



Teaching HGIS Online

The Geospatial Historian

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Assistant Professor

School of Historical Philosophical and Religious Studies
and School of Sustainability



Teaching HGIS Online

- History at ASU Online
- GIS for Environmental History (NiCHE & Geospatial Historian)
- New research in Canadian agriculture & environment

ASU Online

ASU Online



Online Degrees ▾

Why ASU Online? ▾

How it Works ▾

Cost ▾

Become a Student ▾

Student Resources ▾

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why choose asu?

Why ASU Online?



“It is clear that online instruction can be effective. In most meta-analyses of controlled studies comparing learning outcomes for online and face-to-face instruction, those who learn online fare as well as, and sometimes even better than, those experiencing the instruction in face-to-face format.”

Barbara Means, et al, *Learning Online: What Research Tells Us About Whether, When and How* (Routledge, 2014)

Video lectures

- Recorded lectures



Interactivity

- Threaded discussions

Interactivity

ASU History Master's Students a community of scholars, colleagues, and friends

ASU History Master's Students

Closed Group

Joined

Share

Notifications

...

Penelope Moon
January 9 at 12:41pm

Some historical context related to the recent "occupation" of a federal building in Oregon...



Behind the Oregon Standoff, You'll Find Big Questions About Democracy

America's long history of land disputes is where deep questions — like what our nation is ultimately for — turn

NYTIMES.COM | BY R. MCGRAW

Like Comment

5 people like this.



Jenn Merry shared Arizona Chapter of the Association for Gravestone Studies's photo.

January 10 at 3:39pm

If anyone is interested in cemetery preservation, history, and art, and would like to be more involved with the Association for Gravestone Studies or learn more about our organization, we will be holding the first meeting for the Arizona chapter on February 13, 2016, in Phoenix. Details attached.

Our Facebook page: <https://www.facebook.com/Arizona-Chapter-of-the-Associatio.../>



Kristine Navarro McElhaney shared Civil Rights in Black and Brown Oral History Project's post.

Yesterday at 8:59am

Civil Rights in Black & Brown Oral History Project is hiring research asst for Summer 2016.



Civil Rights in Black and Brown Oral History Project

January 26 at 11:18am · Fort Worth, TX

Like Page

CRBB is hiring Research Assistants for Summer 2016! Good pay, all

expenses paid travel, and a chance to contribute to our histories while contribut...

See More



Elisha Scott

January 8 at 8:16pm · St. Louis, MO

Before each semester starts, I make sure to "reset" myself. I rearrange my study, check my pen and legal pad supply, and center myself to ensure that my mind is set on a successful year. Are there any things you guys do to get ready for new classes?

Like Comment

You, Kristine Navarro McElhaney and 3 others like this.

Seen by 99



Chase Miller

January 8 at 8:16pm · St. Louis, MO

That's always my main concern. After that, it's all fresh school supplies and then I binge watch my favorite show until the first readings are posted.

Like · Reply · 4 · January 8 at 8:22pm



Kaylee Westfall

January 8 at 8:47pm

I agree with Chase, I need my books in order too. Pay the bills so I don't have to worry later. Then I have to make sure my schedule, hubby's, and daughter's all align to something coherent. (Sometimes harder than school itself) What are you guys taking this semester?

Like · Reply · 1 · January 8 at 8:47pm



Chase Miller

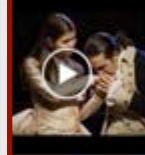
January 8 at 8:47pm · St. Louis, MO



Wayne Cooke

November 17, 2015

Regarding the debate over the traditional vs. non-traditional narrative of American History, the enormous success of "Hamilton: The Musical" brings the issue again to the forefront. While I personally haven't seen the show, the reviews have been overwhelmingly positive, hailing the portrayal of the founding fathers by Black and Latino actors—and their rap, pop, and hip-hop musical "history lessons"—as not only "transformational" but "America then as seen by America now". Oth... See More



"Hamilton": A founding father takes to the stage

When Lin-Manuel Miranda sings about the drive of the "young, scrappy and hungry" immigrant, he's not singing about just any immigrant. He's singing about the...

YOUTUBE.COM

Like Comment Share

people like this.

