

RONMAC Monitoring Station Report

Report Date: August 13th, 2001

Station Number: 96446181

Station Name: *Rio Lempa, El Salvador*

Station Location: $13^{\circ} 16' 37''$ N – $88^{\circ} 48' 38''$ W

Time Meridian: 90W

Original Installation Date: 08/13/01

Date of Present Visit: 08/13/01

Purpose of Present Visit: *Installation*

Description of Location: The tide station is located on the north shore of the Rio Lempa at La Pita near the entrance of the river to the Pacific Ocean. The monitoring site is located on the property of "Rancho Lempa Mar" on the river side of the property west of the main building on a concrete pad.

Facility Owner: *Fundacion para la Cooperacion el Desarrollo Comunal de El Salvador (CORDES)*

Facility Contact: *Olivia Mira las Fuentes, Subgerente*

Facility Numbers: *Phone: (502) 883-4825 Fax: (502) Home: (502) 632-2037*

National Agency: *Instuto Geografico Nacional (IGN)*

National Contact: *Lopez Meyer, Director General*

Contact Numbers: *: (503) 260-6417 , Fax: (503) 260-7919*

E-Mail:

DCP Information

DCP Mfg. & Type: *Vitel VX 1100*

SN: *VN10107285*

GOES Transmitter Mfg. & Type: *Vitel VX2609*

Platform ID: *1406E230*

Channel: *61East*

First Transmission: *01:57:00*

Transmission Interval: *180 minutes*

GOES Antenna Mfg. & Type: *Vitel V2TH*

SN: *2T01062246*

Azimuth: 133°

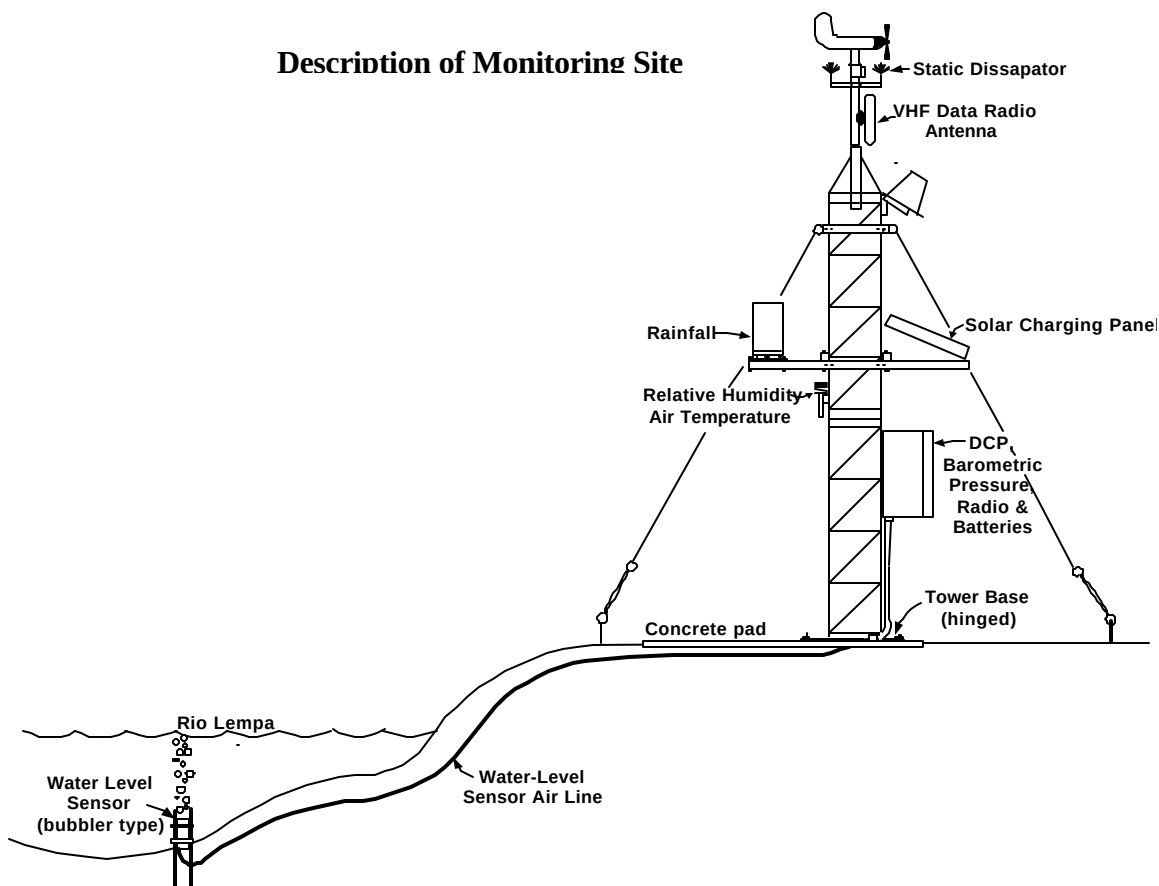
Elevation: 67°

Battery Mfg. & Type: *12VDC – 40AH Gel Cell*

Solar Charger Panel Mfg. & Model: *Solarex 30 watt*

SN: *174578 9/ 1745912*

