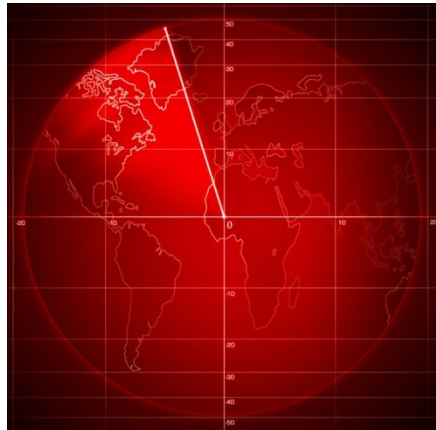




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All-Hazards Emergency Management Mapping at the GOC

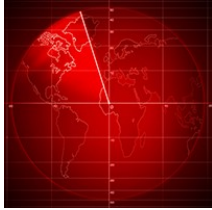
DATE: November 13, 2019
RDIMS No.: 1761980



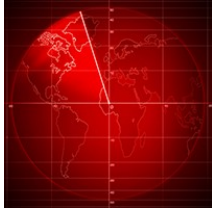
Government
of Canada

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du Canada

Canada



- Us** • Role of the GOC and GOC Geomatics
- Them** • Our partners in emergency management mapping
- What** • Our products
- How** • Our sharing mechanisms
- Next** • Future developments

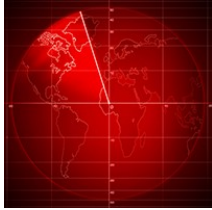


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Role

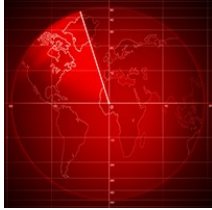
The Government Operations Centre (GOC) provides an all-hazards integrated federal emergency response to events (potential or actual hazards, natural or human-induced, either accidental or intentional) of national interest. It provides 24/7 monitoring and reporting, national-level situational awareness, warning products and integrated risk assessments, as well as national-level planning and whole-of-government response management.



Role

To enhance the GOC capabilities in providing strategic coordination and advice on managing current and upcoming events that have the potential to impact national interests through the provision of geomatics products and information.

Who we work with



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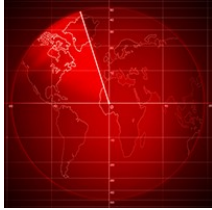
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We directly support

- Indigenous Services Canada (ISC)
- Public Safety Canada (PS)
- Canada Border Services Agency (CBSA)
- Immigration, Refugees and Citizenship Canada (IRCC)
- Innovation, Science and Economic Development (ISED)
- Prime Minister's Office and Privy Council Office (PMO & PCO)
- Canada Food Inspection Agency (CFIA)
- Provinces and Territories



Who we work with



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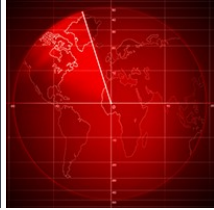
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We collaborate with and receive support from

- Natural Resources Canada (NRCan EGS)
- Indigenous Services Canada (ISC)
- Canadian Space Agency (CSA)
- National Defence (DND MCE and CJOC)
- Environment and Climate Change Canada (ECCC CIS, MSC, NEEC)
- Transport Canada (TC NASP)
- Provinces and Territories
- US Federal Emergency Management Agency (US FEMA)



