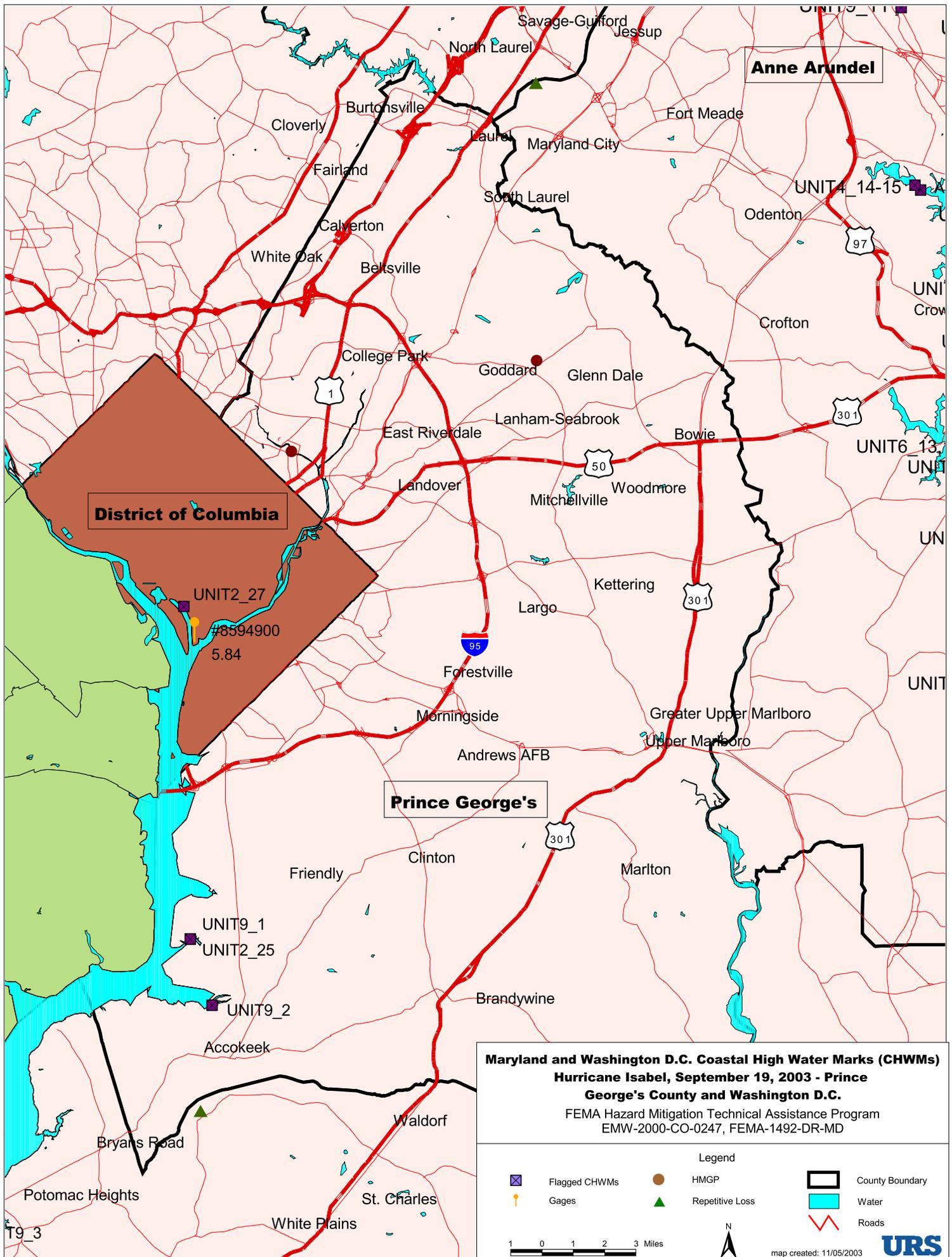


Appendices

Appendix I: Survey Sheets from Prince George's County



District of Columbia

Anne Arundel

Prince George's

UNIT2_27
 #8594900
 5.84

UNIT9_1
 UNIT2_25
 UNIT9_2

UNIT4_14-15

UNIT6_13

UNIT

UNIT

T9_3



PROJECT FEMA-1492-DR-MD High Water Mark Survey Project
COMM. NO. 245208
TYPE High Water Mark Survey **PREL.** 10/05/2003 **FINAL** 11/20/2003 **SHEET** I- 1
CONTENTS Individual Historical High Water Mark Survey Report

Historical Mark: UNIT2_25 **Mark Type:** Coastal
Flood Event: Hurricane Isabel **Date of Flood:** 09/19/2003
Flooding Source: Potomac River **Quality of Mark:** Good
Flood Elevation: **3.8 FT** **Location:** Debris line
Flooding Type: Surge
Mark Address: 900 Swans Creek Road
Description of Mark: ~60 feet from present water body limit, there is a debris line that shows the maximum extent of flooding caused by the storm.

Type of Line: Debris line
Description of Physical Structure: N/A
Closest City: Tantallon **County:** Prince George's **State:** Maryland

Flaggers: Bagha **Company/Agency:** Dewberry
Flagging Date: 9/27/2003

Surveyors: Cumberledge, Booth **Company/Agency:** Greenhorne & O'Mara, Inc.
Survey Date: 10/15/2003 **Survey Type:** N/A
Projection: Maryland **Vertical Datum:** NAVD 88 **Horizontal Datum:** NAD 83
Latitude: 38.7243 **Easting:** 1,306,627
Longitude: -77.0202 **Northing:** 383,609

Approx. First Floor Elevation (Based on Measurement from Mark): N/A

Approx. Distance to Shoreline: 100 FT

Comments:
 Debris line may have been affected by weather or cleanup action, resulting in lower than average elevation.