Seen by 118

13 more comments

Wayne Cooke As someone told me a long time ago, Dr. Osborn, it all depends upon intent. Perhaps Miranda is sincere that "Hamilton" is a "tribute". However, without knowing more about it I could also see how Jefferson and Washington—who Miranda repeatedly identifies... See More

Like · Reply · November 17, 2015 at 5:19pm · Edited

Wayne Cooke replied · 6 Replies



Wayne Carter

http://www.cbsnews.com/videos/hamilton/ Miranda shares some of his background on why he developed this idea about Hamilton and why he uses his own as a medium to tell his message across. I am looking

Interactivity

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Attempt 1 of 1

Exit

Assignment Instructions

Comment

2 of 2

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citizenship. She focuses on the idea of business with respect to Mexicans. Unlike the paternalistic plantation owners of the South, growers in places like California were content with their workers - often Mexican - to use aid. Due to this unequal distribution of aid, as Fox points out, it appears that Mexicans were more dependent upon the "dole." She asserts "political parties and other institutions failed to incorporate Mexicans, their naturalization rates were low, ensuring that citizenship restrictions, where adopted, would disproportionately affect them" (33). Contrast this concept with the ease of assimilation for European born immigrants due to their greater access of welfare and naturalization resources.

Along with the concept of social citizenship, Fox discusses a growing desire for "nativism" in the country. Following World War I, nativism, or the policy of protecting the interests of native born or established inhabitants against those of immigrants, became more prevalent. With the creation of anti-immigration measures by politicians and stereotypical biases from social workers, immigrants (especially Mexicans) felt pressure to return to their homelands (38). Many Mexicans and Mexican-Americans left voluntarily, but thousands more left under duress according to Fox (342). At times, governmental agencies supported actions to encourage repatriation and supplied funds to transport immigrants to their homeland.

On the whole, Fox successfully contributes to the historiography of the welfare system during the Progressive era and New Deal period for underserved populations. Although her work seems repetitious at times, she adequately conveys the unfair and unethical practices towards Mexicans and Mexican-Americans during this time period. Her use of evidence complements her scholarship to discuss the significance of this group of people with respect to welfare and immigration practices. She adeptly relays this previously missing scholarship to historians.

Penelope Moon: But this wasn't the reality, right?

Penelope Moon: awkward

Penelope Moon: such as?

Penelope Moon: Not bad! I would've liked a little more explanation of the concept social citizenship. What exactly did that mean? How did she demonstrate its power?

Comments & Markups

Page 1

Cybelles Fox's

Penelope Moon - 2 months ago

her

Penelope Moon - 2 months ago

she

Penelope Moon - 2 months ago

Cybelles Fox

Penelope Moon - 2 months ago

political systems, race and labor market rel...

Penelope Moon - 2 months ago

What does she argue?

Penelope Moon - 2 months ago

Page 2

al distribution of aid, as Fox points out, it ap...

Penelope Moon - 2 months ago

But this wasn't the reality, right?

Penelope Moon - 2 months ago

desire for 'nativism

Penelope Moon - 2 months ago

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Penelope Moon - 2 months ago

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Penelope Moon - 2 months ago

such as?

Penelope Moon - 2 months ago

historians

Penelope Moon - 2 months ago

Not bad! I would've liked a little more explanation of the concept social citizenship. What exactly did that mean? How did she demonstrate its power? THESIS: 26 WRITING: 29 CRITICAL THINKING: 27 ORGANIZATION: 5 FORMAT: 5 TOTAL: 92

Assignment Details

GRADE

Last Graded Attempt

92 / 100

Attempt

2/6/16 7:38 PM

92 / 100

SUBMISSION

ThreeWorldsofReliefRacemigrationandtheAmericanWelfareStatefromtheProgressiveEra totheNewDeal-EstherBateson (1).docx

COMMENTS

2/6/16 7:38 PM

Dr. Moon, Please see attached document regarding Cybelles Fox's monograph. Thanks, Esther

ASU Online Students

History MA Students	Online	Onground
% Non-traditional (>30)	72	23
% Female/ % Male	42/58	31/69
% First generation	29	23
% Nonwhite	15	8
% Working full-time	65	31
% Veteran	14	8

Place history, on-the-spot





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Geospatial Historian

Open HGIS Lessons and Resources

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About

The Geospatial Historian is a tutorial-based open access textbook, modeled on the [Programming Historian](#), for historical scholars and digital humanists. It is designed to teach practical digital mapping and GIS skills that are immediately useful to real research needs.