Our Products

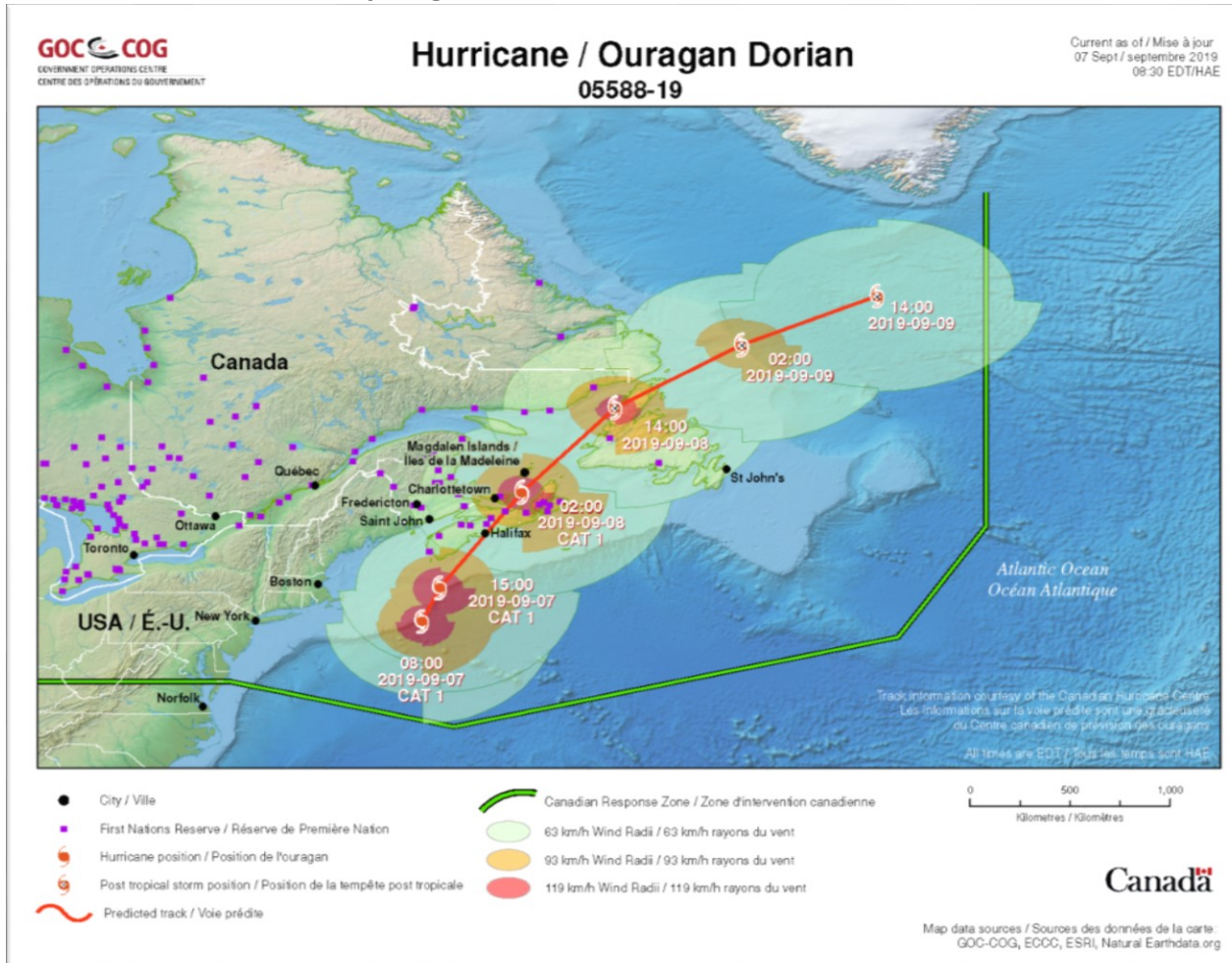


GOVERNMENT OPERATIONS CENTRE

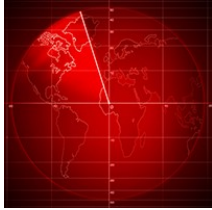
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During Events