Description of Monitoring Site



Sensor Information

Sealevel

Sensor Mfg. & Type: Vitel Digi-Bubbler

SN: VB10105074

Installation Date: 08/10/01

Datum Offset: 10000mm

Relative Humidity & Air Temperature

Sensor Mfg. & Type: Viasala HMP45

SN: V4310012

Installation Date: 08/10/01

Wind

Sensor Mfg. & Type: R.M. Young - 05103

- Wind Monitor

SN: 43890

Installation Date: 08/10/01

Barometric Pressure

Sensor Mfg. & Type: R.M. Young

SN: 1595

Installation Date: 08/10/01

Precipitation

Sensor Mfg. & Type: Vitel VRG-TB3

Tipping Bucket

SN: 613

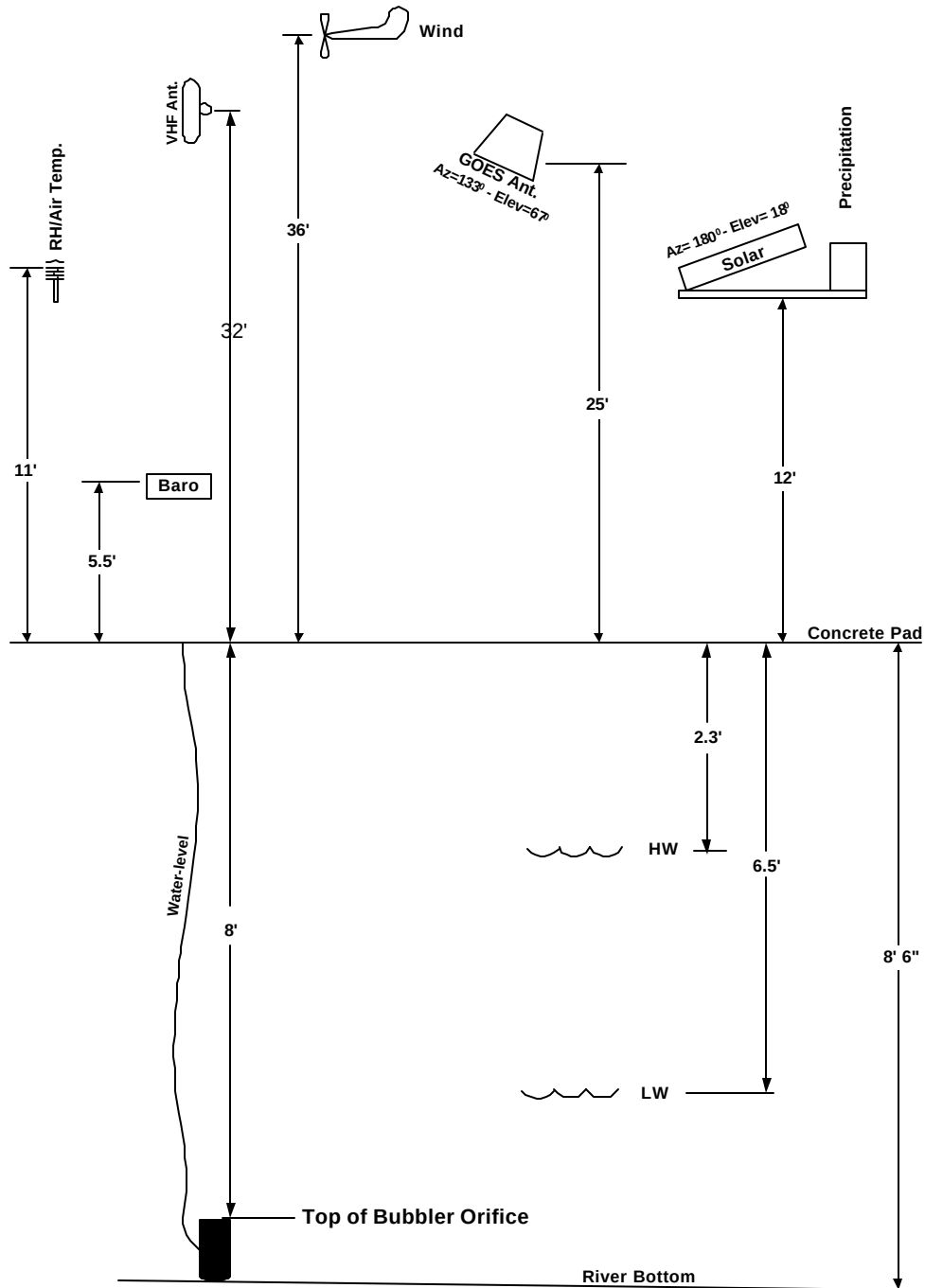
Installation Date: 08/10/01

Location ID	<i>Rio Lempa</i>	Site ID	<i>96446181</i>
GOES ID	<i>1406E230</i>		
TX Channel	<i>61E</i>	Time Meridian	<i>90W</i>
1st TX Time	<i>01:57:00</i>	GMT Offset	<i>6 hr</i>
Interval:	<i>180 minutes</i>	Original Installation Date	<i>August 13, 2001</i>

Sensor Setups

[illegible]

Rio Lempa, El Salvador



Benchmark Information

Number of Tidal Benchmarks: 2

Primary BM Designation: *RONMAC 1A 2001*

SRM Designation: *RONMAC 1A 2001*

Designation of other BM's: *RONMAC 1B 2001*

BM Descriptions Published In: *OAS/IGN*

Were all BM's recovered during this visit? *yes*

Were any BM's destroyed since last recovery? *No*

Leveling Information

ABSTRACT OF PRECISE LEVELS

Date: *August 13, 2001*

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Tide Station Name:	<i>Rio Lempa</i>
Tide Station No.:	<i>96446181</i>
Country:	<i>El Salvador</i>
Chief of party:	<i>L. Chapin</i>
