



COMDTINST 3140.3D  
13 JAN 1988

COMMANDANT INSTRUCTION 3140.3D

Subj: Coastal Weather Program

1. PURPOSE. To set forth policy for weather observation, reporting, and dissemination from Coast Guard shore units and offshore light stations; and, to direct the coordination with the National Weather Service (NWS) for these activities.
2. DIRECTIVES AFFECTED. Commandant Instruction 3140.3C is canceled.
3. PROGRAM OBJECTIVES. To support the National Weather Service in conducting its federally-mandated weather forecasting and dissemination program by:
  - a. Designating those stations and units required to report weather observations.
  - b. Ensuring that weather reports are made in the suitable format as prescribed by the NWS.
  - c. Ensuring that uniform and timely communication procedures and methods are used to convey this information to the NWS.
  - d. Providing procedures for units not participating in a regular weather reporting program which may be required to make weather observations in support of NWS special programs.
4. POLICY. Title 14 Section 147 of the U.S. Code authorizes the Commandant to procure, maintain, and make available facilities and assistance for observing, investigating, and communicating weather phenomena and for disseminating weather data, forecasts and warnings in cooperation with the Director of the National Weather Service. To this end the Commandant supports a program to ensure the high quality and quantity of weather observations for NWS marine weather forecasts. The Coast Guard, as a user, depends upon high quality forecasts for our missions in the marine environment.

5. DISCUSSION.

- a. The National Weather Service has statutory responsibility for providing weather information to the public. The Coast Guard cooperates with the NWS in discharging this responsibility by collecting and providing raw weather and sea data to NWS, and by disseminating NWS's weather forecasts through radio broadcasts and visual warning displays.
- b. Frequently, Coast Guard coastal stations and units are the only source of weather observations in certain coastal regions of the U.S. These observations become critical in developing accurate marine weather forecasts. Careful weather observations and accurate and timely relay of the data are essential components of the weather forecasting process.
- c. The loss of weather information from Coast Guard Light Stations due to automation has created gaps in the coverage provided by the national marine weather reporting network. Automated meteorological equipment is being added to certain Coast Guard Light Stations by the NWS to fill this void.
- d. The importance of meteorological observation reports to weather forecasting should not be underestimated. These reports have a significant role as the data base for operating the weather forecasting models as well as for determining regional variations in meteorological conditions over time.

6. WEATHER OBSERVATION PROGRAM.

- a. All Coast Guard operational shore units, unless specifically exempted by the cognizant district commander, shall record weather observations in accordance with this instruction. Seasonal stations shall make observations only during operational periods. (Any units which secure from watchstanding at night and are required to take observations, shall take observations only at those times an active watch is maintained.)
- b. All weather observations shall normally be recorded on NOAA Form 72-5a, MARINE COASTAL WEATHER LOG-COASTAL STATION. (Instructions for the proper preparation of Form 72-5a are contained with each pad.)
- c. The NWS may request certain units, subject to approval by the district commander, to make detailed aeronautical observations in support of special forecast and warning service programs (primarily in the Seventeenth Coast Guard District). Stations making aeronautical observations will use NWS Form MF 1-10C, SURFACE WEATHER OBSERVATION.
- d. NWS-OG arrangements for designating additional reporting stations, or for making more complete and detailed observations, will be left to the discretion of district commanders.

6. e. Coast Guard units required to take observations on the forms noted above shall observe and record weather conditions at the meteorological synoptic hours: 0000Z, 0300Z, 0600Z, 0900Z, 1200Z, 1500Z, 1800Z, and 2100Z. Supplemental or alternate observation times may be prescribed by special local agreement.
7. WEATHER REPORTING PROGRAM.
  - a. District commanders have designated certain Coast Guard units as weather reporting units. These units have been assigned three letter identifiers by the FAA. Reporting units will transmit data entries from their NOAA Form 72-5a to their collection points, using the assigned station identifier codes.
  - b. Timely reporting of data is critical and delivery of the data collected should be made at once by the swiftest means available in a standardized format. In order to ensure this, specific communication and format procedures are provided in enclosure (2).
  - c. Enclosure (3) lists several conditions which will necessitate a special report to be made. The heading "Special Report" will be used to denote these reports to the collection point. "Special Reports" are to be transmitted immediately and should not be delayed.
  - d. Coast Guard communications/radio stations shall accept weather messages for the National Weather Service from any reporting unit (government or non-government). (This does not preclude any Coast Guard unit from accepting weather information from any source.)
8. DISPOSITION OF COMPLETED WEATHER LOGS.
  - a. Non-reporting units (i.e., without real time transmission requirements) should mail completed forms at the end of each quarter (three months) to:

National Climatic Data Center  
Federal Building  
Asheville, North Carolina 28801-2696  
Attn: Archival Services Branch

Preaddressed envelopes may be ordered from the CG Supply Center, Brooklyn, New York using National Stock Number 7530-00-F02-3770.
  - b. Reporting units (i.e., units with real time transmission requirements) will mail completed forms each month to their National Weather Service monitoring office (enclosure (1)). Preaddressed envelopes will be provided by that office.
  - c. Records Storage: It is not necessary to retain copies of completed forms on board any unit. The National Climatic Data Center Archives constitute an official public records depository and all completed weather log forms are stored there.

