

Red de Observacion del Nivel del Mar para America Central (RONMAC)

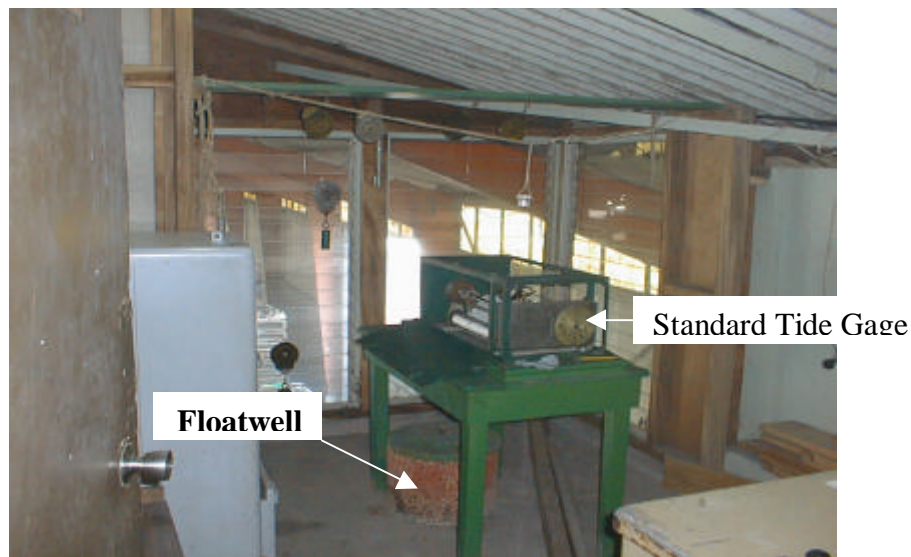
El Salvador Reconnaissance Report (Acajutla)

