

Québec flooding

Sentinel-1 CSAR IW acquired on **06 April 2017** at 22:52:05 UTC

Sentinel-1 CSAR IW acquired on **12 May 2017** at 22:52:07 UTC

Sentinel-2 MSI acquired on **16 May 2017** at 15:49:11 UTC

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[2D Layerstack](#)

Fig. 1 - Sentinel 2A - Sediment plume along Ottawa River, Gatineau - 4,3,2 Natural colour composite.

[2D view](#)



Fig. 2 - Sentinel 2A - Resuspended sediments in the Ottawa River, Montréal- 4,3,2 Natural colour composite.

[2D view](#)



[The New-York Times](#) wrote "Flooding across Quebec inundated Montreal and surrounding areas in April and May 2017. The flooding in Montreal, which is centered on a group of islands at the confluence of the Saint Lawrence and Ottawa Rivers, began when waters breached dikes in the northern part of the city. The authorities declared a state of emergency in Montreal and other affected areas."

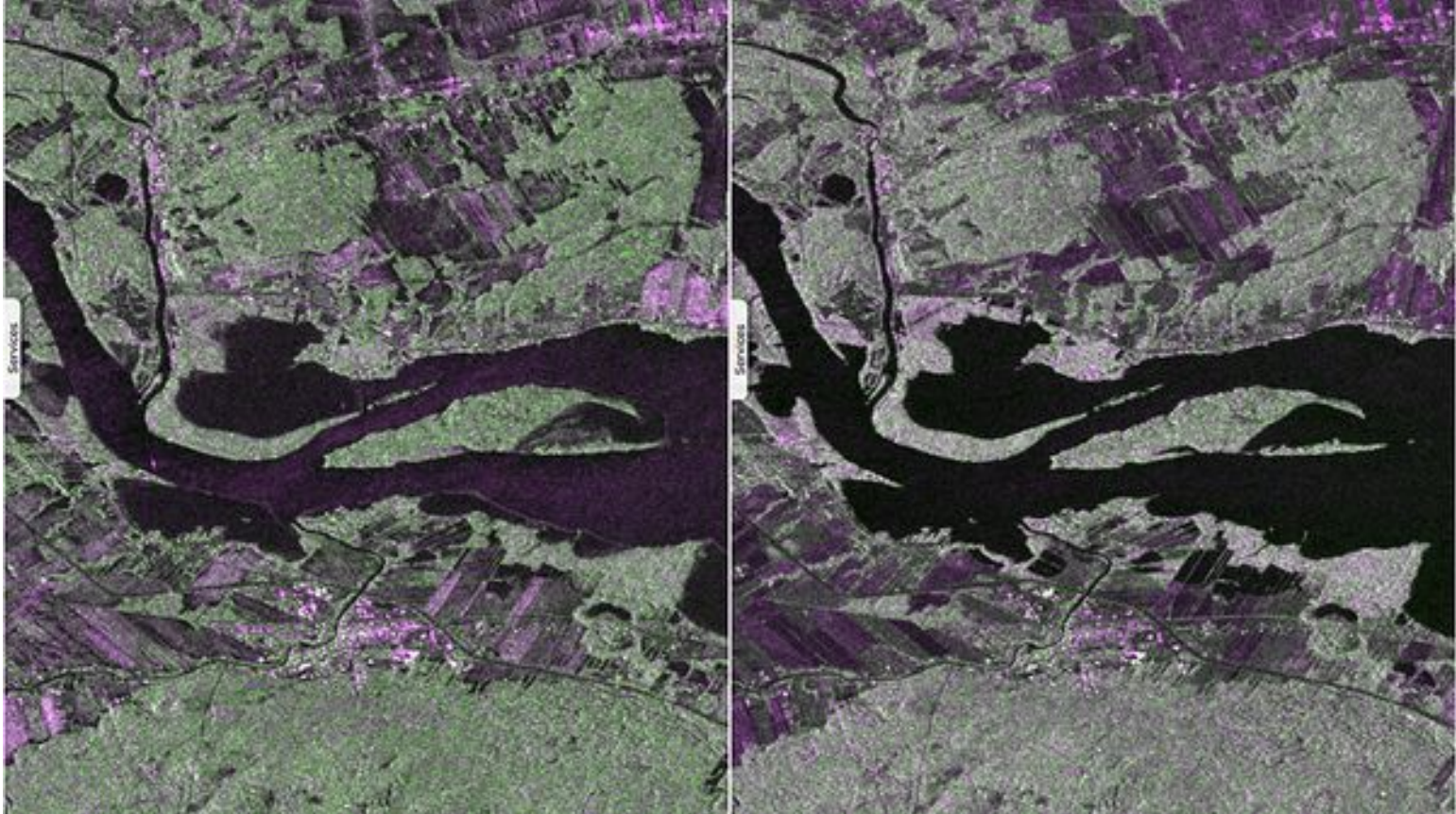
Fig. 3 - Sentinel 2A - Sediment plume flowing into the Ottawa river -4,3,2 Natural colour composite.

[2D view](#)



Fig. 4 - Sentinel 1A - Rising waters breached dykes on the southern bank in Rigaud - VV-VH-VV colour composite.

[2D view](#) [2D animation](#)



According to the [The Canadian edition of the Huffington Post](#), "The Quebec town of Rigaud was under a state of emergency with about 340 homes affected by flooding due to rising water levels of the Ottawa River. Coiteux visited the flooded area, located just west of Montreal near the Ontario border, and said it's the worst flooding in the region since 1998."

Fig. 5 - Man rowing "along a flooded street in the town of Rigaud, Québec, west of Montreal, on May 8, 2017", published by [Theglobeandmail](#).



[Theglobeandmail](#) added "Quebec's deluge has been caused by a combination of melting snow and much heavier than average spring rainfall in April and May. The inundation has affected 146 Quebec communities and created more than 3,600 evacuees."

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