8. c. (cont'd) Requests for historical weather information, collected under this program, shall be referred to the National Climatic Data Center.

9. WEATHER DISSEMINATION PROGRAM.

- a. Radio Dissemination. The Commandant supports a broadcast program which provides weather information tailored to the marine environment, in both coastal and high seas areas. Weather and other environmental information in areas of high danger and/or high boating concentrations are particularly important. Scheduled marine information broadcasts will be provided as directed in the Radio Frequency Plan, COMDTINST 2400.1D and may include other marine information. Unscheduled special weather warnings - special, small craft, gale, storm, and hurricane - will be broadcast immediately upon receipt from the National Weather Service. Stations authorized by NWS to initiate visual weather warnings based upon local observations shall also make unscheduled radio transmissions as prescribed in enclosure (4).
- b. Visual Dissemination. District commanders, in cooperation with National Weather Service regional directors, will designate those Coast Guard facilities required to display coastal warning signals. To provide for prompt reaction to hazardous conditions that are officially observed but not yet forecasted, selected display stations have been authorized by the National Weather Service to initiate visual advisories. Enclosure (5) provides instructions to participating Coast Guard units.
- c. Solicitations for Weather Information
- (1) On occasion, Coast Guard facilities receive direct requests for updated weather forecasts. The recipient of the call shall respond in a courteous and helpful manner. The caller should be advised that the Coast Guard does not prepare or issue weather forecasts, and that the latest weather information may be obtained from NOAA Weather Radio. The recipient of the call should offer to read the caller the latest NWS forecast. Qualified forecasters at Coast Guard Air Stations may provide weather forecasts to search and rescue and marine environmental response participants in cases under Coast Guard control in which commercial or other government ships or aircraft are actively involved (cf. Coast Guard Regulations M5000.3A, para 4-1-29 thru 4-1-32).
  - (2) Coast Guard units may provide information regarding existing weather or sea conditions. In supplying locally observed conditions the exact location, time and source of the observation should be given. It should be clearly stated what weather elements, if any, are estimated.

9. c. (2) (cont'd) A suggested format would be: "The weather conditions at the Coast Guard Light Station Bear Island at 6:00 pm local time are partly cloudy and raining with an estimated visibility of 8 miles. The temperature is 75 degrees Fahrenheit and the barometer reads 29.92 inches. The seas are estimated to be 2-4 feet and the wind is estimated to be 15 kts from the SW."
- (3) Requests for other information, such as tidal states, may also be received. These requests should be accommodated if the information is known. Otherwise, the caller should be courteously informed that the Coast Guard does not normally have this information, and should be directed to a more appropriate source (e.g., Port Meteorological Officer).
10. REQUESTS FOR INSTALLATION OF NWS EQUIPMENT. Periodically the Coast Guard receives requests from NWS to equip light stations, offshore structures, and stations with automated remote sensing meteorological equipment. The following procedure shall be followed:
- a. Requests.
- (1) All requests from the National Weather Service will be forwarded to the appropriate district commander for review and approval.
- (2) Requests should contain at minimum a tentative installation date, the type of equipment to be installed and the name and telephone number of the National Weather Service project manager.
- (3) Approved requests will be returned for implementation. Local liaison will then be authorized.
- b. Installation.
- (1) The U.S. Coast Guard will provide:
- (a) Information on the existing equipment configurations, power supplies, space availability, and environmental conditions.
- (b) Transportation to and from the site location. Installation should be arranged to coincide with routine servicing visits.
- (c) Welding and other technical services necessary for the installation of the meteorological equipment.
- (2) The National Weather Service will provide:
- (a) All electronics, test equipment and cabling necessary for installation.
- (b) Technical representatives to assist and provide services for the installation of the equipment.

10. c. Maintenance.

- (1) The U.S. Coast Guard will provide:
  - (a) Transportation to and from the site location for routine or repair visits, normally to coincide with regular servicing visits. No commitment to respond to system failures on an urgent or demand basis is implied.
- (2) The National Weather Service shall:
  - (a) Provide for all equipment and personnel necessary to maintain and repair installed equipment.
  - (b) Provide for data to be automatically relayed without Coast Guard handling.

