

# NOAA Nautical Charting Calendar

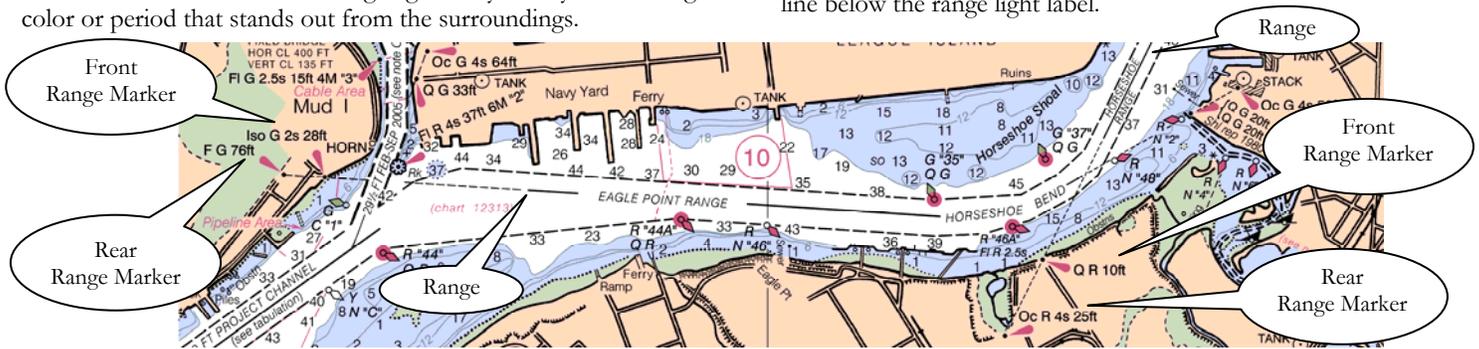
## Ranges

A range consists of two beacons; one called the front range marker which is lower in height than the other, called the rear range marker. Ranges display rectangular dayboards of various colors and are generally, but not always, lighted. The rear marker is usually some distance from the front marker. Often the front range marker is on a fixed structure in the water, and the rear range marker is on land.

Ranges provide an accurate, easily obtained line of position. If the two marks are exactly in line, the vessel is exactly on the range line. If the lower marker is to the left (or right), the vessel must alter course to the left (or right) to rejoin the range. The angle between the range markers seen by a vessel increases with decreasing distance. Thus the sensitivity to side-to-side excursions increases as the vessel draws closer to the markers. Range lights may be any standard light color or period that stands out from the surroundings.

Only ranges published in the Light List are charted. Depiction consists of a line, beacon symbols, and associated labels. The usable portion of ranges is charted as a solid line to the point where the vessel should leave the range. The range is then continued with a short-dashed line to the rear marker. The range label shows the name of the range and its bearing (in degrees true along the range in the direction of the front marker) if these are published in the Light List and are considered useful to mariners.

Range lights are separately charted and labeled. Most range lights show a high-intensity beam within a narrow arc of visibility marking the channel centerline, and are obscured around the remainder of the horizon. A passing light may be placed on the front light to alert mariners of the structure when approaching the light from its dark side at night. The passing light characteristic is charted on a separate line below the range light label.





## May 2007



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Prepared by the Office of Coast Survey, National Ocean Service, NOAA, <a href="http://www.NauticalCharts.NOAA.gov">www.NauticalCharts.NOAA.gov</a> , 1-301-713-2770		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	Note: You can add your own information to the Charting Calendar using the Tools -> Commenting, and Tools -> Drawing Markup features of Adobe Reader 7.0.	