*Funding provided by the Network in
Canadian History & Environment*

Geospatial Historian

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Lessons

What is Historical Geographic Information Systems (HGIS)?

HGIS is a historical methodology that uses Geographic Information Systems (GIS) database and mapping software to analysis spatial change over time. For



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University of
Saskatchewan***



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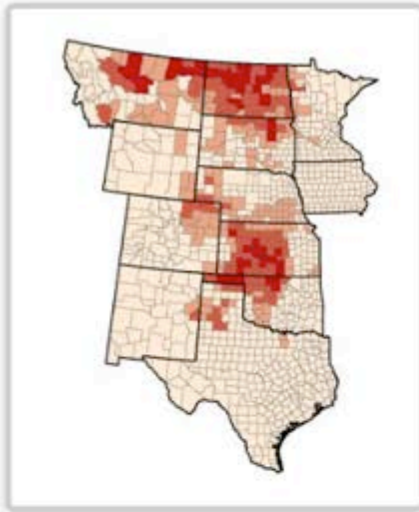
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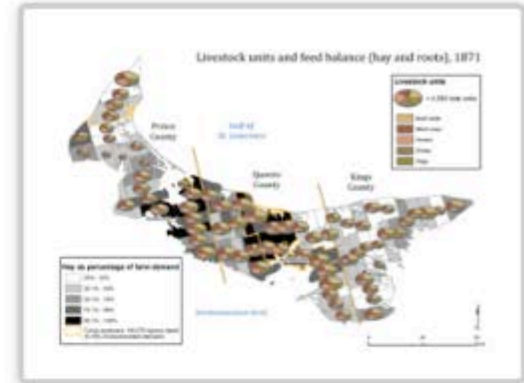
Jessica DeWitt, U Saskatchewan



Great Plains Red Wheat Map



Georeferenced Historical Map

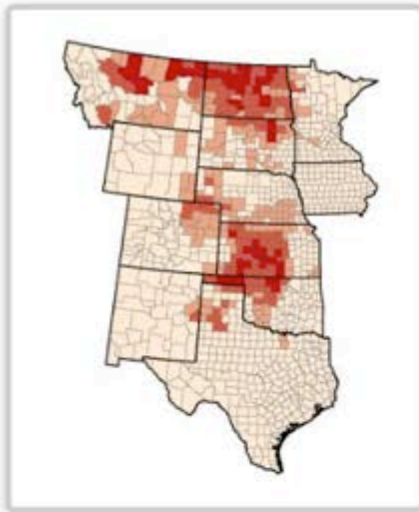


Livestock and feed in Prince Edward Island, 1871 (J. MacFadyen)

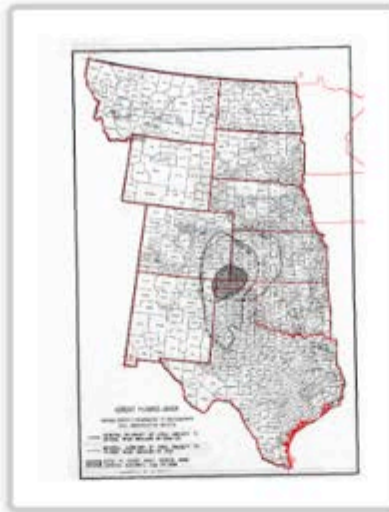
For an overview of the methodology see Ian Gregory, [A Place in History: A Guide to Using GIS in Historical Research](#) (2002). For an example of a historian using HGIS to provide a new analysis of a major historical event, see Geoff Cunfer, [“Scaling the Dust Bowl”](#).