11. ACTION.

- a. Area and district commanders, commanders of maintenance and logistics commands, and unit commanding officers shall comply with the contents of this instruction.
- b. District commanders shall:
  - (1) Implement the above policy to the extent that resources permit.
  - (2) Designate certain Coast Guard units as weather reporting units.
  - (3) Ensure that communication and formatting procedures, as prescribed in enclosure (2), are properly observed and observations rapidly conveyed by the district weather reporting units.
  - (4) Shall, upon receipt of this instruction, review the current list of coastal units, enclosure (6), and report corrections, additions and deletions to COMDT (G-OIO) indicating which are reporting and which are non-reporting units as defined in paragraphs 6 and 7 of this instruction. List should include number of observations per day and times, and the three letter code. Also if it is day/night working display.
  - (5) Shall submit timely reports of change in weather reporting units and coastal warning display stations (RCS-G-OIO-2155) to Commandant (G-OIO), with copy to National Weather Service (W/050141X2), NOAA, Silver Spring, MD, 20910. Reports of new stations should include latitude and longitude, the number of observations per day and times, and/or the type of display (day, day/night, etc.). NWS will provide the three letter identifier.

11. c. Unit commanding officers and officers-in-charge of reporting, observing and display stations shall: (1) Comply with applicable portions of this instruction.
  - c. Ensure all weather observation forms are properly filled out and submitted as directed.
12. REPORTS AND FORMS.
  - a. Non-reporting units can obtain NOAA Form 72-5a, MARINE COASTAL WEATHER LOG - COASTAL STATION, from the Coast Guard Supply Center Brooklyn. (National stock number 7530-00-F02-1880; unit of issue: pad of 50 sheets.)
  - b. Reporting units will receive NOAA Form 72-5a from the local NWS officer monitoring that unit.
  - c. Stations providing special observations on NWS Form MF 1-10C, SURFACE WEATHER OBSERVATIONS, will receive them from the National Weather Service office monitoring that station's weather records.

/s/ CLYDE E. ROBBINS  
Chief, Office of Operations

- Encl:
- (1) Liaison with National Weather Service
  - (2) Communications and Format Procedures
  - (3) Instructions on Special Weather Reports
  - (4) Instructions for Radio Dissemination Program
  - (5) Instructions for Visual Dissemination Display Program
  - (6) Current List of Coastal Units

LIAISON WITH NATIONAL WEATHER SERVICE

1. Required publications, manuals, forms, and corrections thereto, will be furnished by the NWS direct to the reporting unit. In addition, the NWS has agreed to visit each Coast Guard reporting unit on a mutually agreed, scheduled basis to provide instrument calibration and technical guidance. If a unit is not visited by NWS personnel within any 12 month period, the commanding officer or officer-in-charge of the unit concerned shall inform the Commandant (G-OIO), the district commander, and the National Weather Service Headquarters Marine Observations Program Office, at the address listed below:

NWS Headquarters  
Marine Observation Program Leader  
National Weather Service, NOAA  
8060 13th Street  
Silver Spring, MD 20910  
(301) 472-7724 (FTS 427-7724)

2. National Weather Service Regional Offices and Port Meteorological Officers that will assist Coast Guard units are listed below:

ADDRESSES OF NATIONAL WEATHER SERVICE REGIONAL OFFICES

NWS Eastern Region  
585 Stewart Avenue  
Garden City, NY 11530  
FTS 649-5431

NWS Western Region WFW4  
Federal Building, Box 11188  
Salt Lake City, UT 84147  
FTS 588-5138

NWS Southern Region  
819 Taylor Street  
Fort Worth, TX 76102  
FTS 334-2655

NWS Alaska Region WFA12  
701 C St., Box 20  
Anchorage, AK 99513  
(907) 271-5121

NWS Central Region  
601 E. 12th St.  
Kansas City, MO 64106  
FTS 758-3226

NWS Pacific Region WFP12  
Prince Kuhio Federal Building  
Room 4110, P.O. Box 50027  
Honolulu, HI 96850  
(808) 546-5688

ADDRESSES OF NATIONAL WEATHER SERVICE PORT METEOROLOGICAL OFFICERS

Atlantic Area

National Weather Service, NOAA  
30 Rockefeller Plaza  
New York, NY 10112  
(212) 399-5569 (FTS 662-5569)

National Weather Service, NOAA  
Building 51, Newark Airport  
Newark, NJ 07114  
(201) 624-8098 (FTS 341-6188)



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National Weather Service, NOAA  
Norfolk International Airport  
Norfolk, VA 23518  
(804) 441-6326 (FTS 827-6326)

National Weather Service, NOAA  
1600 Port Boulevard  
Miami, FL 33132  
(305) 358-6027

National Weather Service, NOAA  
Jacksonville International Airport  
Box 18367  
Jacksonville, FL 32229

Great Lakes Area

National Weather Service, NOAA  
Cleveland Hopkins International  
Airport  
Cleveland, OH 44135  
(216) 267-0069 (FTS 942-4949)

