Appendix 1

NOAA Form 77-12 Tide Station Report

&

N/OMA121 Form 91-01 Next Generation Water Level Measurement System Site Report

NOAA FORM 77-12 (5-80)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

TIDE STATION REPORT

INSTRUCTIONS: This form is to be fully completed and submitted on station installation and at annual inspection/maintenance. (All information will be verified correct and measurements retaken.) At other station visits and on removal, only changes need be recorded in the appropriate blocks.

STATION NAME | STATION NUMBER

LATITUDE | LONGITUDE | TIME MER.

TYPE OF STATION ☐ PRIMARY ☐ TERTIARY ☐ SECONDARY | REC'D BY NOS HQ

WHARF

NAME

OWNER'S NAME AND LOCAL CONTACT

BUSINESS ADDRESS/TELEPHONE NUMBER

PROJECT ☐ CONTROL ☐ BOUNDARY ☐ CIRCULATORY ☐ HYDROGRAPHIC ☐ OTHER

☐ TEMPERATURE & DENSITY MEASUREMENTS AT THIS STATION

☐ ESTABLISHED ☐ INSPECTED ☐ REMOVED

BY: | DATE

APPROVED BY | DATE

TIDE OBSERVER

NEW ☐ YES ☐ NO

NAME

TELEPHONE NUMBER *(Include Area Code.)* | HOME ( ) | BUSINESS ( )

HOME ADDRESS | DATE HIRED *(If new)* | PAY/MO.

TIDE HOUSE & PLATFORM

SIZE AND BRIEF DESCRIPTION OF INSTALLATION INCLUDING PLATFORM, ACCESS INFO *(Combination, contact, hours...)*

☐ *Continued on reverse.*

TIDE STAFF/ETG

☐ PORTABLE ☐ ELECTRIC ☐ FIXED | ☐ FIBERGLASS ☐ OTHER ☐ VITRIFIED | HINGED ☐ YES ☐ NO | STAFF/ETG CHANGED ☐ YES ☐ NO | DATE OF INSTALLATION

LIMITS OF GRADUATIONS | TOTAL MEASURED LENGTH BETWEEN THE LIMITS OF GRADUATIONS FT. | GRADUATION CORRESPONDING TO RODSTOP/ETG WEIGHT FT. | INITIALS

PRECISE LOCATION, METHOD OF SECURING STAFF, TYPE AND CONDITION OF ROD STOP, AND ADDITIONAL REMARKS

☐ *Continued on reverse.*

GAGES

PRIMARY

TYPE AND MANUFACTURER | SERIAL NUMBER | GAGE CHANGED ☐ YES ☐ NO | DATE OF INSTALLATION

POWER SOURCE ☐ COMMERCIAL ☐ BATTERY ☐ SOLAR ☐ OTHER _____ | FLOAT/ORIFICE DIAMETER INS. | RANGE/SCALE | ☐ NEGATOR SPRING ☐ COUNTERWEIGHT

BACK-UP

TYPE AND MANUFACTURER | SERIAL NUMBER | GAGE CHANGED ☐ YES ☐ NO | DATE OF INSTALLATION

POWER SOURCE ☐ COMMERCIAL ☐ BATTERY ☐ SOLAR ☐ OTHER _____ | FLOAT/ORIFICE DIAMETER INS. | RANGE/SCALE | ☐ NEGATOR SPRING ☐ COUNTERWEIGHT

☐ ADDITIONAL GAGE(S) *(Give details on reverse.)*

REMARKS

☐ *Continued on reverse.*

FLOAT WELL

MATERIAL | INTAKE ☐ FIXED/MOLDED ☐ REMOVABLE | WELL CHANGED ☐ YES ☐ NO | DATE OF INSTALLATION

LENGTH *(Overall)* FT. | LENGTH *(Top to intake)* FT. | INSIDE DIAMETER INS. | INTAKE MAT'L. | INTAKE SIZE *(Hole diameter)* INS. | ORIFICE POSITION

INSPECTION, CONSTRUCTION, INSTALLATION DESCRIPTION AND REMARKS | INTAKE CLEANED ☐ YES ☐ NO | OUTSIDE CLEANED ☐ YES ☐ NO | NO. OF SECURING CLAMPS

☐ *Continued on reverse.*

SUPERSEDES PREVIOUS EDITION. EXISTING STOCK MAY BE DESTROYED UPON RECEIPT OF REVISION.

