the reservoir the who approximately 2,000 persons from 4 villages are efit the reservoir with a storage through the reservoir the who approximately 2,000 persons from 4 villages are efit the reservoir with a storage through the reservoir who approximately 2,000 persons from 4 villages are efit the reservoir with a storage through the storage through the who approximately 2,000 persons from 4 villages are efit the storage the storage through the storage through the storage the who approximately 2,000 persons from 4 villages are efit the storage the storage th</pre>
			Ноиѕећојф	10	Potential	Very Low	Development	Classification	Implementation	Village Condition Located along t national road of An erodible plat An erod that the road that area of the fie Elevation: 180 - A windmill pu the village. The drinkable; - Although the drinkable; - A reservoir w is constructed This is the s approximately is the reservoir w
Province	Monte Cristi	Condition (1990)	Growth Rate 1981-1990	1	Condition	Very Poor		9 9 10 10		
Village	Las Canas	Water Supply Present Condition (1	Population	245	System	S - I -1)	ρ	(		2000 ~ 5000 PUSAN
No.	M -31	Wate	Household	02	Source	Rain Water	Location Map	٥		o o o o o o o o o o o o o o

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	Village	Province		Hydrogeological Cia	Classification	
M -32	La Brigida	Monte Cristi		Cordillera Septe	Septentional	jan-f
Water	or Supply Present Condition	t Condition (1990)		Water Supply De	Development Plan for 2000	
Household	Pcpulation	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
16	95	1 88 %	6	95	40	en
Source	System	Condition	Potential	Quality	Drilling Access	Others
Rain Water	S - I -1)	Very Poor	Very Low	Very Poor	Good	I
Location Map	ap		Development	Plan System	Surface Water Treatment	nent System
Σ	<u>Царания</u> Изд	RIEGENEZH Y INDOLENZZH	Classification	on of the Plan	S – I – 2)	
	Υ 4 2	1005 1.205 2.20 2.20	Implementation	ion Program	( S )- Y	
M 32	Lat Aquities 2897 2897 Branker Branker Andreak		Village Conc M-32 La Br 700 m - 2 Central Lo Watershed The villag more of han Some of han some of han to tally de to ally de the villag supply.	<pre>11age Condition M-32 La Brigida M-32 La Brigida 700 m - 2 km to the west from the local road alon central Lowland of the Plateau; Elevation: 170 m. Watershed area of the surrounding plateau. Watershed area of the surrounding plateau. The village residents have a strong tendency to b more than 7 - 8 families remain at the village's Some of the residents settle down 100 - 300 meter why the household census is difficult to confirm. - The windmill pump installed at the center of totally damaged; - A reservoir is located 1.2 km to the south fro the village. The village relies on this reservoir supply.</pre>	g M31. reak up, s away wh the vill the vill for the certhe	and no l area. ich is lage is ir water

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	Village	Province		Hydrogeological Cla	Classification	Province No.
M - 33 Lo	Loma Atravezada	Monte Cristi		Cordillera Septe	Septentrinal	hard.
Water	er Supply Present	. Condition (1990)		Water Supply De	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	
Location Map	ap		Development	Plan System	Tanklorry	
		<	Classification	on of the Plan	S - I -1)	
CABRASO		the second second	Implementation	on Program	B -( S )	
Schood Link Link	CRISTI3	aster de Tonte	Village Condition M-33 Loma Atravezada - Two reservoirs ar village. these reser are both used as val - Two concrete comm not been effectively schedule of the tank - There are severa contain water after - Groundwater develo	<pre>1]age Condition 1]age Condition M-33 Loma Atravezada M-33 Loma Atravezada Two reservoirs are installed appro village. these reservoirs do not dry village. these reservoirs do not dry reschedule of the tank lorry; not been effectively used due to the schedule of the tank lorry; There are several small streams i contain water after it has rained du formut of tain water is very low; - Groundwater development is assumed</pre>	Condition ma Atravezada reservoirs are installed approximately 4 km away from the reservoirs are installed approximately 4 km away from the these reservoirs do not dry up during the dry season and in used as valuable water resources; concrete communal water tanks have been installed but are concrete communal water tanks have been installed but are to effectively used due to the irregular water distribution e of the tank lorry; e are several small streams in the area, but they only in water after it has rained during the rainy season; it of rain water is very low; idwater development is assumed to be impossible.	um the ion and tt are bution only