National Weather Service, NOAA  
O'Hare Office Bldg. 2, Rm 610  
10600 West Higgins Road  
Rosemont, IL 60018  
FTS 353-4680/353-2455

Gulf Area

National Weather Service, NOAA  
1120 Old Spanish Trail  
Slidell, LA 70458  
(504) 589-2808 (FTS 682-6891)

National Weather Service, NOAA  
Route 6, Box 1048  
Alvin, TX 77511  
(713) 331-3752 (FTS 526-5834)

Pacific Area

National Weather Service, NOAA  
7600 Sand Point Way, N.E.  
Bin C15700  
Seattle, WA 98115  
(206) 526-6100 (FTS 392-6100)

National Weather Service, NOAA  
Government Island Building 3  
Alameda, CA 94501  
(415) 273-6257 (FTS 536-6257)

National Weather Service, NOAA  
2005 T Custom House  
300 South Ferry Street  
Terminal Island, CA 90731-7415

Panama Canal Zone

National Weather Service, NOAA  
Box 1301  
APO Miami 34005  
(Local: Ft. Davis,  
Republic of Panama)  
46-7205

## COMMUNICATIONS AND FORMAT PROCEDURES

1. In order to promote uniformity from station to station and to allow entry into the DOD weather service computer, all weather messages sent from Coast Guard units under this program shall use the standardized message format described below. The information is to be taken from NOAA Form 72-5a, using the same abbreviations and numbers as found on the form.
2. Weather messages will be in a columnar format with specified spacings. Each message will always contain the five slash marks "/" in the positions indicated below even if the parameter contained between two slashes is missing. When the visibility is less than one mile, it will be reported to the nearest 1/4 mile using a slash between the two numbers. In this case there will be six slash marks in the message. All visibilities, wind speeds, sea and air temperatures, sea heights and periods will be at least two digits. If the number is less than 10, precede it with a zero (0). All temperatures will be reported in degrees Fahrenheit.
3. This message format is as follows:
  - a. ID WXVSB /WIND/WAVE/SEA/AIR/PRES REMARKS STATION NAME

Example:

9B5 CYR03 /NNE07/0605/54/64/BEAR ISLAND LS

This report is from Bear Island Light Station (9B5). The sky condition is cloudy (CY). The present weather is rain (R) with a visibility of three miles (03). The wind is north northeast (NNE) at seven knots (07). The sea has a height of six feet (06) and a period of five seconds (05). The sea water temperature is fifty-four degrees Fahrenheit (54) and the air temperature is sixty-four degrees fahrenheit (64). Pressure information is not available at this station and there are no remarks, but the final slash "/" must be included following the air temperature. Pressure would be reported after the final slash in the same format as noted on Form 72-5a, i.e., only four digits (1013 if millibars or 3014 if inches, for example). The last entry on each message will be the station name.

4. The spacing for each column will be:

ID	Station location identifier, four spaces. The last space in this column will always be blank.
WXVSB	Sky condition, present weather and visibility, eight spaces.
/WIND	Wind direction and speed, five spaces following the first slash.
/WAVE	Wave height and period, four spaces following the second slash.

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- /SEA                    Sea temperature, three spaces following the third slash.
- /AIR                    Air temperature, three spaces following the fourth slash.
- /PRES                  Entered after final slash, if available.
- REMARKS                Entered after final slash, if available.
- STATION NAME         Entered after all data entries.

Available data are entered in each column starting with the first space. Any blank spaces will follow after the data entry. Spaces are not required to separate information within the same column.

5. While individual stations or districts may be using different methods of delivering reports to the WS, the observations are generally collected from the various stations by the group commanders utilizing radio, teletype or telephone. They are then sent to the district communications center via teletype which consolidates the reports for transmission to the NWS office. The bulletin heading to be used on the report sent to the NWS should be in the following format:

SXUSS (ICAO Location Identifier of District) (Date-time Group)

There should be no "Z" following the date-time group. The bulletin heading is then followed by the Message Format Line and the consolidated station reports, as shown in this example from the First Coast Guard District.

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SUXSB KBOS 271200
ID WXVSB /WIND /WAVE/SEA/AIR/PRES REMARKS STATION NAME
9B5 CYR02 /NE08 /0105/82 /79 /3000 BEAR ISLAND LIGHT
OB9 PC07 /NE03 /CALM/ /74 /3014 GOAT ISLAND LIGHT
14B C10 /NW15 / / /76 /3017G20 DUCK ISLAND LS
21B CH05 / / / / /MT DESERT LS
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**INSTRUCTIONS ON SPECIAL WEATHER REPORTS**  
**IMPORTANT !!**  
**SEND A SPECIAL WEATHER REPORT**  
**BETWEEN SCHEDULED REPORTS IF:**

WIND\* (1) The wind speed doubles to 25 knots or higher,  
(2) Increases to 34 knots (gale force) or higher and gale warnings are not in effect, or  
(3) Increases to 47 knots or higher and storm warnings are not in effect.