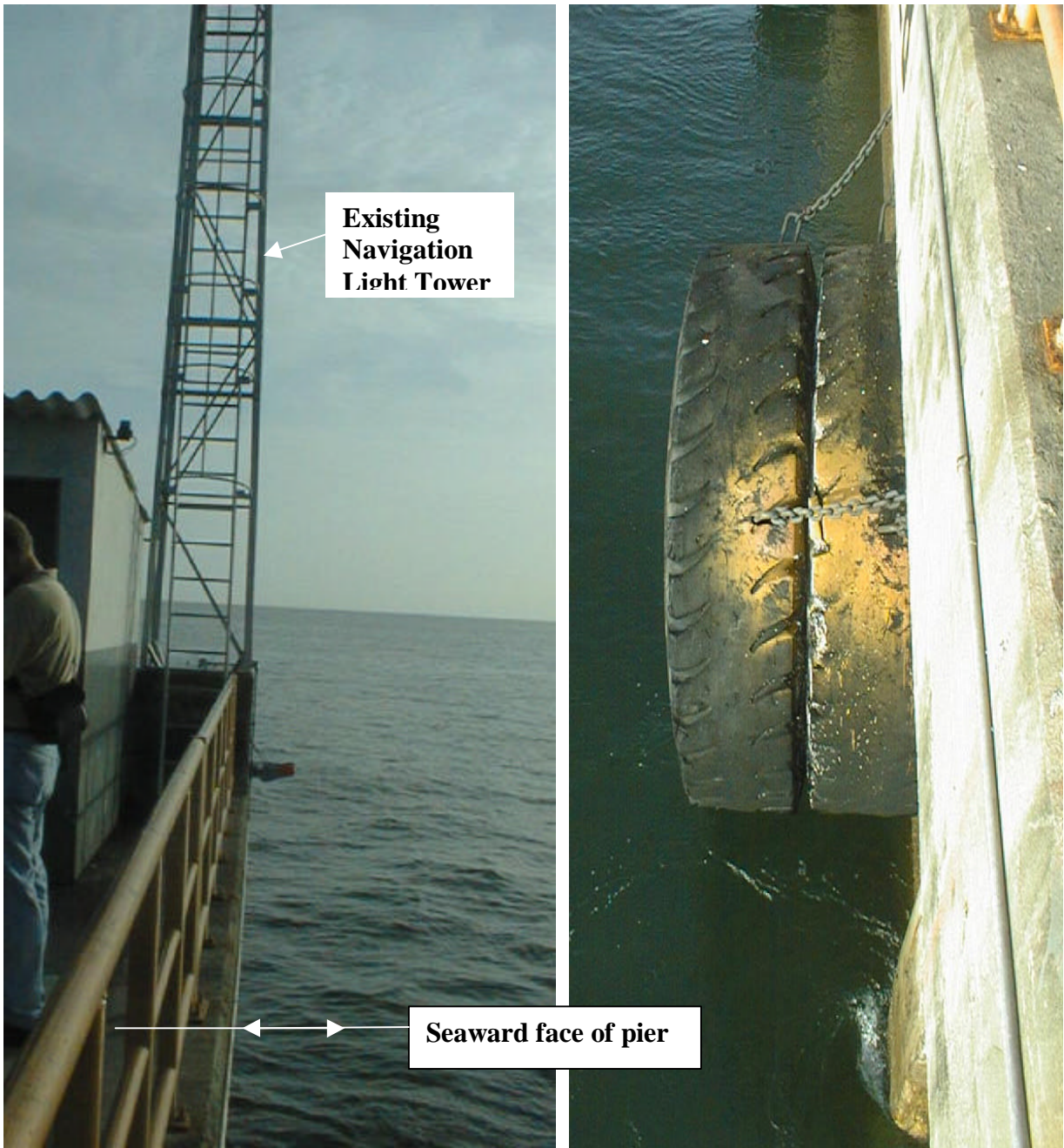
Wednesday, June 21, 2000

Traveled by car to the coast to the Puerto Acajutla, with Ricardo Zimmerman, Director & Tomas Pacheco of the El Salvador National Met Service and Luis Rodezno of IGN;

We toured the Port facility. We looked at the existing tide measurement site.

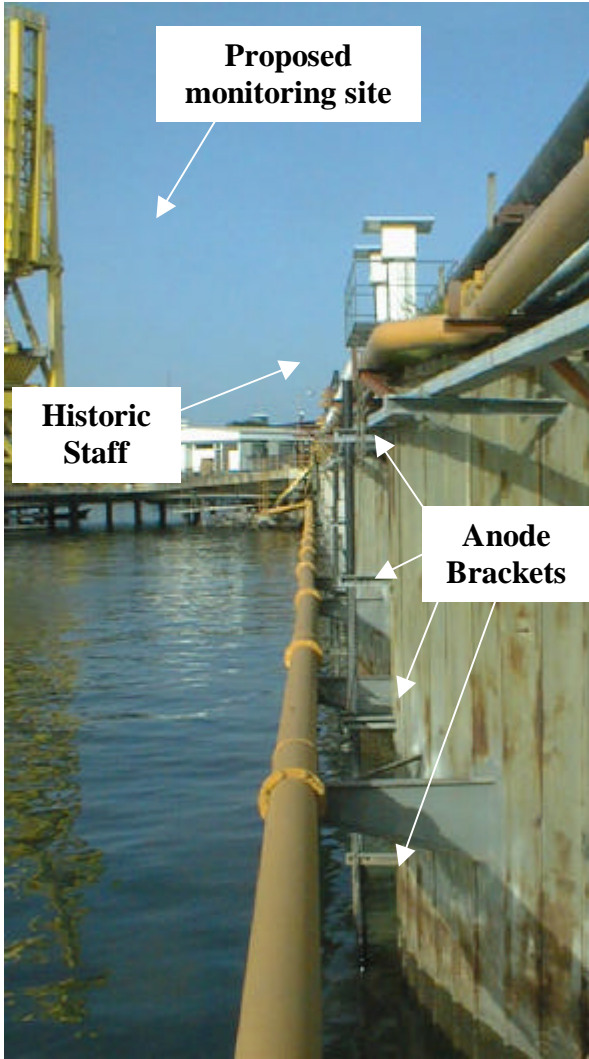
After discussing the suitability of using the historic site for the RONMAC monitoring installation, it was decided that such a plan would require that the historic site be modified extensively. It was decided to look at alternative sites.





The end of the pier offers a marginal location. It is very exposed to the open ocean and to shipping mishaps. This location can be used but is the least desirable of the sites that were investigated.

