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# Flooding in New Brunswick

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- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0<sup>s</sup> value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- <sup>P</sup> preliminary
- <sup>r</sup> revised
- X suppressed to meet the confidentiality requirements of the *Statistics Act*
- <sup>E</sup> use with caution
- F too unreliable to be published
- \* significantly different from reference category ( $p < 0.05$ )

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In early May 2008, rains coupled with melting snow caused the Saint John River in New Brunswick to overflow its banks. This flooding occurred mainly in the Oromocto region of the province located south-east of Fredericton. Roads were closed and agricultural land was inundated by the flood waters.

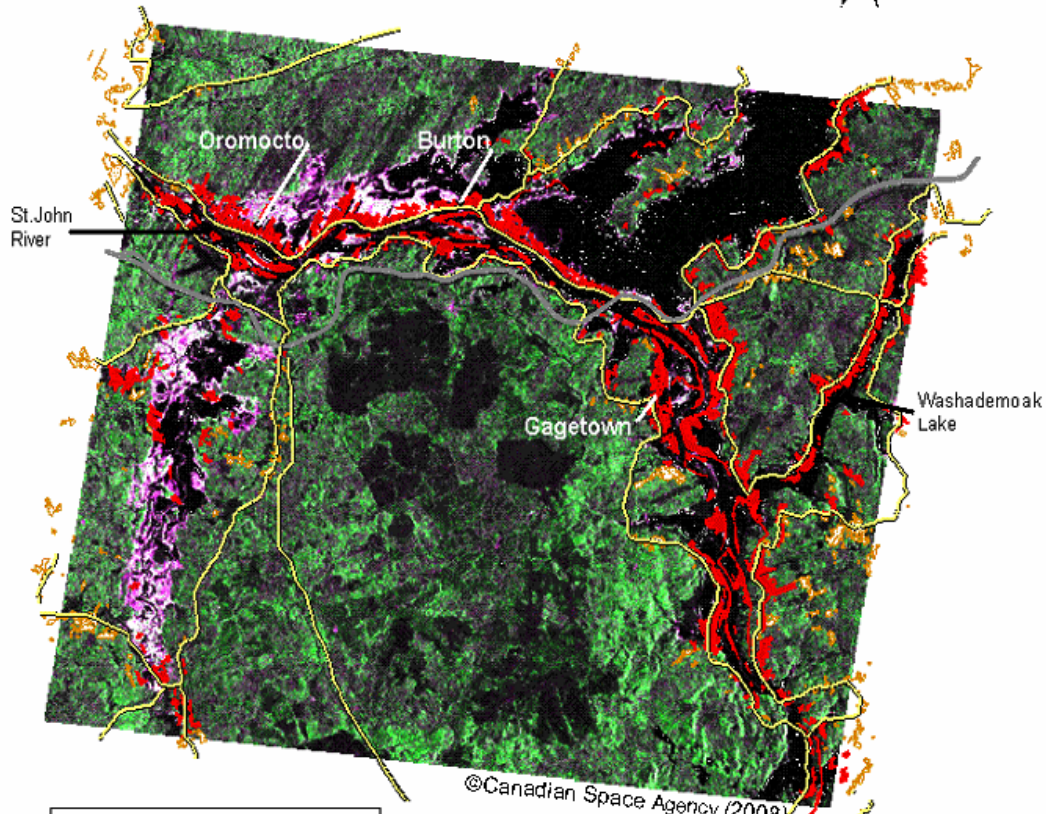
Using a RADARSAT-2 satellite image, acquired on May 4, 2008, Remote Sensing & Geospatial Analysis (RSGA), Agriculture Division estimated the area of agricultural land which was submerged by the flood.

RADARSAT-2 is a Canadian earth observation radar satellite built by MacDonald Dettwiler and Associates Ltd. (MDA). RADARSAT-2 was launched in mid December 2007. Radar satellites have the capability of acquiring images during the night or day and also during all types of weather.

RSGA is also conducting a research study during the spring and summer 2008, to evaluate RADARSAT-2 for crop identification and agriculture monitoring purposes in Prince Edward Island.

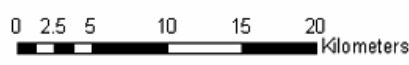
RADARSAT-2 Satellite Image of Flooding in New Brunswick

# New Brunswick flood RADARSAT-2 May 4, 2008



**Legend**

-  Highways
-  Expressways
-  Flooded agricultural land  
(8 500 hectares)
-  Agricultural land
-  Zone of flooded  
vegetation
-  Flood zone  
(rivers, lakes, etc.)



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Poster prepared by Remote Sensing and Geospatial Analysis (RSGA), Agriculture Division Statistics Canada



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