

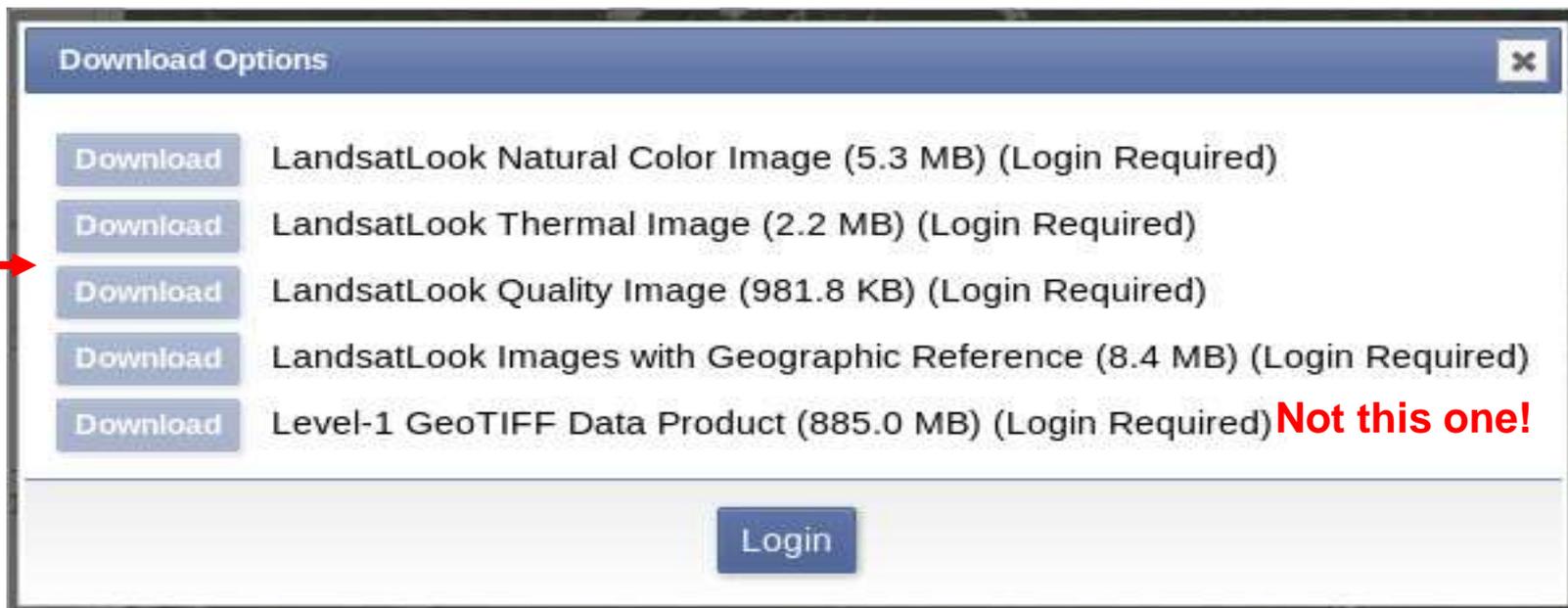
Notes on environmental change assignment

Download the LandsatLook 3-band colour TIF (543 or 654)

These are set up as 543 or 654 in RGB (no need to 'flip bands') .. and as 8 bit layers (DN+0-255)– even Landsat 8 – can be handled by GIS

Select your two images: EarthExplorer or Glovis

- Preferably no clouds in the area
- Same month of the year is better than more years apart



Clipping the two scenes to your area of interest

Alternative to clipping with Banff 'current display' if unavailable :

- One can clip raster in QGIS or ArcGIS, but you need to define extents
- But there is a workaround in ArcGIS to bypass clipping: (less so in QGIS)
- In ArcMap arrange the window to show just the area you want (zoom/pan)
- File-> export map .. save as jpg or tif (150dpi is plenty for the screen) and tick the -
- tick georeferencing box if there is one
- Now you have two matching .jpg images of your area
- Insert → image in powerpoint, one per slide
- They should come in perfectly aligned so DON'T MOVE THEM

You should have chosen your area to match the **Landscape** format (~3x2) PPT .. there's no value in having extra white space – insert->text box and type in the date and year for each image in the top left corner (or wherever it's not hiding info)
Add scale bar if you didn't in ArcMap (not easy to do except in Output mode)