No.	Village	Province		Hydrogeological Cla	Classification	Province No.
M -34	Sabana Cruz	Monte Cristi		Cordillera Septe	Septentional	۲٩
#ater	or Supply Present	: Condition (1990)		Water Supply De	Supply Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
125	548	+ 18 %	148	647	40	21
Source	System	Condition	Potential	Quality	Drilling Access	Others
Rain Water	S - I -1)	Very Poor	Very Low	Very Poor	Good	1
Location Map	dr		Development	Plan System	Surface Water Treatment	ment System
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		HUNTLE CONTRACTOR	Classification	on of the Plan	S - I -2)	
M34 Christian Construct		2110	[mp]ementation	on Program	A -( s )	
		Almonta 200	Village Condition M-34 Sabana Cruz	lition a Cruz		
M34		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	The road villages. cross road from the n	The road leading to M34 are the same roads villages. M34 Sabana Cruz is located at the cross road connecting Papaya-Copey-Gayal. It from the national road.	. leading to western end is the first	o other of the village
		A the formation of the second	<ul> <li>A rese village. T only used the pollut</li> <li>The pollut</li> <li>The win</li> <li>The win</li> <li>the reser</li> <li>the grc</li> <li>The cent</li> <li>water cont</li> </ul>	servoir has been constructed at The reservoir at the center of a to supply livestock water dur ution caused by free-roaming li reservoir at the northern end rindmill pump well that has beer servoir at the central area has roundwater is considered to cor roundwater is no embankm intral reservoir has no embankm ontral reservoir has no embankm	village, how ie dry seaso sk; up during rructed adj removed. The carge amount collect the	of the ever, is n due to the dry acent to of salt; run-off

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No.	Village	Province		Hydrogeological Cla	Classification	Province No.
M -35	El Cacao	Monte Cristi		Cordillera Septe	Septentional	hand
Water	r Supply Present Condition	t Condition (1990)		Water Supply De	Water Supply Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
1	-	1	I	1		1
Source	System	Condition	Potential	Quality	Drilling Access	Others
1	1	1	I		Ē	1
Location Map	dı		Development Plan	Plan System	Village Dispersion	rsion
			Classificatio	Classification of the Plan	1	
· · · · ·			Implementation Program	on Program		
			Village Condition	ition		
				ΊΙΙΑ	Village Dispersion	
<b>`</b>	-					

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No.	Village	Province		Hydrogeological Clas	Classification	Province No.
M -36	La Hona	Monte Cristi		Sur del Yaque del	Norte	Π
Water	sr Supply Present	Condition (1990)		Water Supply Dev	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
Rîver, Well	S-II-1), G-II-2	Poor	Very Low	Poor	Good	1
Location Map	dt		Development Plan	Plan System	In future form	formulate
•			Classification	on of the Plan	S - III - 1)	
		K J	Implementation Program	on Program	( S )- C	
Llaguard	Maria Kill	t 12 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1	Village Condition M-36 La Hona - The windmil produces insuf villagers livir River. - Groundwater very low water	<ul> <li>Condition</li> <li>La Hona</li> <li>La Hona</li> <li>La Hona</li> <li>The windmill pump well at duces insufficient amount lagers living farther rely er.</li> <li>Groundwater development is Groundwater potential.</li> </ul>	the southern end of t of water due to poor on the surface water of assumed to be impossible	the village winds. The the Maguaca due to a