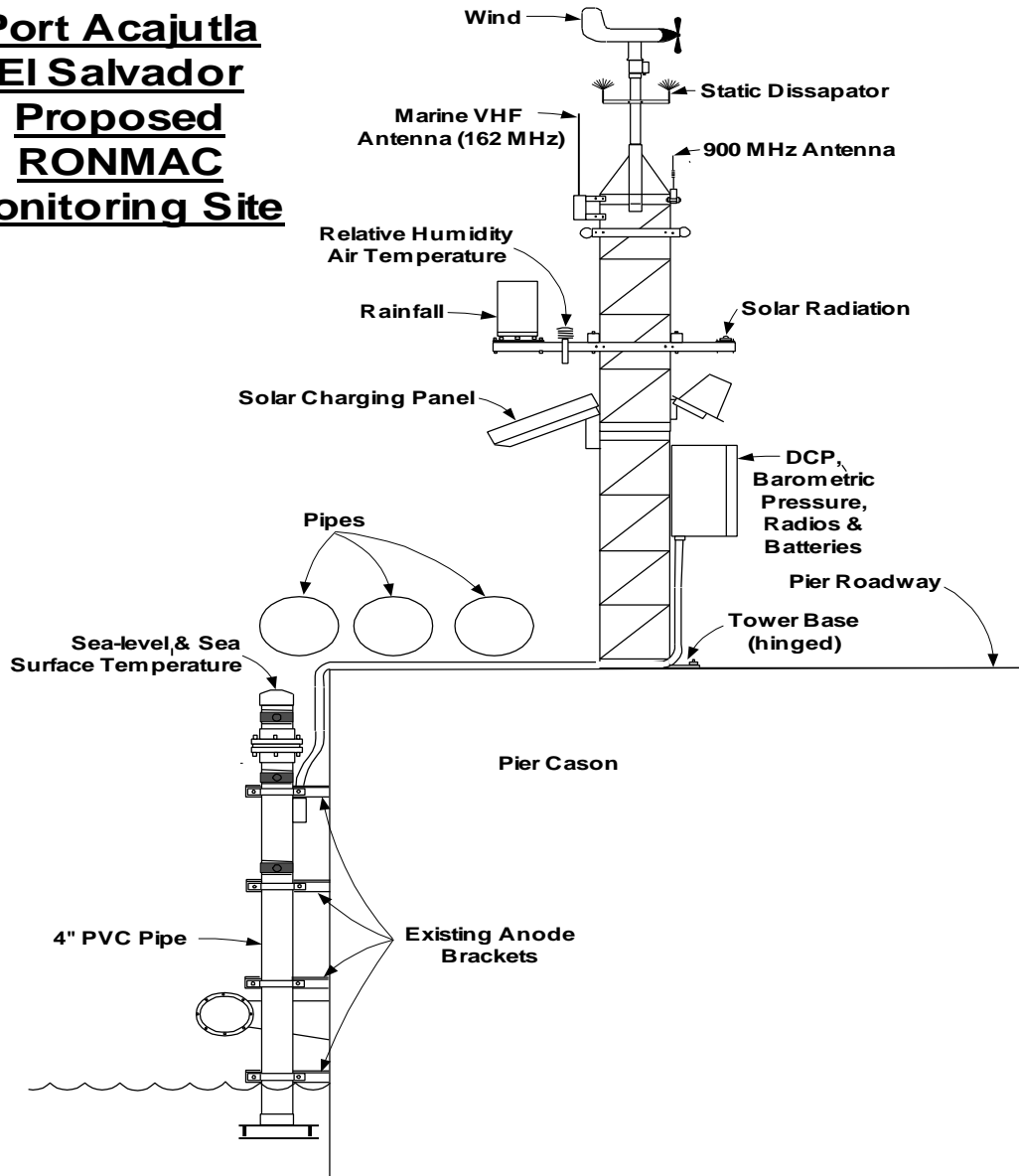
The most desirable of the three sites that were looked at was located on the shoreward end of the pier, near the historic site warehouse. This site is less exposed to the ravages of the sea and it is in a area that is not subject to vessel traffic. This site has existing brackets that are presently utilized for anode wires (see photo and drawing).



