



MIAMI BEACH

LETTER TO COMMISSION

257-2012

TO: Mayor Matti Herrera Bower and Members of the City Commission

FROM: Kathie G. Brooks, Interim City Manager

DATE: October 9, 2012

SUBJECT: Anticipated High Tides

The purpose of this LTC is to advise you on the potential localized temporary flooding that might occur from October 13th through October 19th as a result of seasonal high tides.

BACKGROUND

Beginning next Monday, the 15th, the City is expecting tides that are above normal. As you know the City of Miami Beach is located on a barrier island and is vulnerable to the impacts of these high tides. Low lying areas that are especially prone to tidal flooding are Purdy Avenue, between Dade Boulevard and 20th Street, the west side of Palm Island, Alton Road and West Avenue, particularly at 5th Street, 6th Street, 10th Street, and 14th Street.

The high tides are expected to be a little less severe as those that the City experienced in October 2010 which averaged around 3.5 ft. and peaked at 3.7 ft. (please see Attachment).

It is likely that the City will experience some short term flooding in its low lying areas. At this time, staff does not anticipate any driving lanes needing to be closed unless there is significant rainfall during the peak tide timeframes. However, we do anticipate lanes being closed if high tides flood parking lanes. We will be monitoring rainfall forecast and prepare accordingly.

In the coming days the Public Works - Operations has checked all the installed tidal flexible check valves to verify that they are operating correctly and during the periods of high tides, our storm water crews will be on standby. Further, staff will contact FDOT to have them ready to respond to State Roads that can be affected.

We will be closely monitoring the situation and will keep you advised of any changes.

Attachment:

NOAA Tide Predictions October 13th to October 19th Miami Harbor-Entrance

Attachment

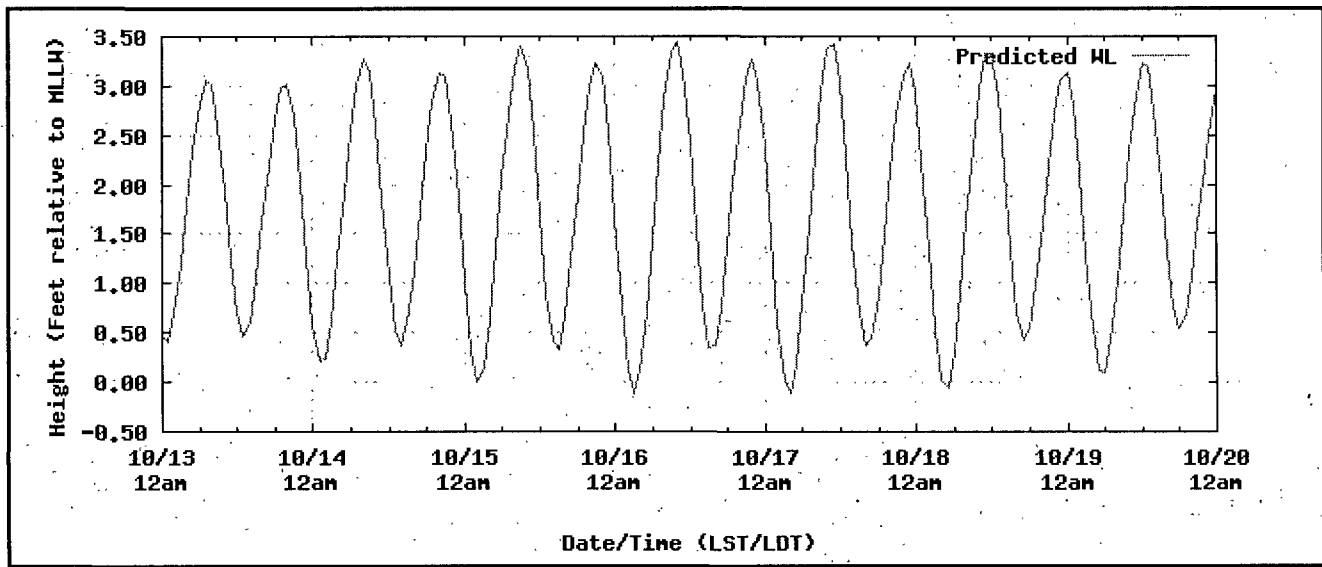
KGB/JGG/FHB/JJF/RWS

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2012 OCT 11 AM 11:15
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NOAA/NOS/CO-OPS
Weekly Tide Prediction for GOVERNMENT CUT, MIAMI HARBOR ENTRANCE,FL
StationId 8723178
From: 2012/10/13 - 2012/10/19
Units: Feet Time Zone: LST/LDT Datum: MLLW



Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tide tables..

High/Low Tide Predictions

Station Name: GOVERNMENT CUT, MIAMI HARBOR ENTRANCE,FL
 Parameter: Weekly
 Product: Tide Prediction
 Start Date & Time: 2012/10/13 12:00AM
 End Date & Time: 2012/10/19 11:59PM

Source: NOAA/NOS/CO-OPS
 Prediction Type: Harmonic
 Datum: MLLW
 Height Units: Feet
 Time Zone: LST/LDT

Date	Day	Time	Hgt	Time	Hgt	Time	Hgt	Time	Hgt
2012/10/13	Sat	12:40 AM	-0.39 L	07:21 AM	3.08 H	01:06 PM	0.47 L	07:38 PM	3.05 H
2012/10/14	Sun	01:26 AM	-0.18 L	08:11 AM	3.26 H	01:53 PM	0.37 L	08:24 PM	3.16 H
2012/10/15	Mon	02:12 AM	0.0 L	09:00 AM	3.4 H	02:40 PM	0.31 L	09:11 PM	3.23 H
2012/10/16	Tue	02:59 AM	-0.11 L	09:49 AM	3.46 H	03:28 PM	0.3 L	10:00 PM	3.26 H
2012/10/17	Wed	03:48 AM	-0.13 L	10:39 AM	3.45 H	04:18 PM	0.34 L	10:50 PM	3.23 H
2012/10/18	Thu	04:39 AM	-0.08 L	11:31 AM	3.38 H	05:11 PM	0.43 L	11:42 PM	3.15 H
2012/10/19	Fri	05:34 AM	0.05 L	12:25 PM	3.26 H	06:07 PM	0.54 L		