ETG WELL	MATERIAL			INTAKE ☐ FIXED/MOLDED ☐ REMOVABLE	WELL CHANGED ☐ YES ☐ NO	DATE OF INSTALLATION
	LENGTH *(Overall)* FT.	LENGTH *(Top to intake)* FT.	INSIDE DIAMETER INS.	INTAKE MAT'L.	INTAKE SIZE *(Hole diameter)* INS.	ORIFICE POSITION
	INSPECTION, CONSTRUCTION, INSTALLATION DESCRIPTION AND REMARKS			INTAKE CLEANED ☐ YES ☐ NO	OUTSIDE CLEANED ☐ YES ☐ NO	NO. OF SECURING CLAMPS

TELEMETRY EQUIPMENT	BRISTOL METAMETER TYPE	SERIAL NUMBER	DEDICATED TELEPHONE	GAGE TO METAMETER DIFFERENCE	
	LOCATION OF RECEIVER			PERSON TO CONTACT *(MIC/NWS)*	TELEPHONE
	DARDC/WLTS TERMINAL UNIT NO.	DARDC/WLTS POWER SUPPLY NO.	WLTS MODULE ☐ A ☐ B	MODULE NUMBER	DARDC/WLTS TELEPHONE

MEASUREMENTS	TIDE STAFF/ETG	FLOATWELL *(FW)*/ETG WELL	BUBBLER
	ETG READING MARK ____ FT. WHARF OR FLOOR ____ FT. WATER SURFACE ____ FT. ____ FT. ZERO OF STAFF ____ HARBOR BOTTOM	TOP FW ____ TOP ETG WELL ____ FT. ____ FT. WHARF OR FLOOR ____ FT. WATER SURFACE ____ FT. ____ FT. ____ FT. FW ____ ETG INTAKE ____ HARBOR BOTTOM	WHARF OR FLOOR ____ FT. WATER SURFACE ____ FT. ____ FT. ORIFICE ____ HARBOR BOTTOM
	STAFF/ETG OBSERVATION FOR MEASUREMENT	STAFF/ETG OBSERVATION FOR MEASUREMENT	STAFF/ETG OBSERVATION FOR MEASUREMENT
	FT. / TIME / DATE	FT. / TIME / DATE	FT. / TIME / DATE

LATEST LEVELS	DATE OF LEVELS TO TIDE STAFF	NO. OF MARKS CONNECTED	PBM CONNECTED ☐ YES ☐ NO	NO. OF MARKS ESTABLISHED	NO. OF MARKS RECOVERED
	REMARKS *(Recommendations for new marks, etc.)*				

ADDITIONAL INFORMATION, SKETCH, AND/OR RECOMMENDATIONS *(For continuation, please indicate item. Use additional sheet, if necessary.)*

*U.S. GPO: 1988-554-006/81003

N/OMA121 FORM 91-01 NOAA/NATIONAL OCEAN SERVICE

NEXT GENERATION WATER LEVEL MEASUREMENT SYSTEM (NGWLMS) SITE REPORT

INSTRUCTIONS: This form is to be fully completed (all information shall be verified correct and measurements relative) and submitted on site installation and inspection. At other site visits (repair/modifications) and on removal, only changes need be recorded. This form shall be accompanied by the NGWLMS Well/Sounding Tube Worksheet or equivalent sketch.

☐ ESTABLISHED ☐ INSPECTED ☐ REPAIRED ☐ REMOVED

BY: DATE

APPROVED BY: DATE

RECEIVED (NOS HQ) BY: DATE

SITE NAME | SITE ID NUMBER

LATITUDE (N/S) | LONGITUDE (E/W) | TIME MER. (E/W)

FACILITY

OWNER'S NAME (And Local Representative)

ADDRESS/TELEPHONE #

LOCAL CONTACT

NAME | HOME TELEPHONE # | BUSINESS TELEPHONE #

HOME ADDRESS | DATE HIRED | NEW? ☐ YES ☐ NO | PAY/MONTH

SHELTER & PLATFORM

DESCRIPTION, REMARKS (Size, construction, access, utilities, etc)

☐ Continued on reverse

9000 RTU

RTU S/N | DATE RTU INSTALLED | RTU TELEPHONE # | RTU POWER SOURCE ☐ AC ☐ SOLAR | OPERATING SYS VER | SOL PROGRAM VER

RTU BOARDS CHANGED? ☐ YES ☐ NO | PWR SUPPLY BD S/N | SAT/RADIO BD S/N | COMM CNTL BD S/N | GENERAL I/O BD S/N | MEMORY EXP BD S/N | CPU BD S/N