Programming Historian Lessons (using free or open source software):

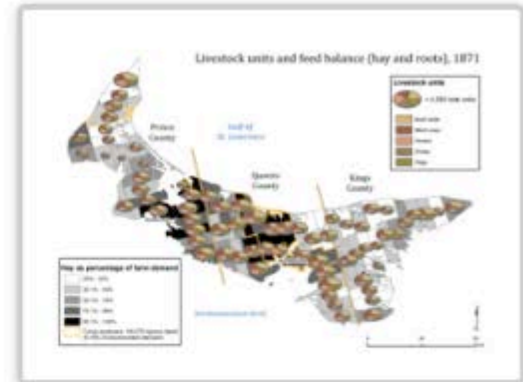
- [Lesson 1: Google Map Engine Lite and Google Earth](#) { **Currently out of date** }
 - [Lesson 2: Installing QGIS and Adding Layers](#)
 - [Lesson 3: Creating New Vector Layers](#)
 - [Lesson 4: Georeferencing](#)
- { **Required revisions immediately after launch** }



Great Plains Red Wheat Map



Georeferenced Historical Map



Livestock and feed in Prince Edward Island, 1871 (J. MacFadyen)

The following lessons are being prepared for open peer review. They will be published on the [Digital Tools](#) page of the NiCHE website after the pass peer review. Please use the comments to make suggestions for improvements.

- [ArcGIS Lesson 1: Mapping Great Plains Population](#)
- [ArcGIS Lesson 2: Mapping Great Plains Agriculture](#)
- [ArcGIS Lesson 3: Georeferencing Maps](#)
- [ArcGIS Lesson 4: Digitizing Archival Maps](#)
- [ArcGIS Lesson 5: Overlay and Spatial Analysis](#)

Installing QGIS

Navigate to the [QGIS Download page](#). The procedure is a little different depending on your operating system. Click on the appropriate Operating System. Follow the instructions below.

Mac Instructions

- For most people it will be best to choose Master release (the one that has a single installer package). You will still need to install other software packages before installing QGIS. Under 4.2, click on the link ([KyngChaos Qgis download page](#)) and download the following two files (see screen shot below): 1) GDAL complete 1.10 framework package (under Requirements) and 2) QGIS 2.0.1 (under Download) for your respective Mac OS (this works with Lion, Mountain Lion, and Snow Leopard – no word yet on using it with the forthcoming Mavericks). Install these like any other Mac programs.



Prince Edward Island Data

We will be using some government data from the Canadian province of Prince Edward Island. PEI is a great example because there is a lot of data for free online and because it is Canada's smallest province, making the downloads quick!

Download PEI shapefiles:

- Navigate to the links below in your web browser, read/accept the license agreement, and then download the following (they will ask for your name and email with each download). We created the final two shapefiles, so they should download directly:

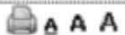
1. http://www.gov.pe.ca/gis/license_agreement.php3?name=coastline&file_format=SHP
2. http://www.gov.pe.ca/gis/license_agreement.php3?name=lot_town&file_format=SHP
3. http://www.gov.pe.ca/gis/license_agreement.php3?name=hydronetwork&file_format=SHP
4. http://www.gov.pe.ca/gis/license_agreement.php3?name=forest_35&file_format=SHP
5. http://www.gov.pe.ca/gis/license_agreement.php3?name=nat_parks&file_format=SHP
6. [PEI Highways](#) (alternate Tar file)
7. [PEI Places](#) (alternate Tar file)



The Government of PRINCE EDWARD ISLAND

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GIS Data Layers

[HOME](#) /

Downloading Instructions

- Click Download File:... and choose a directory and file name for the file.

File Information

Filename	Map File Owner	File Size (in bytes)	Last Modified
coastline	Department of Provincial Treasury	6722240	2013-10-08 01:10:56
Contains these files	coastline_polygon.shx	1660	2013-10-07 05:31:46
	coastline_polygon.prj	432	2013-10-07 05:31:44
	coastline_polygon.shp	24234784	2013-10-07 05:31:46
	coastline_polygon.dbf	456	2013-10-07 05:31:44

This file is a ESRI EXPORT (SHP)

File:Coastline

[Download File](#)

