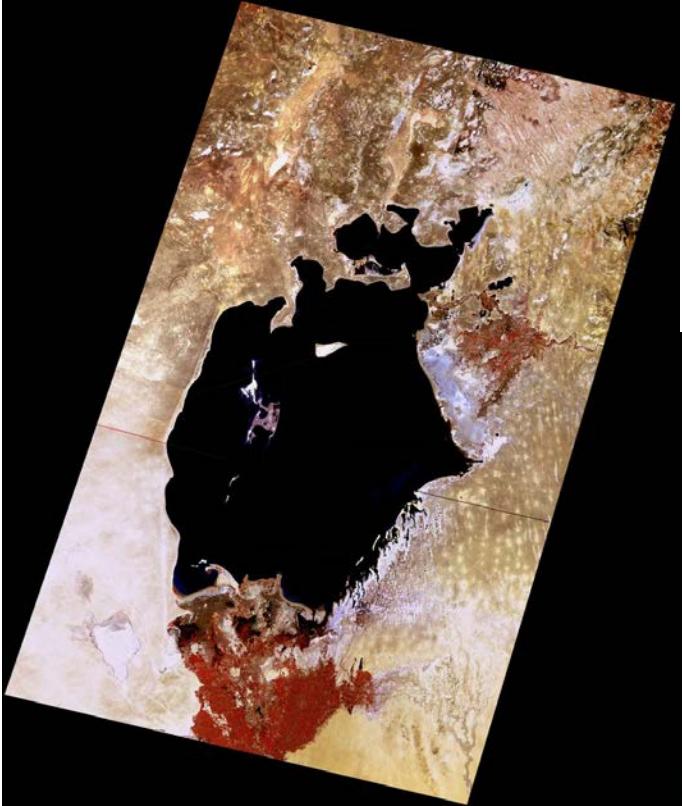


Landsat

Landsat Missions Timeline



Change Detection Analysis

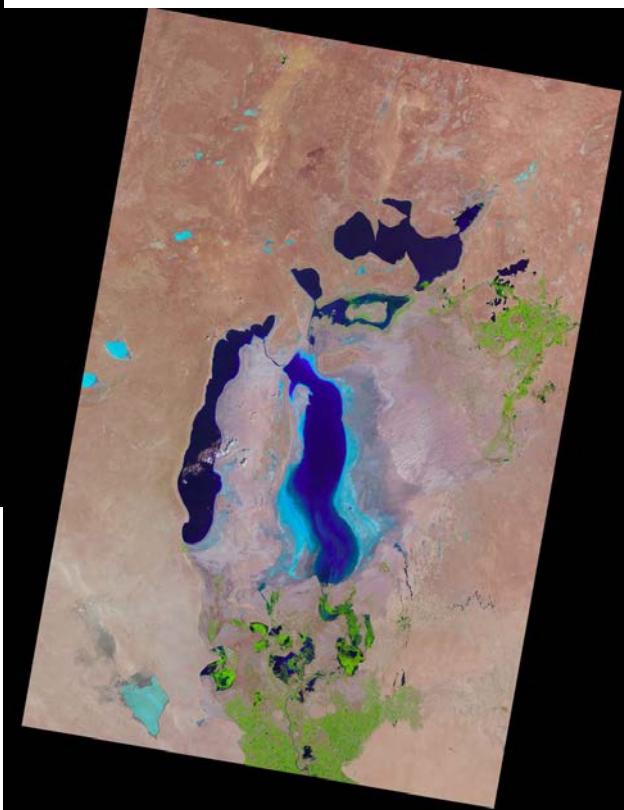


1977

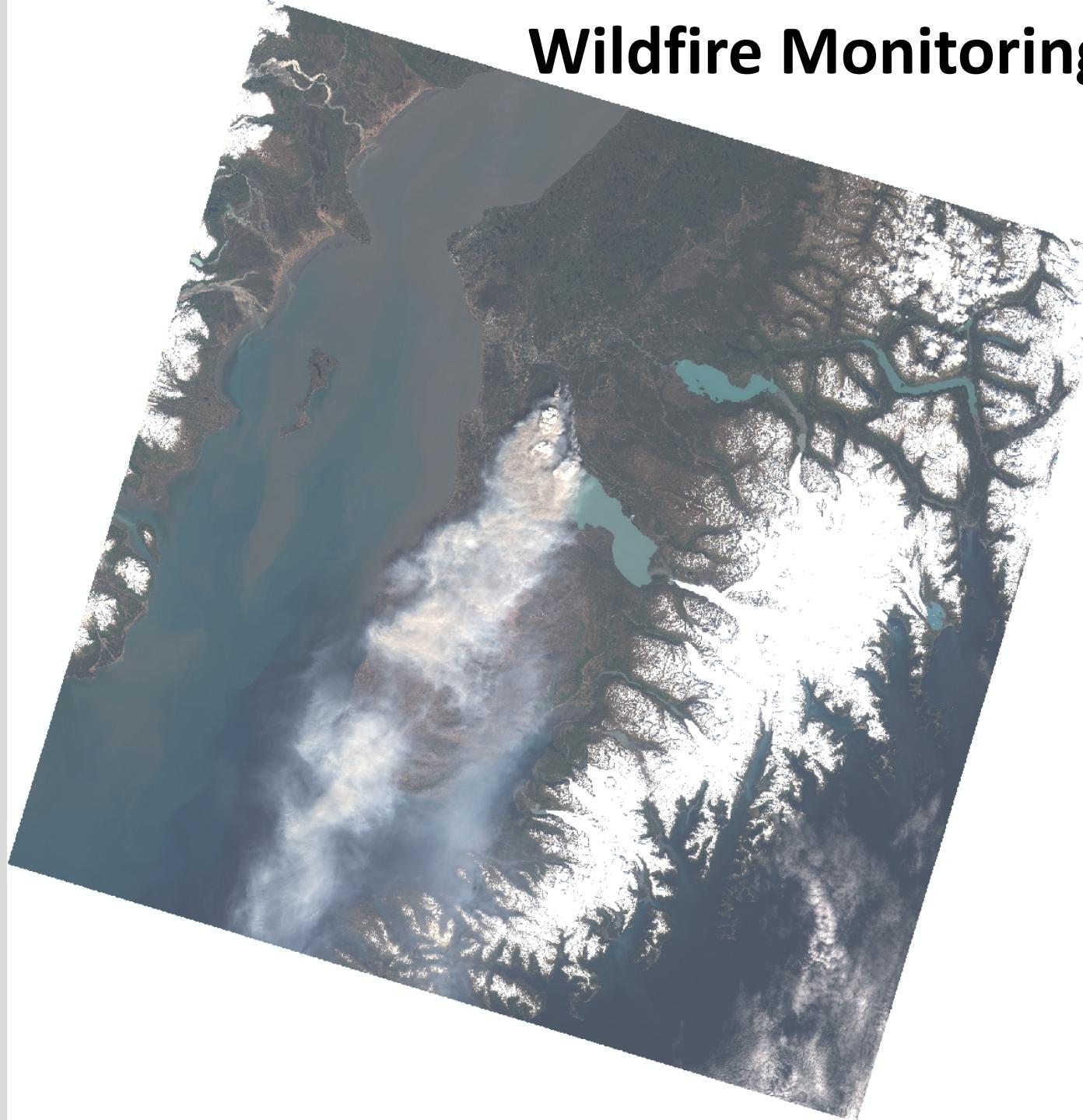


1998

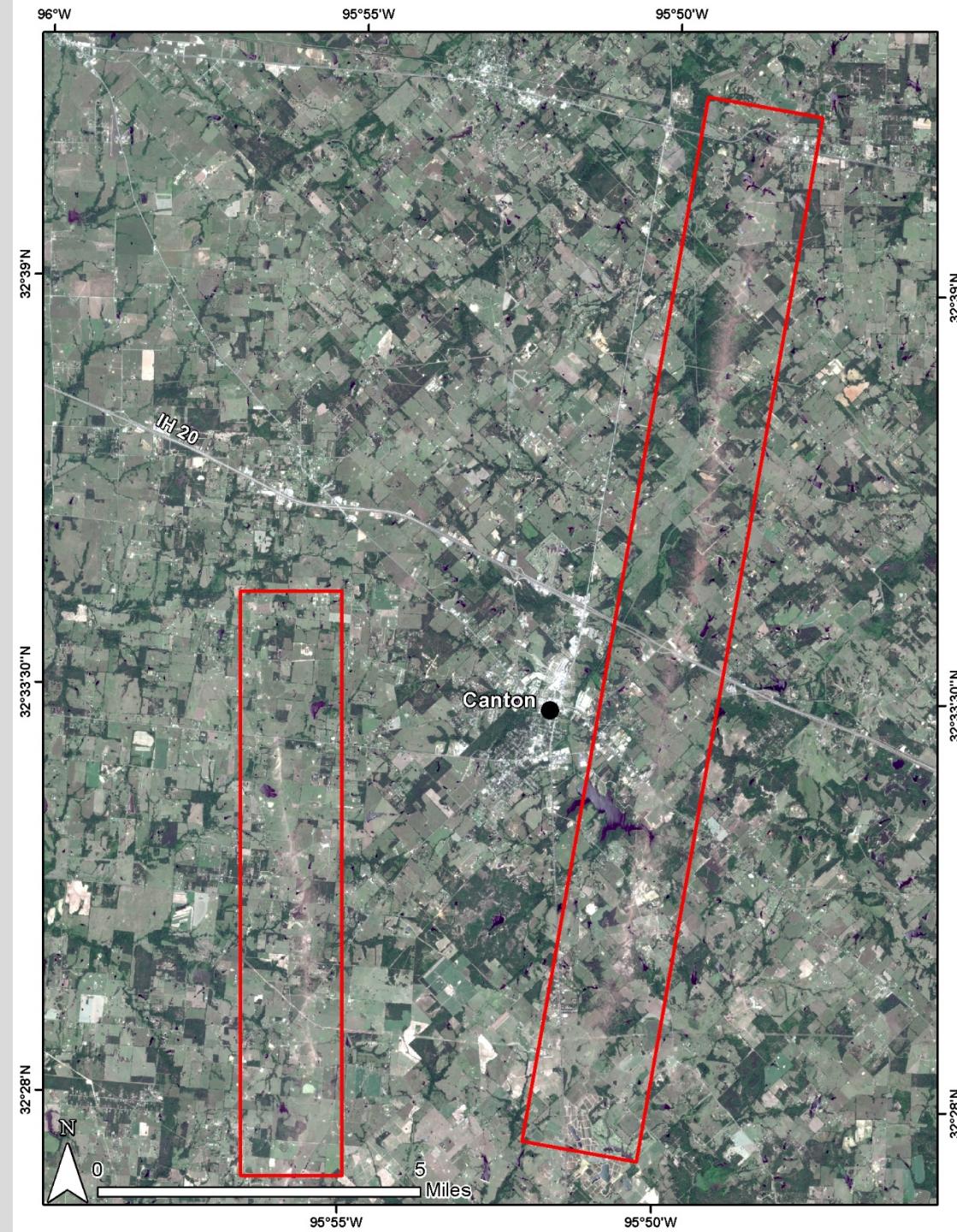
2010



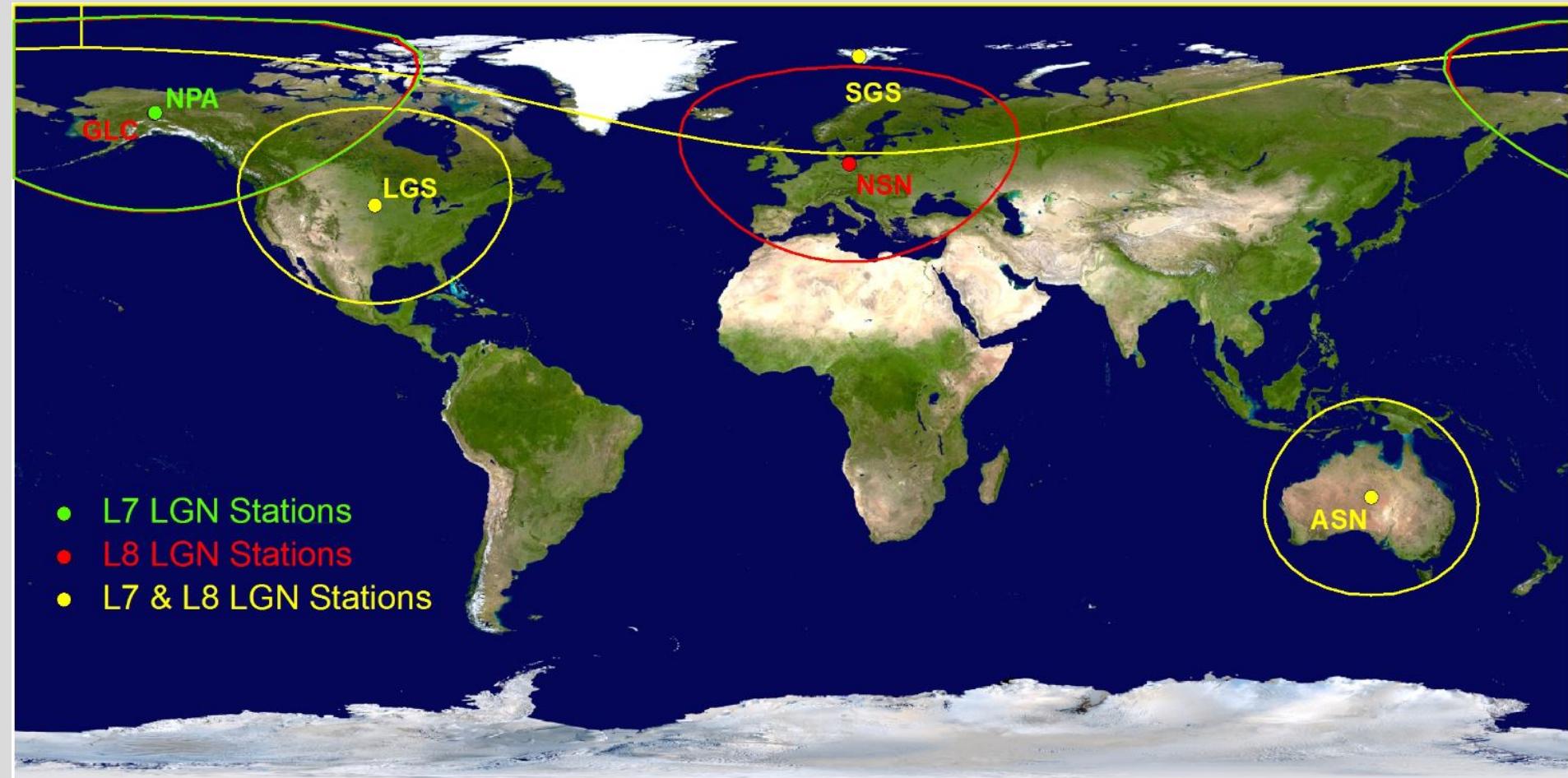
Wildfire Monitoring



Disaster Assessment



Landsat Ground-Based Operations