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No.	Village	Province		Hydrogeological Clas	Classification	Province No.
M -37	El Manantial	Monte Cristi		Candill Septentional	tional	)-mai
Water	r Supply Present Condition	Condition (1990)		Water Supply Development	velopment Plan for 2000	
Household	Population	Growth Rate 1981-1990	Kousehold	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	1
Location Map	đ		Development Plan System	Plan System	Tanklorry	
	2000 2000 2000	2000	Classification of	on of the Plan	S - I -1)	
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ester Tent	Implementation Program	on Program	B -( S )	
			Village Condition M-37 El Manantial	ítion mantial		
Resu	a line in the second se	B C B B B C C C C C C C C C C C C C C C	Located al It is situ Elevation:	Located along the local road th It is situated approximately 3 Elevation: 156-160 m.	that runs through M31 and M4. 3 km to the north of M4.	
:	2	0 0000000	- A reservoi is construc roaming liv polluted an purposes; - nere are the center some years d	- A reservoir with a storage capa is constructed at the center of roaming livestock and decline in polluted and is only used in th purposes; There are three natural ponds the center of the village, howe some years during the dry season; Although a communal concrete	city of approximately the village, but due the water level, it i e dry season for mis situated 1 km - 600 m ver, it dries up com ver, tank is installe	<pre>cely 20,000 m3 due to free- it has become miscellaneous 00 m away from completely in called at the called to /pre>
		8 K M.4	center or lorry is liters of w	the village, irregular. Eawater from the	independently saves	õ

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No.	Village	Province		Hydrogeological Cla	Classification	Province No.
D-1	Palo Blanco	Dajabon		Sur del Yaque del	l Norte	Ш
Water	er Supply Present Condition	t Condition (1990)		Water Supply De	Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
80	354	+3.5%	80	366	60	18
Source	System	Condition	Potential	Quality	Drilling Access	Others
Well	G- I -1	Good	High	Good	Good	t
Location Map	ap		Development	Plan System	Motorized Pump	Pump System
		· · ·	Classification	on of the Plan	G- I -2	
·	A drusch	hurch	Implementation	on Program	(9)-0	
	€ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		<pre>Yillage Condition D-1 Palo Blanco - Model construc by JICA in 1991 The majority Macabusite Rive about 1 km from shaft of the wel </pre>	<pre>llage Condition D-1 Palo Blanco Model construction of the Motorized Pump Sys by JICA in 1991. The majority of the villagers collect water Macabausite River located approximately 4.5 km Along the road that forks at the center o about 1 km from the central area, is a windmi shaft of the well, however, have been removed.</pre>	<pre>11age 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. village, at - Along the contral area, is a windmill pump well. The shaft of the well, however, have been removed.</pre>	ied out m the Te, The l.

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	Village	Province		Hydrogeological Cla	Classification	Province No.
D-2	Cayuco	Dajabon		Sur del Yaque de	del Norte	Ħ
Water	r Supply Present	Supply Present Condition (1990)		Water Supply De	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	I
Location Map	di		Development	Plan System	Motorized Pump	System
			Classification	on of the Plan	G- I -2)	
	044	no victor	Implementation	on Program	A-(G)	
13	Davidson	0 ⊕ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Α	<pre>[llage Condition D-2 Cayuco Located 8 km northest of Dajabon. A plateau with an elevation of more or less A plateau with an elevation of more or less - 4 hand pump wells are constructed at an i mately 2.0 km. All of these wells are functi mately 2.0 km. All of these wells are functi - There is a damaged windmill pump well lef eastern end of the village. The road is comparatively flat and houses both sides at an interval of 50 - 100 m.</pre>	50 m. nterval of oning effecti t unattended are constru	approxi- vely. at the icted on