VISIBILITY . . . . The prevailing visibility lowers to 1/2 mile or less from 2 miles or greater.

WAVES . . . . . If open water wave conditions, inlet or bar conditions become hazardous to boats.

PRESSURE . . . . . The Barometer falls 12/100ths inch of mercury or more over a 2 hour period.

\*NOTE: Winds refer to average winds speeds.

## INSTRUCTIONS FOR RADIO DISSEMINATION PROGRAM

1. Weather information supplied by the National Weather Service (NWS) shall be included in the Weather and Marine Information Broadcasts from Coast Guard stations on frequencies designated by the Commandant for this purpose. Warnings affecting small boats shall be given the widest dissemination and need not be confined to those stations designated to make regular broadcasts. The district commander is authorized to take such additional action as deemed necessary to ensure widest dissemination of information during severe weather conditions, particularly by designating additional broadcasts on VHF-FM, which has a limited range. Weather forecasts and advisories included in the broadcasts shall be limited to official information furnished by the Weather Service and shall identify the source (i.e., NWS) of the information.
2. Locally observed weather conditions, or conditions reported to the Coast Guard from external sources, which present a hazard to marine traffic should be broadcast at unscheduled times by a means commensurate with the area of the hazard. For example, the sighting of a water spout in coastal waters would necessitate a VHF-FM broadcast similar to this: "At 1800 local, a water spout was reported to the Coast Guard approximately 20 miles east of the New Smyrna Beach, Florida."
3. Stations authorized to initiate small craft visual warning displays based upon locally observed weather shall also make unscheduled radio transmissions by broadcasting alerts on 2182 KHz and 156.8 MHz (CH-16), and then shifting to 2670 KHz and 157.1 MHz (CH-22), at such times as they initiate small craft advisories. The transmission shall state that small craft displays are in effect for the local area based upon observed weather conditions. Wind and sea conditions observed shall be included in the transmission.
4. The Coast Guard and National Weather Service have agreed that all weather and warning messages originated by the NWS for further dissemination by the Coast Guard shall contain brief instructions as to the action desired. These instructions shall be incorporated in the heading by the originating NWS office. Arrangements for obtaining the weather information to be broadcast shall be made locally between the district commander and the cognizant NWS Region.
5. All information disseminated by radiotelephone, radiotelegraph, radioteletype, or facsimile shall be broadcast in accordance with the requirements of the Coast Guard Telecommunications Manual COMDTINST M2000.3A and additional local instructions promulgated by the district commander.
6. District commanders shall encourage an increased number of regularly scheduled broadcasts of marine weather by commercial broadcast stations wherever possible.

### INSTRUCTIONS FOR COASTAL WARNING DISPLAY PROGRAM

1. National Weather Service (NWS) Operations Manual Section 10.3, which is attached, describes National Weather Service policy on coastal warning display stations and delegation of authority to the Coast Guard, under certain specified conditions, to initiate small craft displays. The following additional information is furnished to amplify the NWS instructions:
  - a. Coastal warning signals shall be hoisted, changed, and taken in only upon receipt of NWS information from the district commander or the National Weather Service except at those units specifically authorized to initiate small craft displays. They shall be hoisted, changed and taken in promptly at the time indicated in the message. They are not to be taken in automatically at the end of a 24 hour period.
  - b. The time of receipt of coastal warning information and the time of displaying, changing, and taking in storm warnings shall be logged in the same manner as for aids to navigation.
  - c. Any interference with the unit's capability to display coastal warning signals shall be reported promptly to the monitoring NWS office and to the district commander.
  - d. Night coastal warning signals shall not be displayed by any Coast Guard vessel.
  - e. Units not specifically designated as display stations shall not display coastal warning signals.
2. When information is received by a district commander from the monitoring NWS office or from a designated coastal marine signal display station, either Coast Guard or civilian, that a station is established, moved, changed from day to both day and night, or vice versa, permanently or temporarily discontinued, resuming display after being inoperative, or changing its name, the district commander shall issue an appropriate local Notice to Mariners and take such other action as may be indicated.
3. The National Weather Service will furnish to each participating Coast Guard district commander with copy to COMDT (G-OIO), annually, a list of marine visual display stations. Upon receipt, each district commander will arrange for a list of stations within his district to be published in the local Notice to Mariners.
4. Questions regarding maintenance of display poles and lights, or for supplies for this program should be directed to the local NWS Regional office.