Gilmore Creek Ground Station



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Search Criteria Data Sets Additional Criteria Results

4. Search Results

If you selected more than one data set to search, use the dropdown to see the search results for each specific data set.

Note: You must be logged in to download and order scenes

Show Result Controls

Data Set Click here to export your results »

Aerial Photo Single Frames

« First < Previous 1 ▾ Next > Last »
Displaying 1 - 3 of 3 ⓘ

1 Entity ID: ARCBAR002900147
Coordinates: 70.272596, -148.453703
Acquisition Date: 20-JUL-49
Scale: 20000

2 Entity ID: ARCBAR002900146
Coordinates: 70.273809, -148.407777
Acquisition Date: 20-JUL-49
Scale: 20000

3 Entity ID: ARCBAR002900145
Coordinates: 70.275856, -148.359913
Acquisition Date: 20-JUL-49
Scale: 20000

« First < Previous 1 ▾ Next > Last »

Search Criteria Summary (Show)

Map Satellite [71° 07' 51" N, 155° 07' 37" E] Options Overlays

East Siberian Sea Beaufort Sea Chukchi Sea Bering Sea Gulf of Alaska Canada Hudson Bay

Google Map data ©2017 Google Imagery ©2017 NASA, TerraMetrics | 500 km Terms of Use Report a map error