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	No.	Village	Province		nyarogeological ula	UIASSIIICATION	LIGVINCE NO.
D-3		Laja	Dajabon		Cordillera Ce	Central	N
	Water	r Supply Present	: Condition (1990)		Water Supply De	Development Plan for 2000	
Hous	Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
	50	400	-11.0%	50	400	₹0	40
SC	Source	System	Condition	Potential	Quality	Drilling Access	Others
Hand	Hand Pump	G- I -2)	Poor	High	Good	Good	1
J · · · · · ·	Location Map	a		Development F	Plan System	Hand Pump	X4
10		*	2	Classification	of the Plan	G-I-1)	
			4 Con.,	Implementation	un Program	B-(G)	
Hacebone.de	₽ <sup>7</sup>   0 @ Escuente. 0 @ B D D	10 000 0000 0000 0000 0000 0000 0000 0	4	Village Condition	ition		
Arriya Si Est		e	ndelón rroyo de la laja	D-3 Laja - Existir central vi - Others	ig four hand pumps a 1.1.1age where approxin inhabitants of the vi	<ul> <li>D-3 Laja</li> <li>Existing four hand pumps are functioning effectively in central village where approximately 30 households exist.</li> <li>Others inhabitants of the village use water of small rivers</li> </ul>	in the Ivers.
ndio		<u>}.</u>					
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No.	Village	Province		Hydrogeological Cla	Classification	Province No.
D-4	La Cienage	Dajabon		Cordillera Ce	Central	N
Water	ar Supply Present Condition	t Condition (1990)		Water Supply De	Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand (L/min)
100	516	+	138	712	40	10
Source	System	Condition	Potential	Quality	Drilling Access	Others
Hand Pump	G-I-3)	Good	High	booð	Good	1
Location Map	BD		Development	Plan System	Existing We	Wells
	Ţ	Landar -	Classification	on of the Plan	(T- I -5)	
HIXOX	to a star	N N N N N N N N N N N N N N N N N N N	Implementation	on Program	(C- (C)	
MALL RADING	- 0 F		Village Condition	ition		
Cororado - O		a den a	D-4 La Cienage	ıage		
<b>N</b>	×	Burkert Fyre with wit-ying part game of a construction of the second o	1 8 1 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1	<ul> <li>Two wells approximately 300 m apart were cc Both wells function effectively and are used</li> <li>A well excavation measuring 1.80 diameters the scrubs located on the northern side of t sloping dommards. With a 6 m water level,</li> <li>used by the residents.</li> <li>Groundwater flowing from the base rock at t at a 200 m2 marsh.</li> <li>The villagers at the western end collect we swamp.</li> </ul>	Two wells approximately 300 m apart were constructed by INA. th wells function effectively and are used by the villagers. A well excavation measuring 1.80 diameters can be found with a scrubs located on the northern side of the road at the a oping downwards. With a 6 m water level, the well is wid conned water flowing from the base rock at the mountain gath froundwater flowing from the base rock at the mountain gath a 200 m2 marsh. The villagers at the western end collect water from the near samp.	INAPA. Jers, within a area widely gathers nearest nearest

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Provínce No.	N		Demand(L/min)	52	Others	i	4			s. witherm area particularly pnly one of damaged and ated at the a draw well. pond closing in this pond vater by 106 oximately 800
Classification	Central	Development Plan for 2000	Consumption (L/c/d)	40	Drilling Access	Good	Kand pump x	G- I -1)	B-(G)	few ondulation area; the so area; the road, ph. However, the survey; the survey; the survey; the water the water a s domestic water a s domestic water bosed to approvent
Hydrogeological Cla	Cordillera Ce	Water Supply De	Population	418	Quality	Good	Plan System	on of the Plan	on Program	<pre>lage Condition Located 6 km east of Dajabon. Fields and pastures with comparatively f To the north is a rice paddy lowland a gently slopes toward the hilly region. The village is structured on both sides on the southern part of the road. The southern part of the road. The wells functions effectively. The left unattended; - The farmers on the northern side of the well's water level was 9.7 m during the well's water neutrance of the The well's water neutrance of the the village is the confluence of Jacuba and Arrofpuett is used as irrigation water and is used households. The use of the pond was prophouseholds.</pre>
			Household	102	Potential	High	Development I	Classification	Implementation	Village Condition Located 6 km east Fields and pastuu To the morth is gently slopes to The village is st on the southern l - The village is st on the southern l - The wells fu left unattended; - The wells fu left unattended; - At the easter the confluence is used as irrig households. The households. The
Province	Dajabon	Present Condition (1990)	Growth Rate 1981-1990	+24.0%	Condition	Poor				
Village	Clavellina	Supply	Population	335	System	G-I-1)	c			
No.	D-5	¥ater	Household	83	Source	Hand Pump	Location Map			
								42		