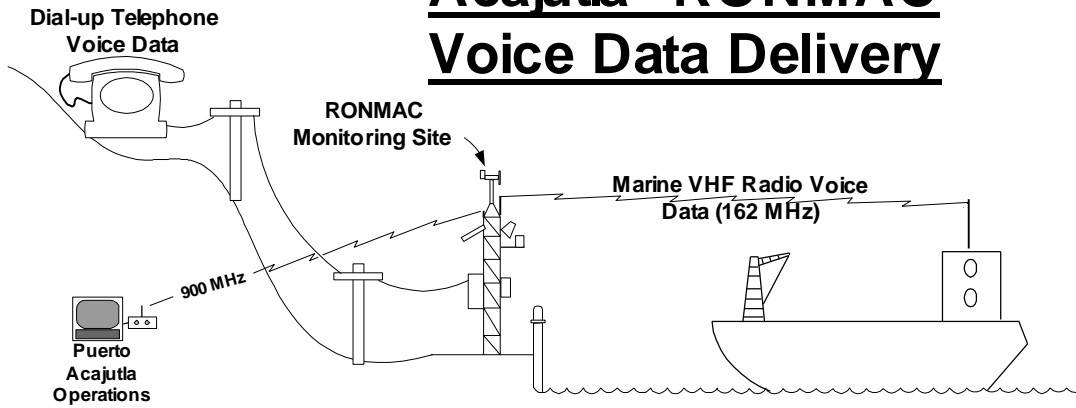
The Proposed RONMAC Monitoring site is located on the extreme edge of the pier roadway, as near to the pier “pipes” as possible. Since the pier is very high above the water, the monitoring site tower is only two sections high and will not require guy wires.



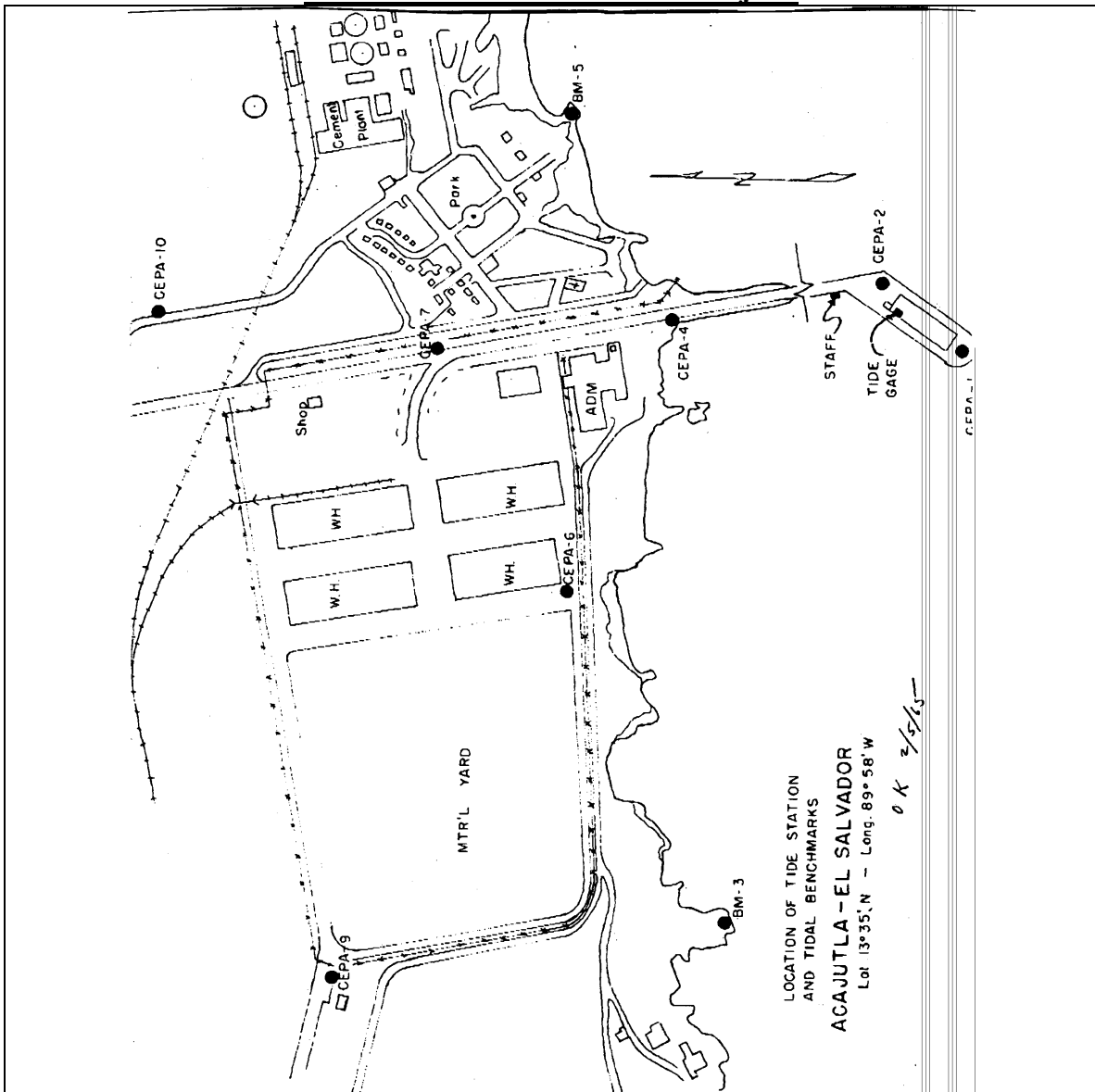
Port Acajutla
El Salvador
Proposed
RONMAC
Monitoring Site