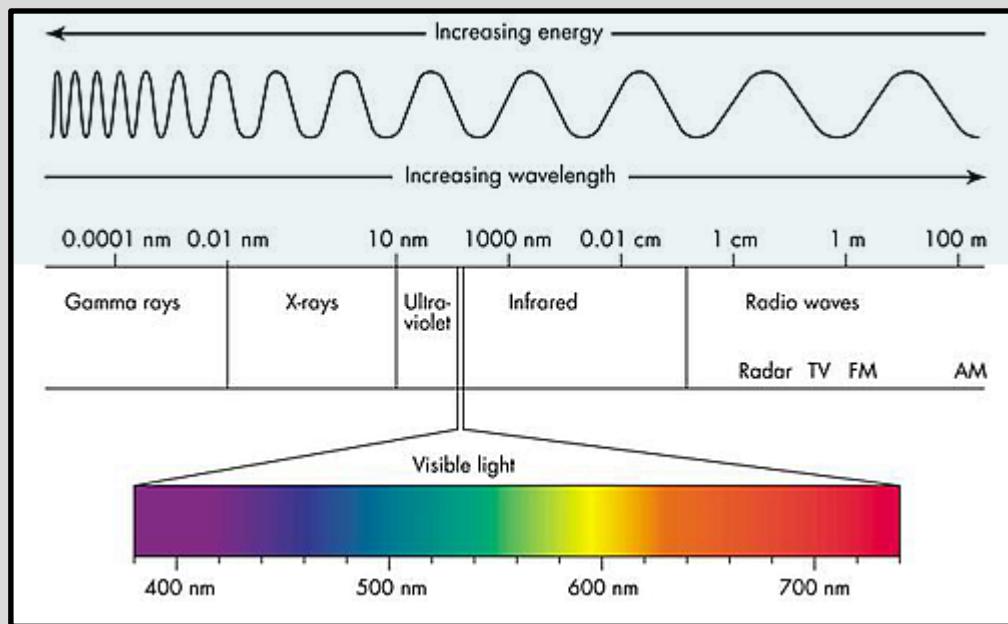
The up-to-date Google map is not for purchase or for download; it is to be used as a guide for reference and search purposes only.

Accessibility FOIA Privacy Policies and Notices Google Maps API Disclaimer

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URL: <https://earthexplorer.usgs.gov>
Page Contact Information: custserv@usgs.gov
Page Last Modified: 02/09/2017

USA.gov

Landsat 8 Operational Land Imager (OLI) and Thermal Infrared Sensor (TIRS)	Bands	Wavelength (micrometers)	Resolution (meters)
	Band 1 - Ultra Blue (coastal/aerosol)	0.43 - 0.45	30
	Band 2 - Blue	0.45 - 0.51	30
	Band 3 - Green	0.53 - 0.59	30
	Band 4 - Red	0.64 - 0.67	30
	Band 5 - Near Infrared (NIR)	0.85 - 0.88	30
	Band 6 - Shortwave Infrared (SWIR) 1	1.57 - 1.65	30
	Band 7 - Shortwave Infrared (SWIR) 2	2.11 - 2.29	30
	Band 8 - Panchromatic	0.50 - 0.68	15
	Band 9 - Cirrus	1.36 - 1.38	30
	Band 10 - Thermal Infrared (TIRS) 1	10.60 - 11.19	100 * (30)
	Band 11 - Thermal Infrared (TIRS) 2	11.50 - 12.51	100 * (30)



Natural Color	4 3 2
False Color (urban)	7 6 4
Color Infrared (vegetation)	5 4 3
Agriculture	6 5 2
Atmospheric Penetration	7 6 5
Healthy Vegetation	5 6 2
Land/Water	5 6 4
Natural With Atmospheric Removal	7 5 3
Shortwave Infrared	7 5 4
Vegetation Analysis	6 5 4

<https://eros.usgs.gov/imagegallery>



Earth As Art 4

Earth as Art 4 (EAA4) comprises 37 stunning images captured by Landsat 8, the newest Landsat Program satellite.

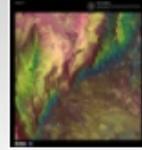
Landsat satellites acquire detailed views of the Earth's surface that scientists use to determine how our planet's landscapes are changing over time. In addition to their scientific value, however, many Landsat images are simply lovely to look at.