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	No.	LiV.	Village	Province		Hydrogeological Cla	Classification	Province No.
	D-6	Sabana Santiago	Sant i ago	Dajabon		Cordillera Ce	Central	N
		Water Supp	oly Present	Water Supply Present Condition (1990)		Water Supply Development	velopment 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	I
	Location Map	n Map			Development F	Plan System	Existing We	Wells
43					Classification	on of the Plan	G- I -1)	
	و ک ,		Sabana DE Sentingo		Implementation Program	on Program	C-(G)	
		1	0	version to the second s	Village Condition	ition		
				R. 7 acture	D-6 Sabana	Sabana Santiago		
	æ		14 V2	irej, part	The village - Handpumps		condition is good. are used by the villagers for domestic water.	
			0					
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No.	Village	Province		Hydrogeological VIa	Ulassification	· · · · · · · · · · · · · · · · · · ·
D-7	El Rodeo	Dajabon		Cordillera Ce	Central	Ŋ
Water	er Supply Present Condition	Condition (1990)		Water Supply Development	velopment 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	ł
Location Map			Development Plan System	Plan System	Under Construction by INAPA	by INAPA
		Partido.	Classification of	on of the Plan	S-III-2)	
	g 1 Gusto	15-20	Implementation	on Program	C-(S)	
	\		Village Condition	lition		
0 0 0 0 0 0 0 0 0		And PA	D-7 El Rodeo	03	LUBBA	
	Centro Cox	e	- Developme	- Development plan under construction by inver-	ICCION AT INSTA-	
	nel.	0/0 0 2/2 0		•		
	2,00 2,00 0 0	Arioyo Befaco				
•	<u>, , , , , , , , , , , , , , , , , , , </u>					
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No.	Village	Province		Hydrogeological Cla	Classification	Province No.
D-8	La Gorra	Dajabon		Cordillera Ce	Central	N
Water	r Supply Present	t Condition (1990)		Water Supply De	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	1
Location Map	d		Development I	Plan System	Hand Pump x	9
·			Classification of	on of the Plan	G-I-I)	
• .			Implementation	on Program	A- (G)	
		Tatric factory	Village Conditio D-8 La Gorra Located 20 km A vast and traversed by village faces steeply. - 5 wells by these are hand	on east topc the INAF	region. The eastern end River and slor Service Group.	·U
	<u>.</u>		- The wel cause the end produc - 6 handpu	<ul> <li>The well at the northeastern encause the pumps corroded state, wend produces very salty water.</li> <li>6 handpumps will be implemented.</li> </ul>	of iron proba well at the	southern