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Enclosure (5) to COMDTINST 3140.3D

NSW OPERATIONS MANUAL SECTION 10.3  
MARINE SERVICES FOR COASTAL, OFFSHORE, AND HIGH SEAS (D-51)

14. Coastal Warning Display (CWD) Program. Marine weather dissemination originated with the CWD program in the late 1800's. In recent years NWR (NOAA Weather Radio) has become the recommended dissemination mode, but CWD's still serve local needs at about 200 locations around the country. Although of limited range and informational value, the Coast Guard and organized boating groups strongly recommend their continuance. A high percentage of CWD's are operated by the Coast Guard or state and local government (State Parks, Harbor Masters, etc.).

14.1 Program Management. CWD sites are supervised by the WSFO's/WSO's and managed by Regional Headquarters under Marine and Applied Service Branch (W/OM12) cognizance. Any action affecting CWD sites shall be noted on WS Form B-53 Marine Warning Display Station Record by the Regional Headquarters.

14.2 Operation. The display person shall be requested to promptly raise and lower the signals upon notification by the NWS and encouraged to receive notification via NOAA Weather Radio. Telephone notification is the least reliable and should be considered only as a last resort.

Personnel at display sites shall be instructed to notify the supervising NWS office immediately when the CWD becomes inoperative. An appropriate Local Notice to Mariners (LNTM) shall be issued if displays cannot be resumed. A LNTM shall be filed for any changes in CWD operation including establishment, disestablishment, physical relocation, inoperative or restored to operation, change in day or night display status, etc. Local Notice to Mariners information shall be sent by the supervising NWS office to the U.S. Coast Guard District Commander for both publication and broadcast.

Examples: FOR LOCAL NOTICE TO MARINERS, COASTAL WARNING DISPLAY STATION FOR DAY DISPLAYS ONLY ALL YEAR CASINO PIER GULFPORT FLORIDA MOVED TO GULFPORT YACHT BASIN LATITUDE 27 DEGREES 44.0 MINUTES NORTH LONGITUDE 83 DEGREES 41.0 MINUTES WEST 17 APRIL 1985.

FOR LOCAL NOTICE TO MARINERS, COASTAL WARNING DISPLAY STATION FOR DAY AND NIGHT DISPLAYS AT CITY PARK, FORT MONROE, VA., BECAME INOPERATIVE 6 OCT 1985.

FOR LOCAL NOTICE TO MARINERS. COASTAL WARNING DISPLAY STATION FOR DAY DISPLAYS ONLY AT BR NECK, MD., DISCONTINUED 10 AUG 1985.

14.3 Authority of Coast Guard to Initiate Local Small Craft Advisories.  
In order to provide for a more prompt reaction to hazardous conditions that are observed, but not yet in the forecast, qualified Coast Guard personnel may hoist small craft pennants and/or activate lights when existing wind or wave conditions reach the criteria established for small craft advisories. This authority is subject to the following conditions:

- a. An NWS office must be immediately notified by telephone of the advisory and of the existing wind and wave conditions.
- b. Upon notification by the Coast Guard, the WSFO/WSO with warning responsibility shall promptly issue a Small Craft Advisory or Special Marine Warning and revise, as necessary, the existing forecasts to reflect these reported local conditions.

14.4 Annual List of Display Stations. A list of CWD's shall be updated annually by each region on or before April 1. Copies shall be distributed as follows:

- a. Marine and Applied Services Branch W/OM12.
- b. Appropriate Coast Guard District for publication in Local Notice to Mariners.
- c. COMDT (G-OIO) U.S. Coast Guard Headquarters,
- d. Washington, D.C. d. Nautical Data Unit N/CG2222 for nautical chart entry.
- e. Coast Pilot Section N/CG223 for referencing in Coast Pilot series. WSOM Issuance 86-4 6-1-86

