

MapToLearn

Creating student success, one map at a time

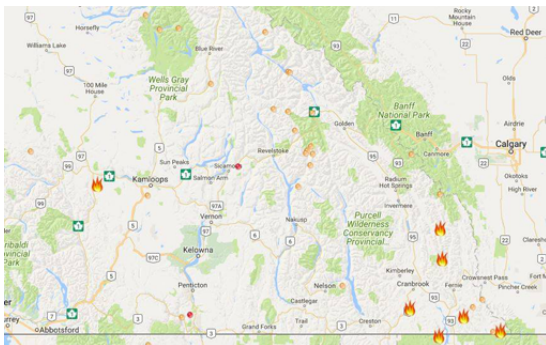


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A Summer of Natural Disasters

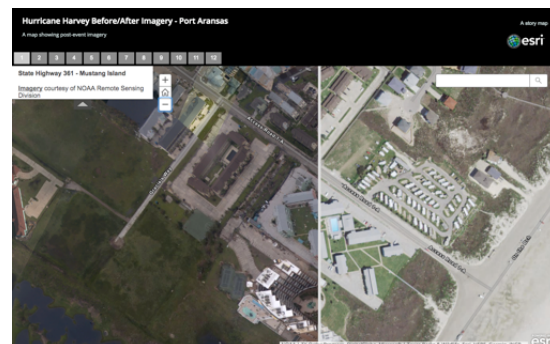
From forest fires in the west to a seemingly endless stream of category 3, 4 and 5 hurricanes wreaking destruction across the Caribbean and south eastern USA to several earthquakes in quick succession in Mexico, the summer of 2017 has been a summer of natural disasters.



B.C. Wildfires

More than 100 wildfires are still burning (as of Sep 27) in B.C., making this the worst fire season in history.

[BC Active Wildfires Map](#)



Hurricane Harvey

Category 4 hurricane Harvey makes landfall in South Texas on August 25th to the 29th.

[Hurricane Harvey - Before/After Imagery](#)



Hurricane Irma

Category 4 hurricane Irma batters both Florida coast on September 10th.

[Hurricane Irma Photo Map](#)

[Hurricane Irma Post-Event Imagery Swipe Map](#)



Mexico Earthquake

A 7.1 magnitude earthquake struck near Raboso, Mexico on September 19th.

[NASA-Produced Damage Maps](#)

[Damage Map - Google Earth \(kmz\)](#)

Grade 12 Global Issues

“Although Earth is 4.6 billion years old, human beings have been around for just a small fraction of that time—about 250,000 years. In that time, somewhere between 60 and 110 billion people have lived on this planet, civilizations have come and gone, and Earth has continued to nourish and sustain life. Until recently, we have not paid a great deal of attention to the impact of human activity on the state of the planet, nor have we paid adequate attention to the needs of our fellow humans.

In recent years, people have watched with increasing concern as significant environmental changes have become more apparent. We are beginning to realize that these changes may be the result of human activity—and, even worse, that our future on Earth is no longer certain.”

Source: Social Studies Curriculum, *Grade 12 Global Issues: Citizenship and Sustainability (405)*, [Course Rationale: State of the Planet](#)

Grade 12 Global Issues: Citizenship and Sustainability		
Learning to Know	Evaluating Understandings	Safe Action
<ul style="list-style-type: none"> Identify the causes and effects of global issues. Analyze the impact of human activity on the environment. Understand the role of global citizens in addressing these issues. 	<ul style="list-style-type: none"> Evaluate the credibility of information from various sources. Analyze the impact of human activity on the environment. Understand the role of global citizens in addressing these issues. 	<ul style="list-style-type: none"> Take action to address global issues. Participate in community service projects. Advocate for policies that address global issues.
Learning to Be	Learning to Do	Learning to Be Together
<ul style="list-style-type: none"> Be a responsible global citizen. Understand the role of global citizens in addressing these issues. 	<ul style="list-style-type: none"> Take action to address global issues. Participate in community service projects. Advocate for policies that address global issues. 	<ul style="list-style-type: none"> Work with others to address global issues. Participate in community service projects. Advocate for policies that address global issues.

Inquiry Questions

1. Are the natural disasters of this summer the result of human activity? Have we reached a point where we can no longer change or reverse the impact of our human activity but can now only put plans into place to

mitigate the impact of natural disasters? What plans must be put into place?

2. Do you agree or disagree with this quote:

*"Life takes turns that none of us can control but **we must pull together** rather than apart. ... Man can never **WIN against nature**, but yet **we** keep trying...and maybe one day, we may defy the odds". - Anonymous*

3. Select one of the natural disasters in Central and/or North America and address the following questions:

- a. How did this natural disaster impact the environment?
- b. How did this natural disaster impact the people and their community?
- c. What strategies did this community have in place to cope with the natural disaster?
- d. What was needed for people to survive this natural disaster?
- e. How should we prepare for natural disasters?
- f. How can communities benefit from a natural disaster?

Use Maps and Story Maps by Esri and others to support student learning, the understanding of and response to recent natural disasters.

Previous Newsletters

Did you miss one? You can find them on our blog at: <http://maptolearn.ca/blog/>.



Best regards!

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