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HGIS Course Project

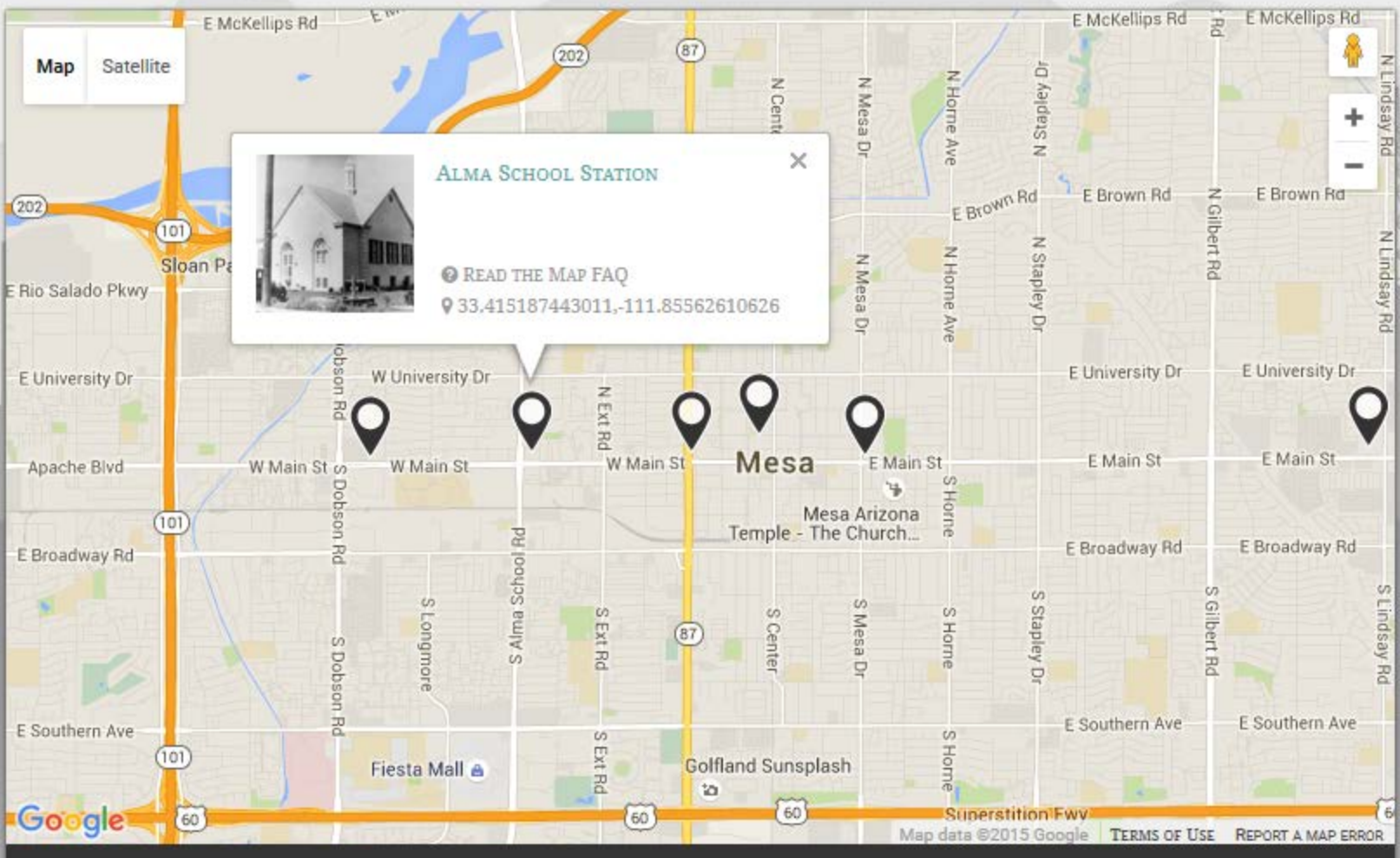





MESA

HOME STORIES TOURS ABOUT

Map Satellite




ALMA SCHOOL STATION



READ THE MAP FAQ

33.415187443011,-111.85562610626



Google

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ALMA SCHOOL STATION

BY THE MESA PRESERVATION FOUNDATION, JAY MARK & MARK TEBEAU

Settled by Mormon pioneers in 1880, “Stringtown” emerged as one of Mesa’s earliest settlements—a linear district running south for a couple of miles along present-day Alma School Road.

Settlers dug an extension of the Mesa Canal canal bringing Salt River water to their farms. In 1883 they connected to a second irrigation channel – the Utah Extension Canal, which conveyed water from the Lehi community north of McKellips Road up onto the mesa.

Over the years, cottonwood trees proliferated, growing tall along these waterways. Known in Spanish as “álamo,” these trees gave rise to the name Alamo Avenue, which by 1884 had been renamed Alma Avenue for a Mormon prophet. Today the street is called Alma School Road. None of the dwellings from the settlement period survived waves of urban development, but traces of the growth can be seen in the nearby Landmark Restaurant.