[Exhibit Guide](#)

[View Images](#)



[Earth as Art 4](#)



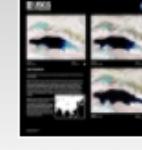
[Earth as Art 3](#)



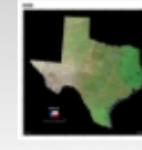
[Earth as Art 2](#)



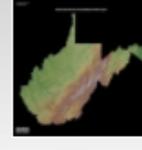
[Earth as Art](#)



[Image of the Week](#)



[Landsat State Mosaics](#)



[States - NED Shaded Relief](#)

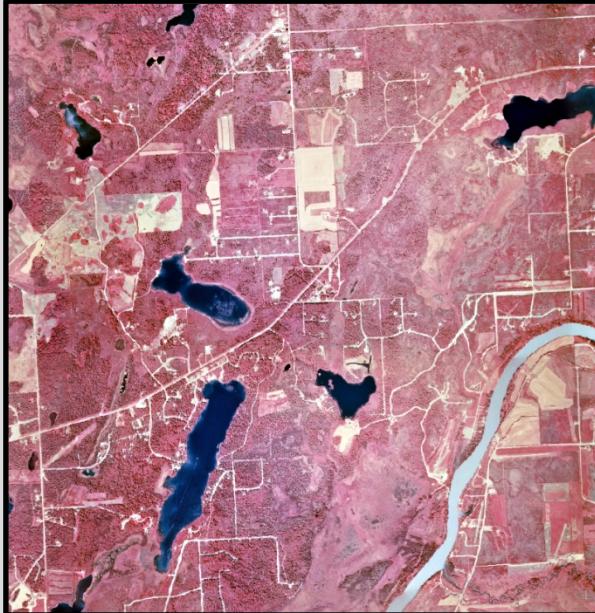
Multi-Decadal Change Detection

- 1950's black and white aerial photography
- 1980's Alaska High Altitude Aerial Photography (AHAP)
- 2010 Era Satellite Imagery