Maps accompanying Operations Centre reports



Our Products

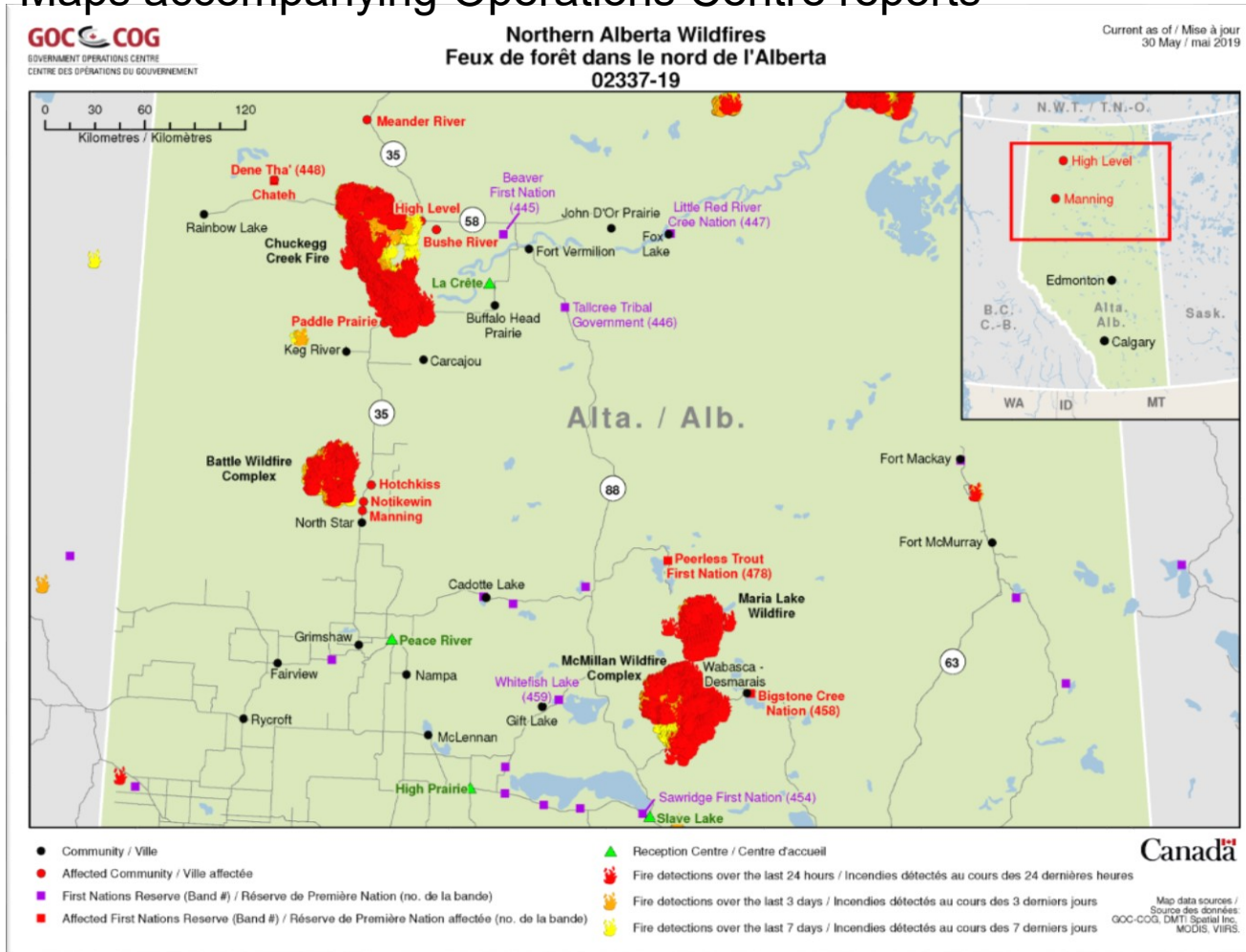


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During Events

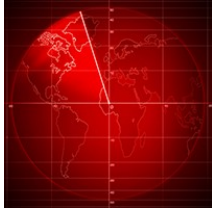
Maps accompanying Operations Centre reports



Government of Canada
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RDIMS No.: 3413750

Our Products



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During Events Dynamic Webmaps

The screenshot displays the GOC Emergency Management Webmaps interface. The browser address bar shows the URL: <https://psc.canada.maps.arcgis.com/apps/MapSeries/index.html>. The page title is "GOC Emergency Management Webmaps / Cartes web pour la gestion des urgences du COG". The interface includes a navigation menu with regional tabs (Welcome / Bienvenue, B.C. / C.-B., Alta. / Alb., Sask., Man., Ont., Que. / Qc., N.B. / N.-B., N.S. / N.-É., P.E.I. / Î.-P.-É., N.L. / T.-N.-L., Nun. / Nt., N.W.T. / T.-N.-O., Yk. / Yn) and a search bar for "Ontario". The map shows a geographic area with various data points represented by colored circles. A "Layer List" panel on the right side of the map displays the following layers:

- Tribal Council Locations (INAC) ...
- Government of Canada Properties (PSPC) ...
- Fisheries and Oceans Canada
- Canada Post
- Public Services and Procurement Canada
- Royal Canadian Mounted Police
- National Capital Commission
- Parks Canada Agency
- National Defence
- Transport Canada
- Agriculture and Agri-Food Canada
- Environment and Climate Change Canada
- Other
- NPRI Facilities (2016) (ECCC) ...
- Metal Mines (NRCan) ...
- Non-Metal Mines (NRCan) ...



Our Products



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During Events Dynamic Webmaps

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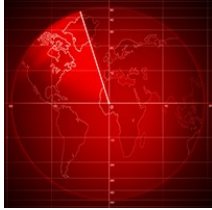
The screenshot displays the GOC Emergency Management Webmaps interface. The browser address bar shows the URL: <https://pscanda.maps.arcgis.com/apps/MapSeries/index.html>. The page title is "GOC Emergency Management Webmaps / Cartes web pour la gestion des urgences du COG". The interface includes a navigation menu with regional tabs (Welcome / Bienvenue, B.C. / C.-B., Alta. / Alb., Sask., Man., Ont., Que. / Qc., N.B. / N.-B., N.S. / N.-É., P.E.I. / Î.-P.-É., N.L. / T.-N.-L., Nun. / NT, N.W.T. / T.-N.-O., Yk. / Yn) and a search bar for "Historical NASP Imagery / Images historique du PNSA" by Government Operations Centre / Centre des opérations gouvernement.

The main map area shows a satellite view of Ottawa and Gatineau, with yellow markers indicating historical NASP imagery locations. A "Layer List" panel on the right contains the following items:

- Flooding / inondations ON-QC - 2019/05/04
- Flooding / inondations ON-QC - 2019/04/29
- Flooding / inondations N.B. - 2019/04/25
- Tornado / tornade ON-QC - 2018/09/24
- Flooding B.C. / inondations C.-B. - 2018/05/22
- Flooding B.C. / inondations C.-B. - 2018/05/21
- Flooding B.C. / inondations C.-B. - 2018/05/19
- Flooding / inondations N.B. - 2018/05/09
- Flooding / inondations N.B. - 2018/05/06
- Flooding / inondations N.B. - 2018/05/05
- Forest Fires B.C. / Feux de forêt C.-B. - 2017/07/16
- Forest Fires B.C. / Feux de forêt C.-B. - 2017/07/15
- Forest Fires B.C. / Feux de forêt C.-B. - 2017/07/14
- Forest Fires B.C. / Feux de forêt C.-B. - 2017/07/13