Alma Ward Church

The Mission-style Alma Ward Church was constructed by the Mormon community along Alma School Road in 1908 with bricks made on-site, the church congregation existed over 25 years. A growing congregation resulted in the 1908 Alma Ward Church’s substantial expansion in 1937 – an east-west addition appended to the north face of the original building enclosing the earlier entrance into the interior of

Of Food and Deserts

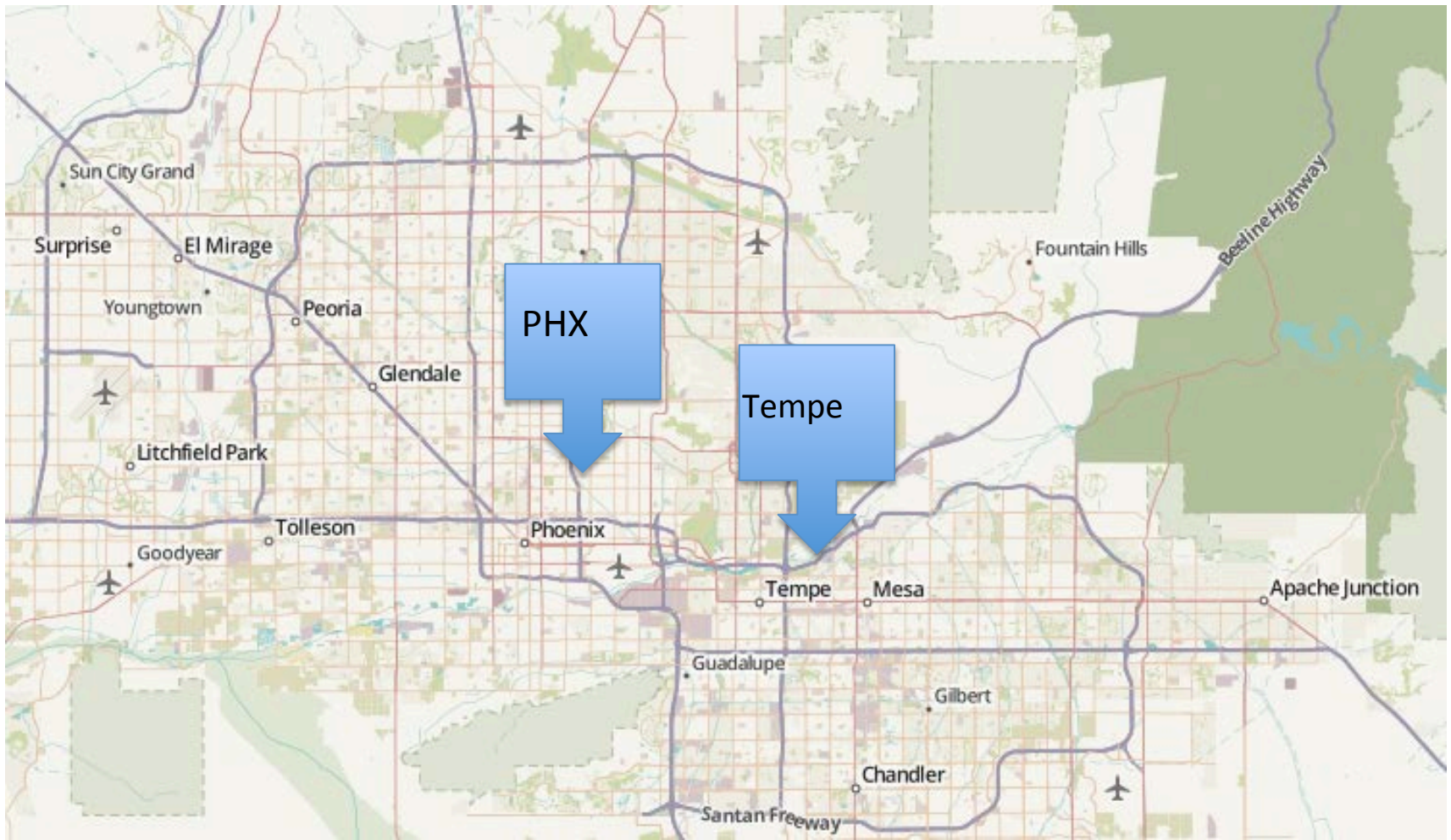
Course Project

- Rebuilding lost neighborhoods in the Salt River Valley



HGIS Course Project

- Phoenix Indian School
- Lost barrios, Tempe



Prince Edward Island Canada

Where is Prince Edward Island?