Jon Jon

ce No.	N		L/min)	20	Others						
Province	Ľ		Demand(L/min)	2	0tb		2			across the village is id the road ather around arm houses cructed ap-	
Classification	Central	Development Plan for 2000	Consumption (L/c/d)	40	Drilling Access	Good	Hand Pump x	(1 – 1 – 1)	B-(G)	y 500 m 1y region view, an houses ge is const is const	
Hydrogeological Cla	Cordillera Ce	Water Supply De	Population	198	Quality	Poor	Plan System	on of the Plan	on Program	<pre>lage Condition lage Condition D-9 La Barrera Located 400 m north of an area approximatel Maguaca River at the eastern end of La Gorra. Maguaca River at the eastern end of La Gorra. Maguaca River at the eastern end of a flat farming are from the northern end of a flat farming and upon entering the road, a mountain comes into goes uphill as it approaches the mountain. 400 meters from the road is a school, and 10 the school. The rest of the population live i built at 100-200 m interval. - An effectively functioning hand pump well proximately 600 m from the school. - 2 hand pumps will be implemented.</pre>	
			Household	42	Potential	Low	Development	Classification	lmplementation	Village Condition D-9 La Barrera Located 400 m Maguaca River a From the nort located along t upon entering t goes uphill as 400 meters from the school. The built at 100-20 - An effective proximately 600 - 2 hand pumps	
Province	Dajabon	Condition (1990)	Growth Rate 1981-1990	- 53.0 %	Condition	Poor			-	o DB Pojabon	٢
Village	La Barrera	Supply Present Condition	Population	198	System	G- I -2)			~~		-
No.	D-9	Water	Household	42	Source	Hand Pump	Location Map		:		
La	- <b>1</b>							46	. –		///

No.	Village	Province		Hydrogeological Cla	Classification	Province No.
D-10	El Estrecho	Dajabon		Cordillera Ce	Central	IV
- W	Water Supply Present Condition (19	t Condition (1990)		Water Supply De	Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
25	200	1 0. 96	25	200	40	20
Source	System	Condition	Potential	Quality	Drilling Access	Others
Hand Pump	6-I-1)	Very Poor	Low	Poor	Good	3
Location Map	Map		Development	Plan System	x dund PunH	2
			Classification	on of the Plan	G-I-1)	
		boundary	Implementation	on Program	A-(G)	
D 8 d	C C C C C C C C C C C C C C C C C C C		Village Condition D-10 El Estrecho A village acros to the south fro A small village meters from the ing resides wi farm houses are - There is a ha ever, it has bee village is the to carry water c	<pre>lage Condition lage Condition D-10 El Estrecho A village across fields and pastures located a to the south from an area located 700 m east of a small village where 70% of the population re meters from the starting point of the village, ing resides within 1 km from the starting poi farm houses are small and poor. - There is a hand pump well at the center of t ever, it has been damaged and left unattended; - The Maguaca River which is approximately 2 village is the only available water resource. to carry water collected from the river.</pre>	approximate approximate esides wit while the int. The the villag the ahead Livestock	ly 3 km a Gorra. hin 500 remain- existing existing of the is used

No.	Village	Province		Hydrogeological Cla	Classification	Province No.
D-11	El Llano	. Dajabon		Cordillera Ce	Central	IV
#ater	r Supply Present Condition	t Condition (1990)		Water Supply De	Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
65	276	+ 14.0 %	65	276	40	27
Source	System	Condition	Potential	Quality	Drilling Access	Others
Hand Pump	G- I -1)	Very Poor	Ľow	Poor	Good	1
Location Map	d		Development	Plan System	Hand Pump x	3
			Classification	on of the Plan	G-I-1)	
ž	10 parce 11	han	Implementation	on Program	A- (G)	
	Constant of the second	and a ser of the series of the	Village Conditio Approximately 150 meters a detached area. detached area. divided by the is a long and only half of the the village ro think tha region. As a village break - 1 INAPA ha Service Group was construct unattended; - There are miscellaneous - Mater for m located 1 km a	<pre>.lage Condition Approximately 1 km west from the center of D8 La Go 150 meters away from the farmhouses at the end o detached area. Divided by the plains of La Gorra and a small swamp is a long and narrow plateau adjacent to the hills. Only half of the village official population was co the village road. Topographically speaking, it is to think that the rest of the population resides region. As a matter of fact, it is appropriate to village break up reduced the population to half. - 1 INAPA hand pump well and 2 wells donated by Service Group. The wells donated by the Christian was constructed in 1982 and both pumps are dama unattended; There are two small marshes effectively providi miscellaneous purposes; </pre>	of D8 La Gorra. the end of L mall swamp. To the hills. To was confir of it is also it is also the sasu or resides at or half. to half. the sasu or ste damaged s are damaged s are damaged s are from Magu	a Gorra's the south med along difficult the back me that a Christian christian ice Group and left water for aca River

