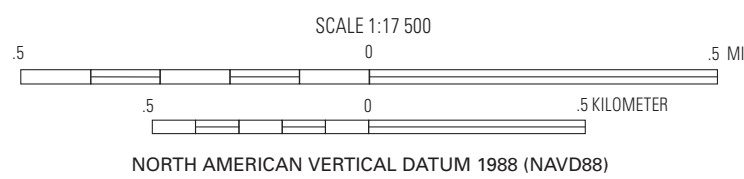




UNCERTAINTIES AND LIMITATIONS REGARDING USE OF FLOOD-INUNDATION MAPS

The flood boundaries shown were estimated based on gage heights at USGS streamgages 01014000 and 01013500 on the St. John and Fish Rivers in Fort Kent, Maine. Water-surface elevations along the St. John River from 1,000 ft upstream from the International Bridge to 5,000 ft downstream from the International Bridge and the Fish River from Mills Road to its confluence with the St. John River, were estimated by steady-state hydraulic modeling, assuming unobstructed flow, and using discharges and hydrologic conditions anticipated at those streamgages. The hydraulic model reflects the land-cover characteristics and any bridge, dam, levee, or other hydraulic structures existing in August, 2010. Unique meteorological factors (timing and distribution of storm) during a flood may cause actual discharges to vary from those modeled and lead to deviations in the water-surface elevations and inundation boundaries shown here. Additional areas may be flooded due to unanticipated backwater from major tributaries along the main stem or from localized debris- or ice-jams. The flood inundation boundaries depicted on this map are based on a digital elevation model. Inundated areas shown should not be used for navigation, regulatory, permitting, or other legal purposes. Although USGS intends to make these data available 24 hours a day, seven days a week, delivery of data and products through the Internet is not guaranteed. The USGS provides these maps as a quick reference, emergency planning tool but assumes no legal liability or responsibility for any direct, indirect, incidental, consequential, special or exemplary damages or lost profit resulting from the use or misuse of this information.

If this series of flood inundation maps will be used in conjunction with National Weather Service (NWS) river forecasts, the user should be aware of additional uncertainties which may be inherent or factored into NWS forecast procedures. The NWS uses river forecast models to estimate the quantity and timing of water flowing through selected river reaches in the United States. These forecast models (1) estimate the amount of runoff generated by a precipitation event, (2) compute how the water will move downstream, and (3) predict the water-surface elevation and streamflow for the river at a given location (AHPS forecast point) throughout the forecast period (every six hours over 3 to 5 days). For more information on AHPS forecasts, please see: http://water.weather.gov/ahps/pcpn_and_river_forecasting.pdf



Flood-Inundation Map for Fort Kent, Maine
Corresponding to a Gage Height of 22.6 Feet at U.S. Geological Survey
Streamgage 01014000 on the St. John River and a Gage Height of 10.3 Feet
at U.S. Geological Survey Streamgage 01013500 on the Fish River

Pamela J. Lombard
2011

Projection: Transverse Mercator
North American Datum of 1983 (NAD83)
Orthography from Global Relief Technologies, 2008
National boundary from U.S. Geological Survey National Map
available at <http://viewer.nationalmap.gov/viewer>.
Position of boundary on this map is approximate and
for informational purposes only.

Suggested citation:
Lombard, P.J., 2011, Flood-inundation maps for the St. John and Fish Rivers in
Fort Kent, Maine: U.S. Geological Survey Scientific Investigations Map 3157,
8 p., pamphlet, 29 sheets, scale 1:17,500.

Publishing support provided by:
Denver Publishing Service Center
Manuscript approved for publication March 30, 2011

For more information concerning
this publication, contact:
Director, Maine Water Science Center
U.S. Geological Survey
136 Whitten Road
Augusta, ME 04330
(207)622-8201

Or visit the Maine Water Science Center Web site at:
<http://me.water.usgs.gov/>

This report is available at: <http://pubs.usgs.gov/sim/3157/>.

Any use of trade, product, or firm names is
for descriptive purposes only and does not
imply endorsement by the U.S. Government.

This and other USGS information products are available at:
<http://store.usgs.gov/>
U.S. Geological Survey, Box 25286
Denver Federal Center, Denver, CO 80225

To learn about the USGS and its information products visit
<http://www.usgs.gov/>
1-888-ASK-USGS