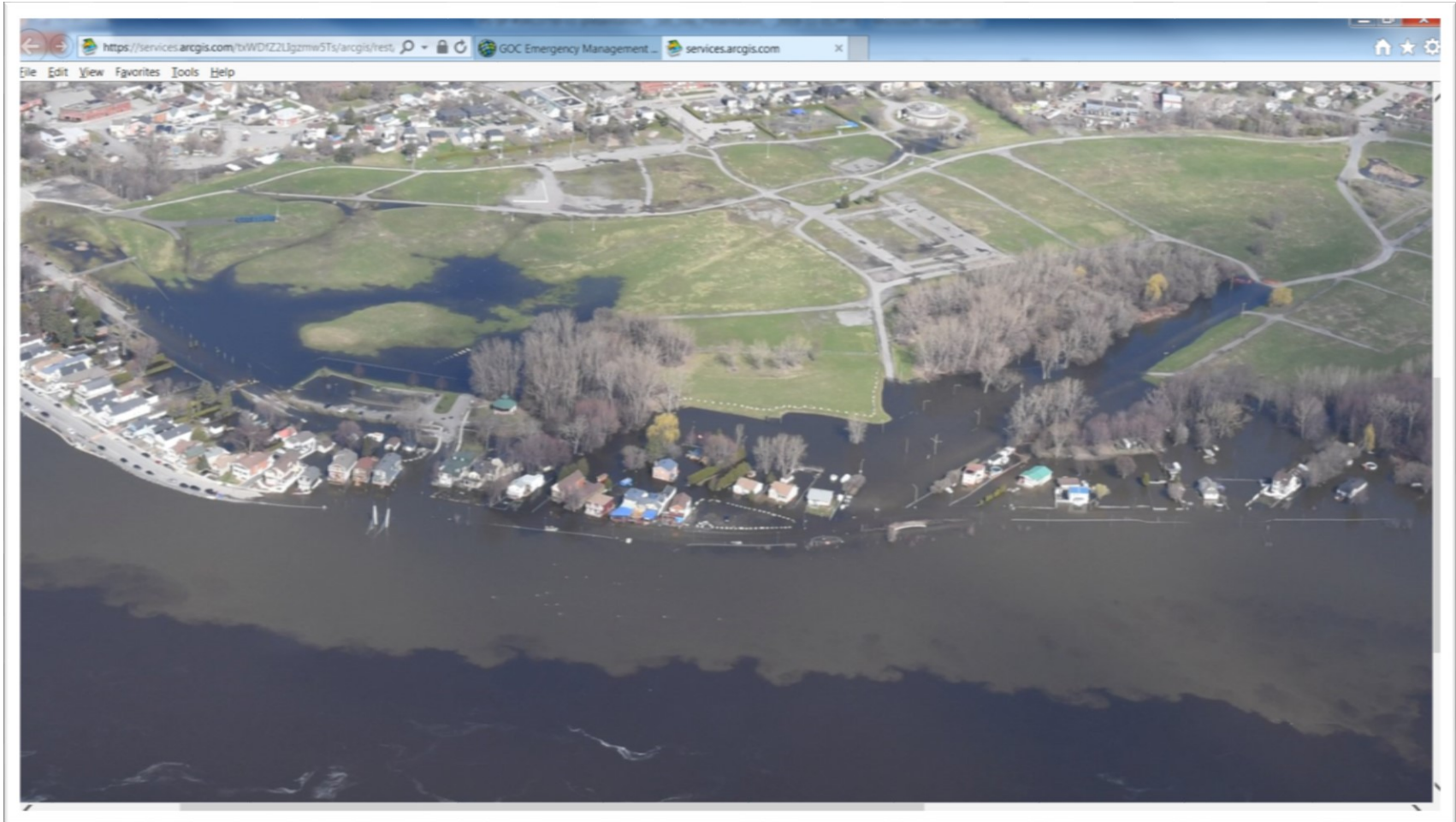
Our Products



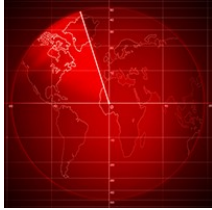
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During Events Dynamic Webmaps



How we share



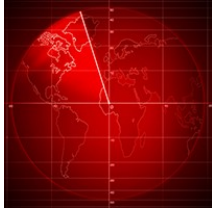
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- Public file sharing
 - Event maps
 - Symbology
 - Aerial photos (NASP)
- Protected Cloud host
 - Satellite imagery
 - Licensed data sharing
- Email
 - Direct product sharing with partners
- **EMGS – Emergency Management Geomatics Sharing**
 - Email distribution list of Federal emergency management geo partners



Future developments

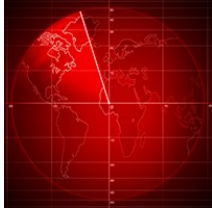


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- Better data sharing with emergency management partners
 - Presently, there is very little sharing done. Must improve.
- Increased support to departments working in emergency management
 - Many departments could use geo support during events
- Increased use of satellite data during events by Provinces
 - 7 provinces currently receiving RADARSAT-2 imagery for emergencies





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