Env. Change assignment; 3 slides: = 1 intro and 2 images

Intro slide: include your name

- * Feature / Area name and general location
- * The event / change – how, where and why
- * Personal interest ?
- * Anything else that is relevant – you should be able to describe / explain what we will all see on your two slides

Image slides:

- * maximise image area on the page;
- * include date/year on each – on the image corner if there's a spot;
- * and a rough scale bar on one or both

Ignore previous mention of extra one page text

Mon Oct 19: send slides and text to wheate@unbc.ca

Wed Oct 21: lecture: 3 minutes each – demo your example

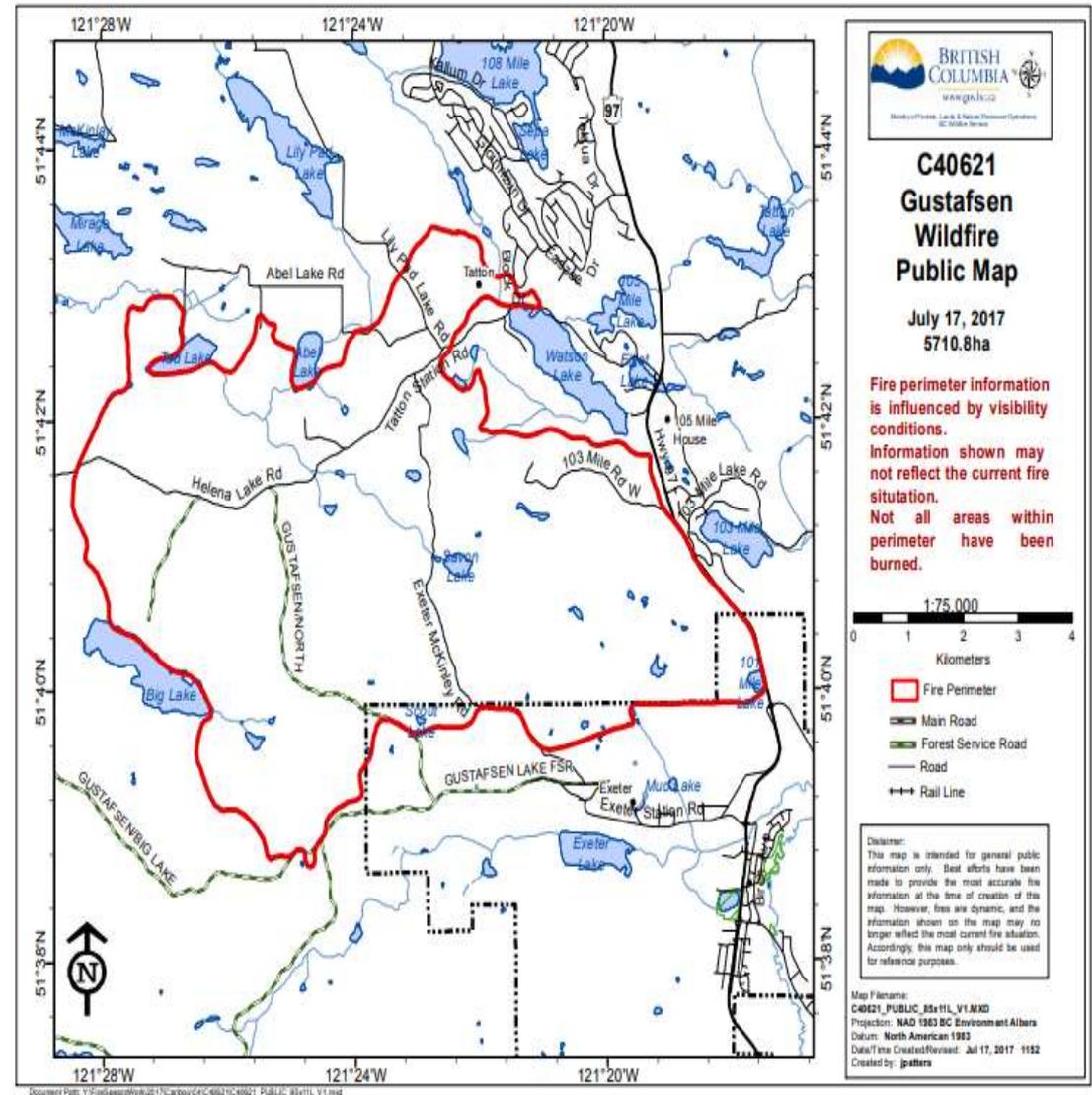
Sample from last year

Gustafsen wildfire

summer 2017: started from **firearm use** July 6th, 2017, **burned 5,700 ha**. Out by July 30th, 2017.