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No.	Village	Province		Hydrogeological Cla	Classification	Province No.
D-12	Tamarindo	Dajabon		Cordillera Ce	Central	Ŋ
Wat	Water Supply Present	t Condition (1990)		Water Supply De	Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
32	186	- 14.0 %	32	186	40	19
Source	System	Condition	Potential	Quality	Drilling Access	Others
River	S-M-1)	Poor	Low	Poor	Very Poor	1
Location Map	fap		Development H	Plan System	River Water	ĥ
			Classification	on of the Plan	S-III-1)	
D12 Tamarinda	a. DI3. La Penita D14 Pueblo Nuebo.	4 Pueblo Nuebo	Implementation	on Program	C-(S)	
00000000000000000000000000000000000000	<u></u>	000	Village Condition D-12 Tamarinda	ition inda		
e zi I		Building Enwith Letter Marth Julk Enwith Julk Enwith the for the formation of the formation	Located along the The topography o hills of the Hait gently sloping pl gently sloping pl going down south a road rich in sh The end of the dc La Penita. Masacre River from the spring dring the rainy	Located along the Haiti Border 15 km south The topography on both sides of the road hills of the Haiti Border varies greatly, gently sloping plateaus used as farms and structured along the road at an interval Going dom south on the ridge on the way a road rich in shifting undulations. The end of the downhill area is the bound La Penita. Masacre River is the main water resourd from the spring water located at the low during the rainy season.	nwest of Dajabo along the ridg forming here a pasture. The v of 50-200 m. to the excavate ary between D12 ce; water is er area of the	n e of the e of the illage is & road is and D13 collected collected

	TILLASC	Province		Hydrogeological Ula	Classification	LIOVINCE NO.
D-13	La Penita	Dajabon		Cordillera Ce	Central	N
#ater	or Supply Present	: Condition (1990)		Water Supply De	Development Plan for 2000	
Household	Population	Growth Rate 1981-1990	Household	Population	Consumption (L/c/d)	Demand(L/min)
79	343	+ 13.0 %	88	388	40	36
Source	System	Condition	Potential	Quality	Drilling Access	Others
Hand Pump	G-I-1)	Poor	Low	Good	Good	1
Location Map	ap		Development	Plan System	Hand Pump x	7
	u~ (	Ptuig. La Pruta(II)	Classification	on of the Plan	G- I -1)	
¢ ó.	Tenar I	Total 48 40 Rund	Implementation	on Program	B-(G)	
A A A A A A A A A A A A A A A A A A A	B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pinita	Village Condition D-13 La Penita Located 15-18 km so The village is div cal features: One plateau, while th at the slope of the the slope of the the distance beth The industrial co groups also differ - The villagers so pump well; - A water collecti slope at the lower - There is abundan water intake can	<pre>1 southwest of 1 ivided into 2 me of the grou the onther grou the hill. etween the two conditions ar eer. s situated in t Caballo pond/ ter part of the dant water onl can be conducted an be conducted</pre>	ccording to its t s in a comparati s along the road measures more th ructure of the au effectively us (INDRHI) is app ructed at the sti the dry season a these water	s topographi- atively "flat ad excavated than 2 km. e 2 village uses a hand approximately stream of the n and direct collecting

