

This shoal, composed of grey sand and broken shells, appeared to be of small extent, having a least depth of 17 feet, with $3\frac{1}{2}$ to $5\frac{1}{2}$ fathoms close around, and 10 fathoms at a short distance. It is reported to be situated with Cape Keith bearing N. $\frac{1}{2}$ W., distant $14\frac{1}{2}$ miles.

Position, approximate, as given, lat. $11^{\circ} 51' S.$, long. $131^{\circ} 29' E.$

NOTE.—The survey of this locality being very incomplete, and the exact part of the slope of the hills at the back of Cape Keith, which would, at a distance of 14 miles, appear as the extremity, being unknown. The position given is very doubtful, and probably the shoal is further to the westward, or in lat. $11^{\circ} 51' S.$, long. $131^{\circ} 27' E.$, which has been accepted for the Admiralty Charts.

[The bearings are magnetic. Variation (1) $5\frac{1}{2}^{\circ}$, (2) $2\frac{1}{2}^{\circ}$, Easterly in 1888.]

By command of their Lordships,
W. J. L. Wharton, Hydrographer,
Hydrographic Office, Admiralty, London,
1st May, 1888.

This Notice affects the following Admiralty Charts:—Coral Sea, Sheet I, No. 2764 (1); Cape Flattery to Cape Sidmouth, No. 2352 (1); Australia, northern portion, No. 2759a (2); Eastern Archipelago, eastern portion, No. 942b (2); Gulf of Carpentaria to Cape Ford, No. 1044 (2); Melville Island with Dundas and Clarence Straits, No. 613 (2). Australia Directory, Vol. II, 1879, page 270; Revised Supplement, 1887, to Australia Directory, Vol. II, page 74; and Australia Directory, Vol. III, 1881, page 97.

NOTICE TO MARINERS.

(No. 117 of the year 1888.)

UNITED STATES—EAST COAST.—WEST

PENOBSCOT BAY.

(1.) *Fox Island Thoroughfare—Intended Bell Buoy, and withdrawal of Automatic Signal Buoy.*

THE United States Government has given notice, that on or about 20th May, 1888, a bell buoy will be placed in the western entrance of Fox Island Thoroughfare, eastern side of West Penobscot Bay:—

This buoy will be a bell buoy, painted red and black, in horizontal stripes; moored in 15 fathoms, 2 cables W. by S. $\frac{1}{2}$ S. from the automatic signal buoy now moored at the western entrance to Fox Island Thoroughfare. From the bell buoy, Brown Head Lighthouse will bear E. by N. $\frac{1}{2}$ N., distant $2\frac{1}{2}$ miles, and Green Ledge S.E. by S.

Position, lat. $44^{\circ} 5' 20'' N.$, long. $68^{\circ} 57' 30'' W.$

Also, that on the same date on which the above bell buoy is placed, the automatic signal buoy, now moored in the western entrance to Fox Island Thoroughfare, will be withdrawn.

KENNEBEC RIVER APPROACH.

(2.) *Intended Bell Buoy on Pond Island Bar.*

Also, has given notice, that on the same date, a bell buoy will be placed on Pond Island Bar, southward of the entrance to Kennebec River:—

This buoy will be a bell buoy, painted black, moored in 4 fathoms, with Pond Island Lighthouse bearing N. $\frac{1}{2}$ W., distant half a mile, and Whalesback, N.E. $\frac{1}{2}$ E.

Position, lat. $43^{\circ} 43' 55'' N.$, long. $69^{\circ} 46' W.$

NOTE.—This buoy will be withdrawn at the close of navigation in winter, and replaced by a second class can buoy; it should be left on the port hand when entering the river.

CHESAPEAKE BAY.

(3.) *Turkey Point Lighthouse—Fog Signal established.*

Also, has given notice, that on 15th April, 1888,

a fog signal would be established at Turkey Point Lighthouse, head of Chesapeake Bay:—

The signal is a bell, which during thick or foggy weather, will be struck by machinery once every ten seconds.

Position, lat. $39^{\circ} 27' N.$, long. $76^{\circ} 0' W.$

POTOMAC RIVER.

(4.) *Sector of Red Light Established at Lower Cedar Point Lighthouse.*

Also, has given notice, that on 15th April, 1888, a sector of red light would be exhibited from Lower Cedar Point lighthouse, western side of Channel, Potomac River:—

The sector is fixed red of 60° in extent, or between the bearings of N.N.W. $\frac{5}{8}$ W. and West, and covering Kettle Bottom Shoals.

Position, lat. $38^{\circ} 20' 25'' N.$, long. $76^{\circ} 59' 30'' W.$

(5.) *Sectors of Red Light Established at Upper Cedar Point Lighthouse.*

Also, that on 15th April, 1888, the following sectors of red light would be exhibited from Upper Cedar Point Lighthouse, northern side of Channel, Potomac River:—

The light shows white over an arc of 142° , or between the bearings of W. by S., through north, and N.E. $\frac{3}{8}$ N.; red, over an arc of $22\frac{1}{2}^{\circ}$, or between the bearings of N.E. $\frac{3}{8}$ N., and N.E. by E. $\frac{5}{8}$ E.; this sector covering the shoals to the south-westward, off the right bank of the river; white, over an arc of $164\frac{1}{2}^{\circ}$, or between the bearings of N.E. by E. $\frac{3}{8}$ E., through south, and S.W. $\frac{1}{4}$ W.; and red over an arc of 31° , or between the bearings of S.W. $\frac{1}{4}$ W. and W. by S., the southern edge of this sector marking the northern edge of the channel northward and westward of Mathias Point Lighthouse.

Position, lat. $38^{\circ} 24' N.$, long. $77^{\circ} 5' W.$

[The bearings are magnetic, and are given from seaward. Variation (1) $15\frac{1}{4}^{\circ}$, (2) $14\frac{1}{2}^{\circ}$, (4, 5) 3° Westerly in 1888.]

By command of their Lordships,
W. J. L. Wharton, Hydrographer,
Hydrographic Office, Admiralty, London,
1st May, 1888.

This Notice affects the following Admiralty Charts:—Penobscot Bays, No. 620 (1); Little Spoon Island to Pemaquid Point, including entrance to Penobscot Bay, No. 612 (1); Pemaquid Point to Fletchers Neck, No. 2490 (2); Great Egg Harbour to Albemarle Sound, including Delaware and Chesapeake Bays, No. 266 (3, 4, 5); Chesapeake Bay, upper part, No. 355b (3, 4, 5); Potomac River, No. 2857 (4, 5). Also, Admiralty List of Lights on the eastern coasts of North America, 1888, Nos. 818, 823, 825; and principal ports on the east coast of the United States, 1882, pages 21, 22, 171, 179.

NOTICE TO MARINERS.

(No. 118 of the year 1888.)

RED SEA.—STRAITS OF BAB-EL-MANDEB.

Perim Island—Proposed Fixed Light on Balfe Point.

INFORMATION has been received, that it is proposed by the Perim Coal Company to exhibit a light from a lighthouse on Balfe Point, west extreme of Perim Island:—

The light will be a fixed light, visible over an arc of 211° , or between the bearings of S. $16^{\circ} W.$, through east, and N. $15^{\circ} W.$, and should be seen in clear weather from a distance of five miles.

The lighthouse will be 20 feet high.

Position, lat. $12^{\circ} 39' 5'' N.$, long. $43^{\circ} 23' E.$