Between 108 Mile Ranch and 100 Mile House (about 15 km apart), North of Kamloops and south of Williams Lake.

My parents ranch and my home is near Williams Lake

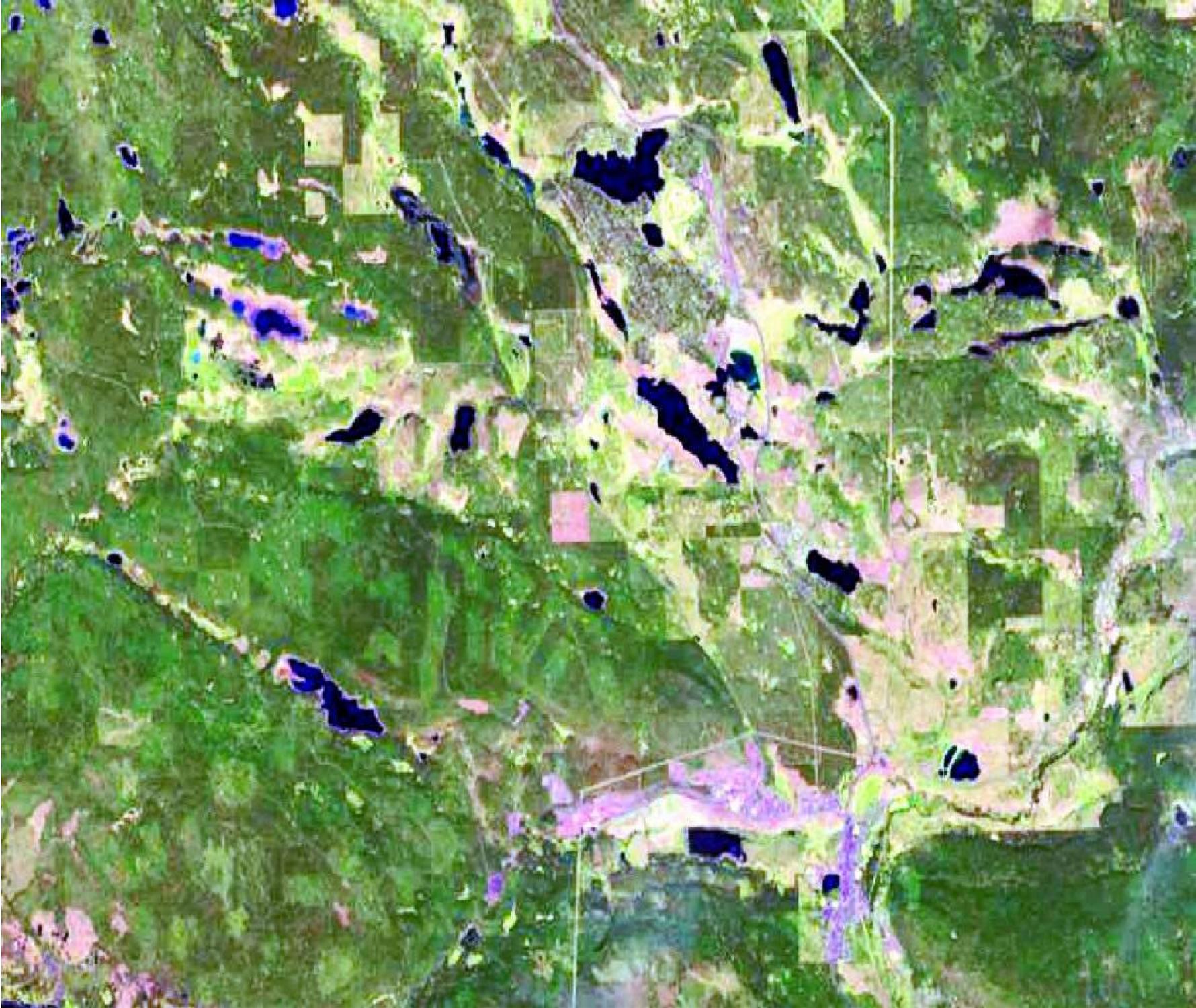


References:

<https://www.wltribune.com/news/2017-gustafsen-wildfire-was-caused-by-firearm-use-foi-documents-confirm/>

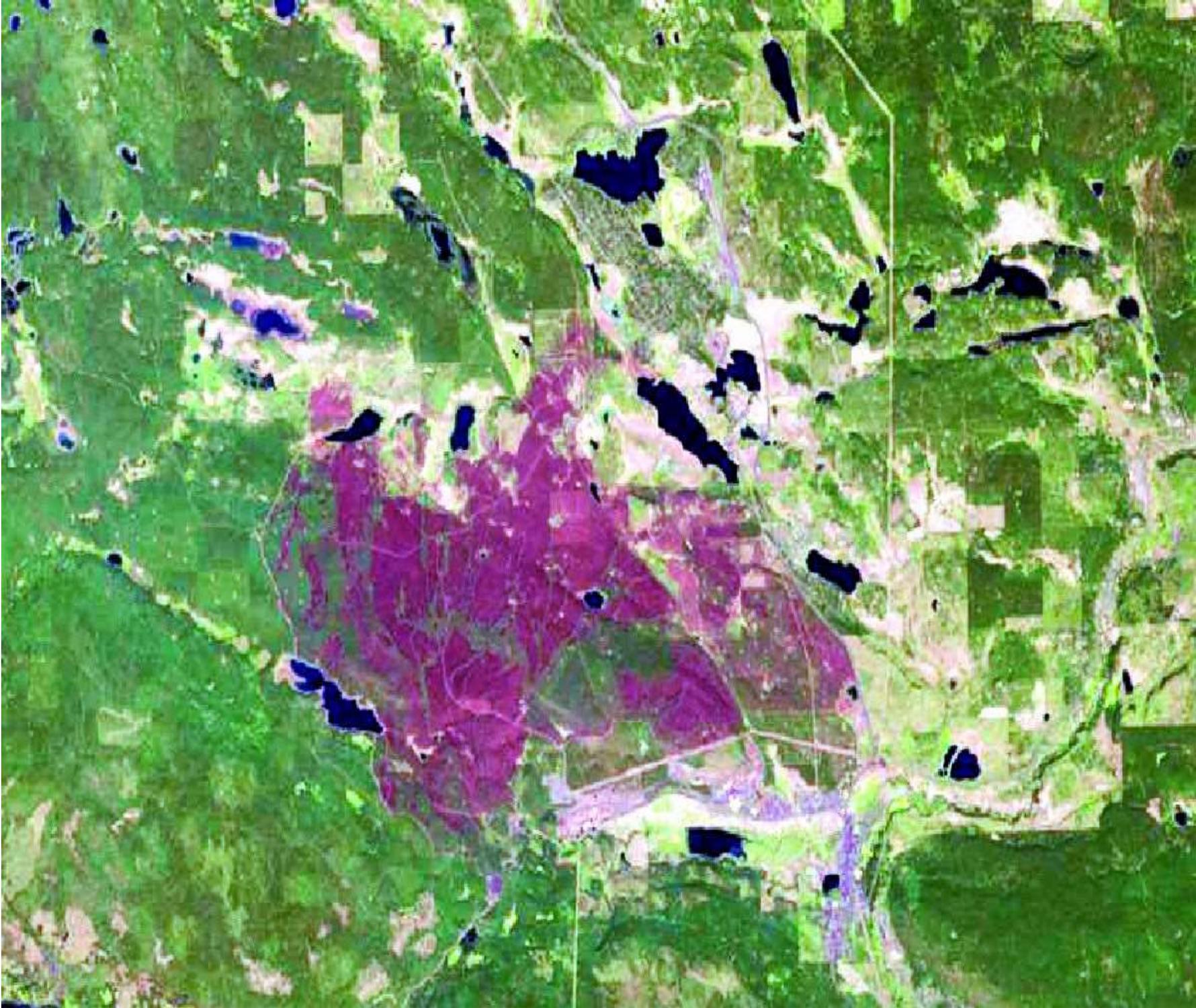
<http://bcfireinfo.for.gov.bc.ca/hprScripts/WildfireNews/OneFire.asp?ID=619>

Landsat 8
August 19,
2016
South Cariboo



4km

Landsat 8
August 22,
2017
South Cariboo



4km