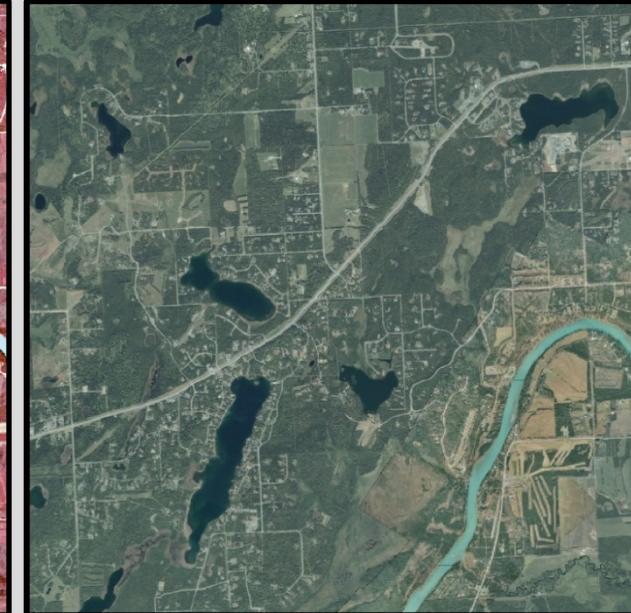
1950: 1-2 meter



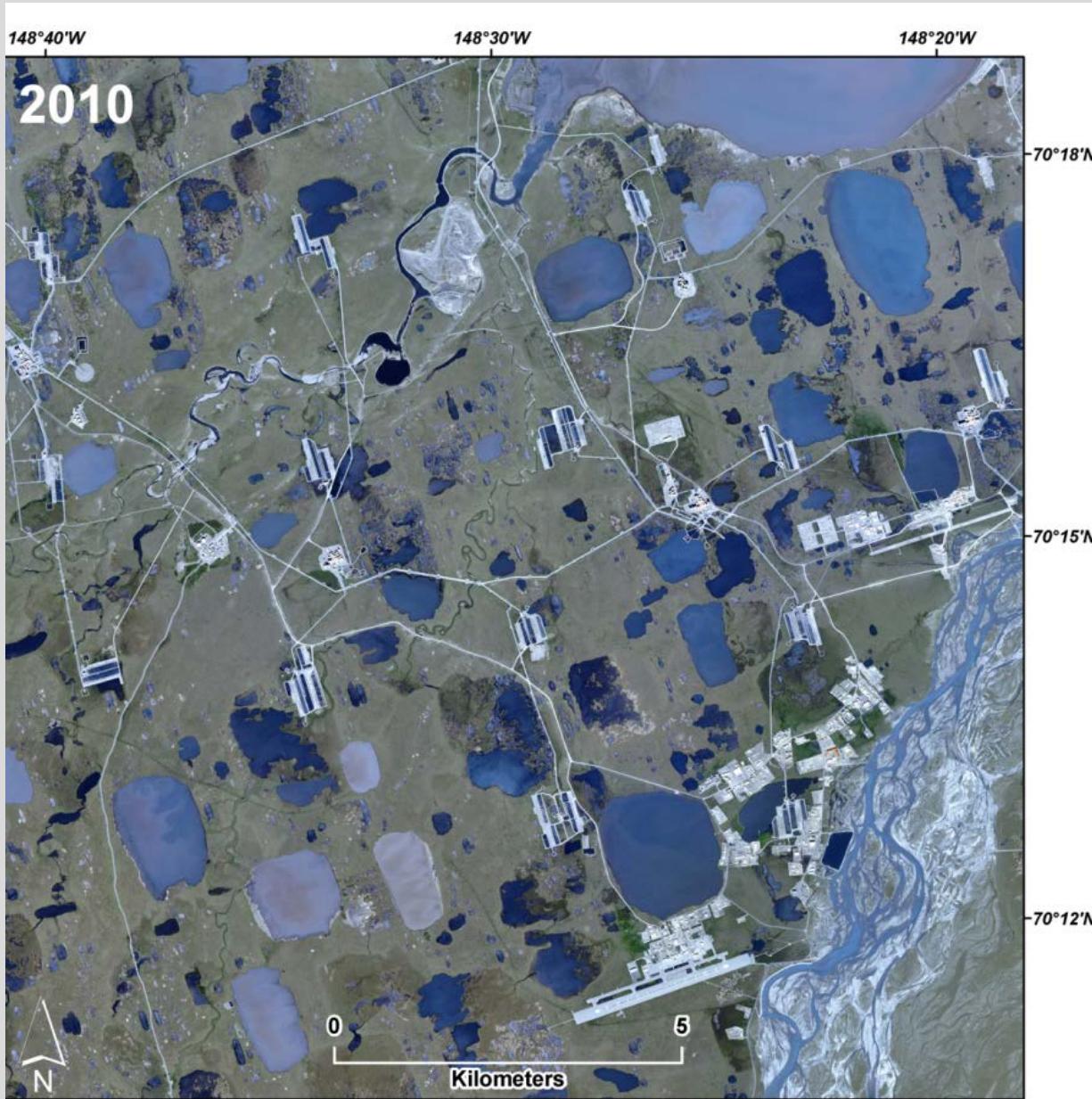
1980: 2-3 meter



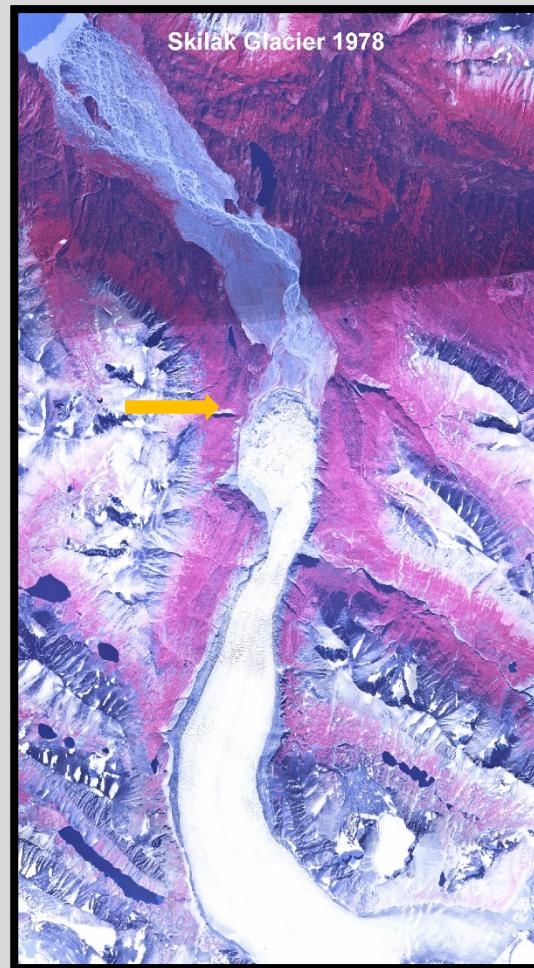
2010: 2.5 meter



Change Detection of Prudhoe Bay



Change Detection of Glacial Recession



Add this web mapping service

<http://ogc.gina.alaska.edu/epscor>