No.	Village	Province		Hydrogeological Cla	Classification	Province No.
D-14	Pueblo Nuevo	Dajabon		Cordillera Ce	Central	IV
	Water Supply Present	Supply Present Condition (1990)		Water Supply De	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	1
Location Map	Map		Development	Plan System	Hand Pump x	2
·			Classification	on of the Plan	G- I -1)	
			Implementation	on Program	B-(G)	
			Village Cond	Condition		
			D-14 Pueblo Nuevo	lo Nuevo		
			The neighborf An area rich the D13 ple village is a since the v since the v village popul houses are di houses are	The neighboring village of D13. An area rich in topographical var the D13 plateau and the succeed village is a hollowed area. 10 h road while the others reside at t since the villagers have a str village population was reduced to houses are divided into 3-4 group houses are divided into 3-4 group inland area far from the road. I exact number. - There is a hand pump well near plateaus. The pump, however, is d The villagers constructed a w river bed to enable water intake.	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 th village is a hollowed area. 10 houses are constructed along th rood while the others reside at the back region. Since the villagers have a strong tendency to break up, th village population was reduced to half. 6-7% of approximately 4 houses are divided into 3-4 groups. These villagers reside in th inland area far from the road. It is difficult to confirm the exact number. - There is a hand pump well near the stream flowing through the plateaus. The pump, however, is damaged and is left unattended. The villagers constructed a water collecting channel in th	iddle of of the ong the ong the up, the tely 40 e in the m their in the in the

No.	Village	Province		Hydrogeological Ula	Ulassification	LTOVINCE NO.
D-15	La Ceiha	Дајароп		Cordillera Ce	Central	N
Water	r Supply Present	t Condition (1990)		Water Supply De	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	1
Location Map	dī		Development	Plan System	Surface Water Treatment	ment System
,	<u>ه ب</u> ونو		Classification	on of the Plan	S- III - 3)	
(avo* 米日托 拉人 /	2 07		Implementation	on Program	C-(S)	
All the second of the second s	the charts	racino	ΔI	age Condition 15 La Ceina Water supply of the villag eatment plant of Loma de Cabr o Masacre. Only four households are not	<pre>Ilage Condition D-15 La Ceiha - Water supply of the village is distributed from the w treatment plant of Loma de Cabrera, which intakes water from Rio Masacre Only four households are not supplied in the village.</pre>	water the

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	Province No.	IV		Demand(L/min)	17	Others	ł	existing System				treatment			
	Classification	Central	Development Plan for 2000	Consumption (L/c/d)	60	Drilling Access	root	Expansion of the exis	S-III-3)	C-(S)		de Cabrera			
	Hydrogeological Clas	Cordillera Cen	Water Supply Dev	Population	344	Quality	poor	Plan System	on of the Plan	on Program	ition Lar	The neighboring village of D15, La Ceiha. - Three households are supplied; - Recommendation: expansion of the Loma plant.			
				Household	43	Potential	Low	Development	Classification	Implementation	Village Condition D-16 Castellar	The neighb - Three ho - Reconneo plant	 		
٢	Province	Dajabon	Condition (1990)	Growth Rate 1981-1990	- 0.0 %	Condition	Poor		۲	_	200 200 200 200 200 200 200 200 200 200		 and a second	a Cartellar	Masaguito
	Village	Castellar	r Supply Present	Population	344	System	S-III-3)	D Carles	Seat 1 20 Cartellar	200 00a	A entro		 	 	
	No.	D-16	Water	Household	43	Source	River	Location Map					 		
S44						-		·	53	. •••					

Province No.	IV	n for 2000	n (L/c/d) Demand(L/min)	1	Drilling Access Others	Poor	Village Dispersion	-			_			:	
Classification	t Central	Water Supply Development Plan	Consumption (L/c/d)	1	Drillin	Po	A				Village Dispersion		·	•	
Hydrogeological	Cordillera	Water Supply	Population	I	Quality	Poor	Plan System	Classification of the Plan	ion Program	di tion	٨			- - -	
			Household	I	Potential	Low	Development Plan	Classificati	Implementation Program	Village Condition				 -	
Province	Dajabon	t Condition (1990)	Growth Rate 1981-1930	- 64.0 %	Condition	Poor							• • • • • • • • • • • • • • • • • • •	•	
Village	Masaquito	Water Supply Present Condition	Population	93	System	S-Ш-3)	a		·					•	
No.	D-17	Water	Household	19	Source	River	Location Map								