LEGEND

- Road Centerline
- Norfolk City Limit
- Approximate Tidal Flooding Extent (Does not include precipitation.)

  Peak tidal water level of 6.08 feet (Re. NAVD88) during the 2009 November Nor'easter was recorded approximately at 23:18 (GMT) on November 12, 2009 by NOAA tide gauge station No. 8638610 at Sewells Point. This blue-shaded flood extent shows the approximate flooding that would be expected to occur due to tidal flooding. Actual flooding during the storm was likely more extensive than shown on this map due to rainfall and the combined effects of rain and a high tide storm.
- Flood Analysis Does Not Include This Area

Notes:

1. Ground surface elevation used to estimate flooding extent is based on 2009 light detection and ranging (LIDAR) survey.
2. Inland flooded areas (areas not adjacent to tidal tributary) shown are hydrologically connected to a tidal tributary, and potentially may have caused flooding due to backflow. However, elevations of storm water inlets and outlets that would provide insight regarding to backflow potential were not verified during this study.
3. Approximate flooding extents are based on tidal water level relationships between the Sewells Point tide gauge and the City's tide gauge network from data collected during 2009 and 2010.

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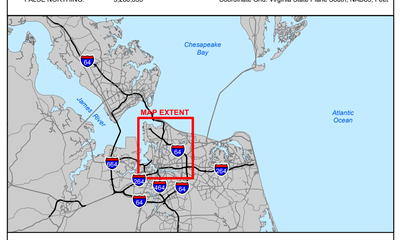
GEODETIC INFORMATION

SPHEROID:	GRS 1980
SEMI-MAJOR AXIS:	6,378,137.000
SEMI-MINOR AXIS:	6,356,752.314
INVERSE FLATTENING:	298.25722101
ECCENTRICITY^2:	0.006694380
PROJECTION:	LAMBERT CONFORMAL CONIC
ZONE:	VIRGINIA SOUTH
LONGITUDE OF ORIGIN:	36.3°
FALSE EASTING:	11,482,916
FALSE NORTHING:	3,280,833

Coordinate Grid: Virginia State Plane South, NAD83, Feet



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APPROXIMATE 2009 NOR'EASTER TIDAL FLOODING EXTENT - NOVEMBER 2009 (Precipitation Effects Not Included)

City-wide Coastal Flooding Study
Norfolk, Virginia

0 2,000 4,000 Feet
0 500 1,000 Meters

NO:	DATE:	DESCRIPTION:	DRAWN:	CHKD:	APPR:
1	April 2012	Draft Review	KWS	KRS	KRS
2	May 2012	Draft Review- Revision 1	KCS	KWS	KRS
3					

JOB NUMBER: 04.81110022 MAP NO.: 2