Observer:	<i>L. Chapin</i>
Recorder:	<i>L. Chapin</i>
Rodman:	<i>R. Mejia</i>
Level:	<i>Zeiss Ni-2</i>
Rod:	<i>K & E m</i>

<u>F/B</u>	<u>Difference</u>	<u>Mean</u>	<u>Divergence</u>	<u>Distance</u>	<u>Designation</u>	<u>Elev</u>	<u>Elev + 0</u>
F	+2.417				Sensor Top		10.000m
B	-2.416	+2.416	+1 / +1	.06 / .06 km	RONMAC 1A 2001	12.416	(SRM)
F	-0.043				RONMAC 1A 2001		
B	+0.044	-0.044	+1 / +2	.03 / .09 km	RONMAC 1B 2001	12.372	

OAS - RONMAC

Tidal Bench Marks

Rio Lempa, El Salvador

Lat. 13⁰ 16' 37" N - Long. 88⁰ 48' 38" W

964-46181

TO REACH the monitoring site proceed south from San Nicolas Lempa at the intersection of Highway CA-2 and the Rio Lempa Road 20.5 km to La Pita. The station is on the property of the "Rancho Lempa Mar" near the southwest corner of the fenced property, next to the fence along the river.

"RONMAC 1A 2001" is a brass disk set flush in the concrete foundation extension at the south west corner of the main building, 0.4 ft (0.12m) southwest of the concrete block corner of the building, 31 ft (9.5m) south of the centerline of the road, 41 ft (12.5m) north of the fence along the river bank.

"RONMAC 1B 2001" is a brass disk set flush in the northeast corner of the front porch of the residence of Tanyo Argueta on the north side of the "Rancho Lempa Mar", 2.9 ft. (0.88m) west of the centerline of the doorway into the house, 39 ft. (11.9m) south of the centerline of the main road, 34 ft. (10.4m) north of a fence-line along the river bank

Rio Lempa, El Salvador RONMAC Monitoring Site