DSCN0012.jpg

Survey Certification: Coastal High Water Mark location survey is certified to 0.25 feet vertically and 10 feet horizontally with a 95% accuracy level.



PROJECT FEMA-1492-DR-MD High Water Mark Survey Project
COMM. NO. 245208
TYPE High Water Mark Survey **PREL.** 10/05/2003 **FINAL** 11/20/2003 **SHEET** I- 2
CONTENTS Individual Historical High Water Mark Survey Report

Historical Mark: UNIT9_1 **Mark Type:** Coastal
Flood Event: Hurricane Isabel **Date of Flood:** 09/19/2003
Flooding Source: Swan Creek **Quality of Mark:** Poor
Flood Elevation: **3.8 FT** **Location:** concrete abutment/bulkhead
Flooding Type: Surge
Mark Address: 900 Swan Creek Road (Tantallon Marina)
Description of Mark: 3.75" below top of concrete cap on bulkhead

Type of Line: Debris line

Description of Physical Structure: concrete bulkhead

Closest City: Fort Washington **County:** Prince George's **State:** Maryland

Flaggers: Ryan Carroll **Company/Agency:** Dewberry

Flagging Date: 10/6/2003

Surveyors: Cumberledge, Booth **Company/Agency:** Greenhorne & O'Mara, Inc.

Survey Date: 10/15/2003 **Survey Type:** N/A

Projection: Maryland **Vertical Datum:** NAVD 88 **Horizontal Datum:** NAD 83

Latitude: 38.7243 **Easting:** 1,306,627

Longitude: -77.0202 **Northing:** 383,609

Approx. First Floor Elevation (Based on Measurement from Mark): N/A

Approx. Distance to Shoreline: 10 FT

Comments:

HWM is Red line painted on side of bulkhead. Red X is painted on top of bulkhead to identify location. Time: 12:45 p.m. Weather: Clear. Debris line may have been affected by weather or cleanup action, resulting in lower than average elevation.



DSCN0065.jpg

Survey Certification: Coastal High Water Mark location survey is certified to 0.25 feet vertically and 10 feet horizontally with a 95% accuracy level.



PROJECT FEMA-1492-DR-MD High Water Mark Survey Project

COMM. NO. 245208

TYPE High Water Mark Survey **PREL.** 10/05/2003 **FINAL** 11/20/2003 **SHEET** I- 3

CONTENTS Individual Historical High Water Mark Survey Report

Historical Mark: UNIT9_2 **Mark Type:** Coastal

Flood Event: Hurricane Isabel **Date of Flood:** 09/19/2003

Flooding Source: Piscataway Creek **Quality of Mark:** Poor

Flood Elevation: **4 FT** **Location:** ground

Flooding Type: Surge

Mark Address: Intersection of Father White Drive and Leonard Calvert Drive (Calvert Manor Park)

Description of Mark: measuring along the concrete boat ramp, HWM is 6' landward of rusty pole in ground.

Type of Line: Debris line

Description of Physical Structure: concrete bulk ramp

Closest City: **County:** Prince George's **State:** Maryland

Flaggers: Ryan Carroll **Company/Agency:** Dewberry

Flagging Date: 10/6/2003

Surveyors: Weaver, Payabyab **Company/Agency:** Greenhome & O'Mara, Inc.

Survey Date: 10/31/2003 **Survey Type:** N/A

Projection: Maryland **Vertical Datum:** NAVD 88 **Horizontal Datum:** NAD 83

Latitude: 38.6938 **Easting:** 1,312,333

Longitude: -77.0073 **Northing:** 372,683

Approx. First Floor Elevation (Based on Measurement from Mark): N/A

Approx. Distance to Shoreline: 50 FT

Comments:

HWM was approx 45' landward of water level at 2:00 p.m. Debris line may have been affected by weather or cleanup action, resulting in lower than average elevation.



DSCN0067.jpg

Survey Certification: Coastal High Water Mark location survey is certified to 0.25 feet vertically and 10 feet horizontally with a 95% accuracy level.



PROJECT FEMA-1492-DR-MD High Water Mark Survey Project
COMM. NO. 245208
TYPE High Water Mark Survey **PREL.** 10/05/2003 **FINAL** 11/20/2003 **SHEET** I- 4
CONTENTS Individual Historical High Water Mark Survey Report

Historical Mark: UNIT9_4 **Mark Type:** Coastal
Flood Event: Hurricane Isabel **Date of Flood:** 09/19/2003
Flooding Source: Patuxent River **Quality of Mark:** Poor
Flood Elevation: **5.2 FT** **Location:** metal sign post
Flooding Type: Surge
Mark Address: 18601 Trueman Point Rd
Description of Mark: 9.5" above ground, measured on metal sign post

Type of Line: Debris line
Description of Physical Structure: metal fence post
Closest City: Eagle Harbor **County:** Prince George's **State:** Maryland

Flaggers: Ryan Carroll **Company/Agency:** Dewberry
Flagging Date: 10/6/2003

Surveyors: Weaver, Payabyab **Company/Agency:** Greenhome & O'Mara, Inc.
Survey Date: 10/31/2003 **Survey Type:** N/A

Projection: Maryland **Vertical Datum:** NAVD 88 **Horizontal Datum:** NAD 83
Latitude: 38.5702 **Easting:** 1,403,824
Longitude: -76.6838 **Northing:** 329,141

Approx. First Floor Elevation (Based on Measurement from Mark): N/A

Approx. Distance to Shoreline: 140 FT

Comments:

open fetch of approx 1 mile across the Patuxent River to the southeast created some wave action as indicated by the



DSCN0072.jpg

Survey Certification: Coastal High Water Mark location survey is certified to 0.25 feet vertically and 10 feet horizontally with a 95% accuracy level.