WSOM ISSUANCE  
86-4 6-1-86



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DIST	ID	NAME	LAT	LONG	#-DAILY-OBS	OBS-SCHED
1	29B	Boston Lt.	4219N	7053W	5	note 8
1	45B	Brant Pt. Sta.	4117N	7005W	8	note 1
1	30B	Cape Cod Canal Sta.	4147N	7030W	8	note 1
1	67B	Castle Hill Sta.	4128N	7122W	8	note 1
1	31B	Chatham Sta.	4140N	6957W	8	note 1
1	34N	Eaton's Neck Sta.	4057n	7324W	8	note 1
1	45N	Fire Island Sta.	4031N	7326W	8	note 1
1	34B	Gloucester Sta.	4235N	7040W	5	note 8
1	OB9	Goat Island Lt. Sta.	4320N	7024W	5	note 5
1	26B	Isles of Shoals Lt. Sta.	4258N	7037W	8	note 1
1	N11	Long Island Sound GROUP	4116N	7254W	8	note 1
1	18B	Manana Island FSS	4346N	6920W	8	note 1
1	54N	Manasquan Inlet Sta.	4006N	7401W	8	note 1
1	32B	Menemsha Sta.	4121N	7046W	8	note 1
1	35B	Merrimac River Sta.	4249N	7052W	8	note 1
1	48N	Montauk Sta.	4101N	7558W	8	note 1
1	49N	Moriches Sta.	4047N	7245W	8	note 1
1	18N	New London Ledge Lt.	4118N	7205W	8	note 1
1	96B	Owls Head Lt. Sta.	4405N	6902W	5	note 5
1	PJI	Point Judith Sta.	4122N	7129W	3	note 1
1	2B8	Portland Head Lt. Sta.	4337N	7012W	5	note 5
1	25B	Portsmouth Harbor Sta.	4304N	7043W	8	note 1
1	36B	Provincetown Sta.	4204N	7010W	8	note 1
1	50N	Rockaway Sta.	4034N	7353W	8	note 1
1	56N	Sandy Hook Sta.	4028N	7401W	8	note 1
1	51N	Short Beach Sta.	4035N	7333W	8	note 1
1	24B	West Quoddy Head Lt. Sta.	4449N	6657W	5	note 5
5	55N	Atlantic City Sta.	3923N	7425W	8	note 1
5	78N	Barnegat Sta.	3946N	7406W	8	note 1
5	W51	Cape Charles Sta.	3713N	7600W	8	note 1
5	62W	Cape Henry Lt. Sta.	3656N	7600W	6	note 4
5	N91	Cape May GROUP	3857N	7453W	8	note 1
5	66W	Cove Point Lt. Sta.	3823N	7623W	6	note 4
5	W06	Crisfield Moorings CG	3759N	7552W	3	note 9
5	OW8	Eastern Shore GROUP	3751N	7525W	8	note 1
5	61N	Indian River Inlet Sta.	3837N	7504W	8	note 1
5	63W	Milford Haven Sta.	3729N	7619W	8	note 1
5	78W	Oak Island Sta.	3353N	7801W	8	note 1
5	W30	Ocean City Sta.	3820N	7505W	8	note 1
5	45W	Ocracoke Sta.	3507N	7559W	8	note 1
5	79W	Oregon Inlet Sta.	3546N	7531W	8	note 1
5	64W	Parramore Beach Sta.	3732N	7537W	8	note 1
5	67W	Stillpond Sta.	3920N	7606W	8	note 1
5	3W4	Swansboro Sta.	N	W	8	note 1
5	65W	Thomas Point Lt. Sta.	3854N	7626W	8	note 1
5	1W9	Wrightsville Beach Sta.	3411N	7749W	8	note 1
7	X91	Egmont Key Lt. Sta.	2736N	8246W	8	note 1
7	X89	Fort Myers Sta.	2627N	8157W	8	note 1
7	X82	Fort Pierce Sta.	2728N	8018W	8	note 1
7	X84	Islamorada Sta.	2754N	8035W	8	note 1
7	X81	Lake Worth Inlet Sta.	2646N	8003W	8	note 1
7	X88	Marathon Sta.	2443N	8107W	8	note 1
7	MJ1	St. Simons Sta.	3108N	8122W	8	note 1
7	IJ2	Tybee Sta.	3201N	8051W	8	note 1