RTU DESICCANT CHANGED? ☐ YES ☐ NO | MODEM BD S/N | AQUATRAK BD S/N | BACKPLANE BD S/N | TRANSITION BD S/N | TERMINATION BD S/N | AC PWR STDN BD S/N

DESCRIPTION, REMARKS (Location, mounting, etc)

☐ Continued on reverse

PRIMARY WATER LEVEL SENSOR

AQUATRAK S/N | MATCHED TUBE S/N | SENSOR OFFSET | AQ. CHANGED? ☐ YES ☐ NO | DATE AQ. INSTALLED | TEMPERATURE SENSORS SEPARATION

DESCRIPTION, REMARKS

CPVC SOUNDING TUBE LENGTH (Level point to brass tube end) | BRASS TUBE LENGTH | # BAILS

☐ Continued on reverse

PROTECTIVE WELL

MATERIAL (diameter, schedule, color, etc) | PIPE LENGTH (flange to flange) | DATE WELL INSTALLED | INTAKE: DOUBLE CONE ☐ SHROUD ☐ SIDE ☐ | INTAKE/WELL (Cleaned by diver) ☐ YES ☐ NO

BRACKETS (number, type, material, etc) | TOP HAT? ☐ YES ☐ NO | COPPER INSERT? ☐ YES ☐ NO | PARALLEL PLATES? ☐ YES ☐ NO

DESCRIPTION, REMARKS (Well location, vent hose number/size/elevation, mounting, brackets, components, etc)

MARINE FOULING POTENTIAL: LIGHT ☐ MEDIUM ☐ HEAVY ☐ SEASONAL ☐

☐ Continued on reverse

GOES TRANSMISSION & SOLAR PANEL

ANTENNA S/N | DATE ANTENNA INSTALLED | CABLE LENGTH | LOW LOSS CABLE USED? ☐ YES ☐ NO | SMT OFFSET | AZIMUTH | LOCAL DEV. | ELEVATION

PLATFORM ID NUMBER | CHANNEL | TRANSMIT TIME | SOLAR PANEL MANUFACTURER & S/N | RATING | ANGLE

DESCRIPTION, REMARKS (Antenna mounting, etc)

☐ Continued on reverse

8200 DATA RECORDER	8200 S/N	DATE 8200 INSTALLED	PROGRAM VERSION	POWER SOURCE ☐ DC ☐ SOLAR	DESICCANT CHANGED? ☐ YES ☐ NO	CPU S/N	INTERCONNECT S/N
	DESCRIPTION, REMARKS (Mounting, location, etc)					AMP GAIN	SENSOR SLOPE
							☐ Continued below
BACKUP WATER LEVEL SENSOR	SENSOR MANUFACTURER ☐ DRUCK ☐ IMO ☐ PAROSCIENTIFIC ☐ OTHER _____		SENSOR S/N	DATE SENSOR INSTALLED	SENSOR CONFIGURATION ☐ WATER ☐ BUBBLER	PARALLEL PLATES? ☐ YES ☐ NO	
	DESCRIPTION, REMARKS (Sensor location, installation details, etc)						☐ Continued below
OTHER SENSORS	AIR TEMPERATURE ☐ YES ☐ NO	DATE INSTALLED	BAROMETER S/N	DATE INSTALLED	CONDUCTIVITY S/N	DATE INSTALLED	
	WATER TEMPERATURE ☐ YES ☐ NO	DATE INSTALLED	WIND SENSOR S/N	DATE INSTALLED	MET TOWER TYPE: STEEL ☐ FIBERGLASS ☐	DATE INSTALLED	
	DESCRIPTION, REMARKS (Sensor/tower location, installation details, etc)						☐ Continued below
LATEST LEVELS	DATE OF LEVELS	NUMBER OF BENCH MARKS CONNECTED	NUMBER OF BENCH MARKS ESTABLISHED	NUMBER OF BENCH MARKS RECOVERED	PBM CONNECTED? ☐ YES ☐ NO, EXPLAIN	DOWNSHOT LEVELING FIXTURE REQUIRED? ☐ YES ☐ NO	
	REMARKS				AQUATRAK COEFFICIENT 2A (PBM above site datum: from HC)		
					AQUATRAK COEFFICIENT 2B (Leveling point above PBM: from levels) +		
				☐ Continued below	AQUATRAK COEFFICIENT 2 (2A + 2B = 2) -		

REMARKS (Continuations, recommendations, etc)