Acajutla - RONMAC Voice Data Delivery



Historic Bench Mark Sketch - Acajutla



~~SECRET~~

~~SUPERSEDED~~

4/6/67

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

TIDAL BENCH MARKS

Acajutla, El Salvador
Lat. 13°35' N; Long. 89°51' W

BENCH MARK CEPA 1 (1962) is a standard disk, stamped "CEPA-1", set flush in the concrete surface at the end of the Acajutla dock. It is about 2 feet southeast of a cement light pole and $2\frac{1}{2}$ feet northwest of the center line of iron stairs. Elevation: 19.44 feet above mean sea level.

BENCH MARK CEPA 2 (1962) is a standard disk, stamped "CEPA-2", set flush in the concrete surface of the outside corner of the south side of the Acajutla dock. It is about 79 feet west of a cement light pole, 32 feet southeast of a bitt and 116 feet southeast of a radar pole. Elevation: 19.34 feet above mean sea level.

BENCH MARK 3 (1962) is a pin imbedded in a monument in rocky region with small bush, near old ruins, outside of the northwest corner of fence of storehouse of CEPA. It is $10\frac{1}{2}$ feet southeast of a tihuilote tree, 141 feet southeast of a light pole and 328 feet southwest of old ruins. Elevation: 31.38 feet above mean sea level.

BENCH MARK 4 (1962) is a standard disk, stamped "CEPA-4", set flush in the north side of a concrete retaining wall at the entrance to the Acajutla dock. It is about 1 foot northwest of a concrete light post, 82 feet northwest of the northwest corner of the weight control house and 31 feet northeast of the west corner of sidewalk. Elevation: 18.74 feet above mean sea level.

BENCH MARK 5 (1962) is a standard disk, unstamped, set in a concrete monument in the rocky region with grass. It is $10\frac{1}{2}$ feet east of and outside wall fence of CESSA Factories Engineer's house. Elevation: 33.16 feet above mean sea level.

(OVER)

USCOMM-CGS-DC

BENCH MARK CEPA 6 (1962) is a standard disk, stamped "CEPA-6", set flush in the northwest corner of the concrete sidewalk on the northwest corner of storehouse No. 4. It is about $34\frac{1}{2}$ feet northeast of fence normal, 21 feet northwest of the northwest corner of storehouse and $20\frac{1}{2}$ feet southeast of the center of a sewage system cover. Elevation: 50.73 feet above mean sea level.

BENCH MARK CEPA 7 (1962) is a standard disk, stamped "CEPA-7", at the southeast corner of a small triangle on the south side of the road leading to Acajutla dock. It is about 984 feet east of the entrance to the dock, 68 feet southwest of a concrete light pole, $23\frac{1}{2}$ feet northwest of the center of a sewage system cover, and $21\frac{1}{2}$ feet northeast of concrete light post number 2. Elevation: 37.73 feet above mean sea level.

BENCH MARK CEPA 8 (1962) is a standard disk, stamped "CEPA-8", set flush in the concrete of the northwest side of the door at the entrance to the storehouse. It is about 2 feet southeast of a transmission box foot, $2\frac{1}{2}$ feet southwest of a concrete post, $2\frac{1}{2}$ feet northwest of an iron post and 18 feet southwest of the south corner of the control of weights house. Elevation: 63.37 feet above mean sea level.

BENCH MARK CEPA 9 (1962) is a standard disk, stamped "CEPA-9", set flush at the east lintel door of storehouse No. 1. It is about 111 feet southeast of the north corner of pavement, and $114\frac{1}{2}$ feet northwest of the south corner of the pavement. Elevation: 51.63 feet above mean sea level.

Mean sea level at Acajutla, El Salvador, is based on 17 months of records, August 1962 to December 1963, reduced to mean values. Elevations of other tide planes referred to this datum are as follows:

	<u>Feet</u>
Highest tide observed	5.0
High water springs	3.15
Mean high water	2.55
Mean tide level	0.00
Mean sea level	0.00
Mean low water	-2.55
Low water springs	-3.15
Lowest tide observed	-4.6

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