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8		Destin Sta.	N	W	8	note 1
8	8R8	Freeport Sta.	2857N	9518W	8	note 1
8		Gulfport Sta.	N	W	8	note 1
8		New Canal Sta.	N	W	8	note 1, 16
8		Pascogoula Sta.	N	W	8	note 1
8	9R1	Port Aransas Sta.	2750N	9704W	8	note 1, 16
8	9R3	Port Isabel Sta.	2604N	9710W	8	note 1
8	8R9	Port O'Conner Sta.	2826N	9626W	8	note 1
9	6B3	Alexandria Bay Sta.	N	W	12	note 2
9	20G	Ashtabula Lt. Sta.	4155N	8048W	12	note 2
9	31G	Belle Isle Sta.	4220N	8258W	12	note 2
9	19G	Buffalo BASE	4253N	7853W	12	note 2
9	Y09	Charlevoix Sta.	N	W	12	note 2
9	30Y	Duluth Sta.	4646N	9205W	12	note 2
9	25G	Erie Sta.	4207N	8005W	12	note 2
9	14C	Frankfort Sta.	4438N	8615W	12	note 2
9	27Y	Grand Marais Sta.	N	W	12	note 2
9	16C	Kenosha Sta.	4235N	8745W	12	note 2
9	27G	Lorain Sta.	4128N	8211W	12	note 2
9	17C	Ludington Lt. Sta.	4357N	8628W	12	note 2
9	21G	Marblehead Lt. Sta.	4133N	8244W	12	note 2
9	34Y	Marquette Lt. Sta.	4633N	8723W	12	note 2
9	18C	Michigan City Sta.	4143N	8654W	12	note 2, 17
9	15C	Milwaukee BASE	4301N	8757W	12	note 2, 17
9	19C	Muskegon Lt. Sta.	4314N	8620W	12	note 2, 17
9	13G	Niagara Sta.	4316N	7904W	12	note 2
9	28G	Oswego Sta.	4328N	7631W	12	note 2
9	33G	Port Huron Sta.	4300N	8225W	12	note 2
9	32Y	Portage Sta.	4714N	8838W	12	note 2
9	26G	Rochester Lt. Sta.	4315N	7736W	12	note 2
9	30G	Saginaw River Sta.	4338N	8351W	12	note 2
9	44Y	Sault Ste. Marie ANT	4630N	8420W	12	note 2, 17
9	21C	Sheboygan Sta.	4345N	8742W	12	note 2, 17
9	41Y	St. Clair Shores Sta.	4228N	8226W	12	note 2
9	38Y	St. Ignace Sta.	4551N	8443W	12	note 2
9	20C	St. Joseph Sta.	4207N	8629W	12	note 2
9	OY2	Sturgeon Bay Sta.	N	W	12	note 2
9	39Y	Tawas Pt. Lt. Sta.	4415N	8326W	12	note 2, 17
9	24G	Toledo Sta.	4142N	8327W	12	note 2
9	C58	Two Rivers Sta.	N	W	12	note 2
11	91Q	Angel Island/Point Blunt	3751N	12225W	8	note 1
11	92Q	Bodega Bay Sta.	3319N	12303W	8	note 1
11	88Q	Humbolt Bay Sta.	4046N	12414W	8	note 1
11	67Q	Lake Tahoe Sta.	3911N	12007W	8	note 1
11	93Q	Pigeon Pt. Lt.	7311N	12224W	8	note 1
11	99Q	Port Chicago	3802N	12202W	8	note 1
11	94Q	Pt. Bonita Lt	3749N	12232W	8	note 1
11	87Q	Pt. Piedras Blancas	3540N	12117W	8	note 1
11	95Q	Pt. Pinos Lt.	3638N	12156W	8	note 1
11	98Q	Rio Vista Sta.	3809N	12142W	8	note 1
11	L82	Teriminal Island	3344N	11816W	8	note 1
13	91S	Alki Point Lt. Sta.	N	W	0	note 15
13	82S	Cape Disappointment Sta.	4617N	12403W	6	note 4
13	P47	Chetco River Sta.	N	W	6	note 3
13	83S	Coos Bay Sta	4321N	12420W	6	note 3
13	84S	Grays Harbor Sta	4655N	12406W	6	note 4
13	98S	Mukilteo Lt. Sta	4757N	12218W	6	note 4

11	8S7	Neah Bay Sta	N	W	6	note 4
11	99S	Point Robinson Lt. Sta	4723N	12222W	3	note10
11	NOW	Port Angeles Group	4808N	12324W	6	note 4
11	97S	Pt. No Point Lt. Sta	4755N	12232W	3	note10
11	87S	Quillayute River Sta	4754N	12438W	6	note 4
11	85S	Siuslaw River Sta	4400N	12407W	6	note 3
11	88S	Tillamook Bay Sta	4534N	12355W	5	note 7
11	90S	Umpqua River Sta	4341N	12410W	6	note 3
11	43S	West Point Lt. Sta	4740N	12226W	6	note 4
11	95S	Yaquina Bay Sta	4438N	12404W	6	note 3
11	1Z2	Upola Point LORSTA	2015N	15553W	3	note11
3	FIV	Five Finger Lt. Sta.	5716N	13337W	10	note12
3	KPC	Port Clarence LORSTA	6515N	16652W	7	note13
3	Z12	Tok LORSTA	N	W	5	note

Note # Abs Schedules (all times ZULU)

1 = 0000, 0300, 0600, 0900, 1200, 1500, 1800, 2100  
2 = 0000, 0200, 0400, 0600, 0800, 1000, 1200, 1400, 1600, 1800, 2000, 2200  
3 = 0000, 0300, 0600, 1500, 1800, 2100  
4 = 0000, 0300, 1200, 1500, 1800, 2100  
5 = 0000, 1200, 1500, 1500, 1800, 2100  
6 = 1200, 1400, 1600, 1800, 2000  
7 = 0000, 0300, 1500, 1800, 2100  
8 = 1200, 1500, 1800, 2100  
9 = 1500, 1800, 2100  
10 = 0000, 1800, 2100  
11 = 0000, 0600, 1800  
12 = 0000, 0500, 0800, 1100, 1400, 1500, 1700, 1900, 2000, 2300  
13 = 0000, 0200, 0400, 1600, 1800, 2000, 2200  
14 = 0600, 0900, 1200, 1500, 1800, 2000  
15 = ON CALL  
16 = NON-REPORTING  
17 = SEA WATER TEMP.  
18 = 0000, 0600, 0900, 1200, 1500, 1800, 2100