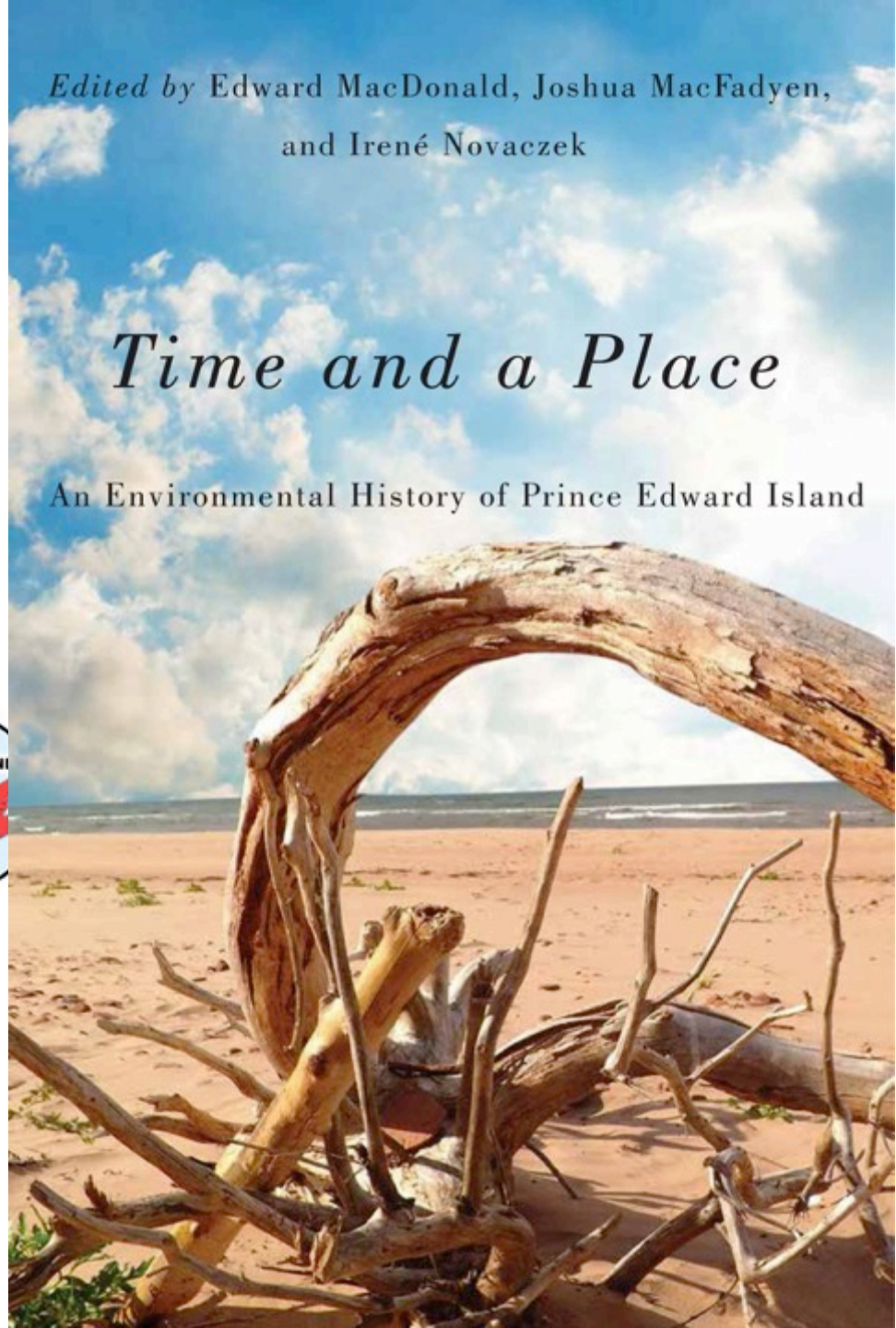
Time and a Place

McGill-Queens U Press, June 2016

*Edited by Edward MacDonald, Joshua MacFadyen,
and Irené Novaczek*

Time and a Place

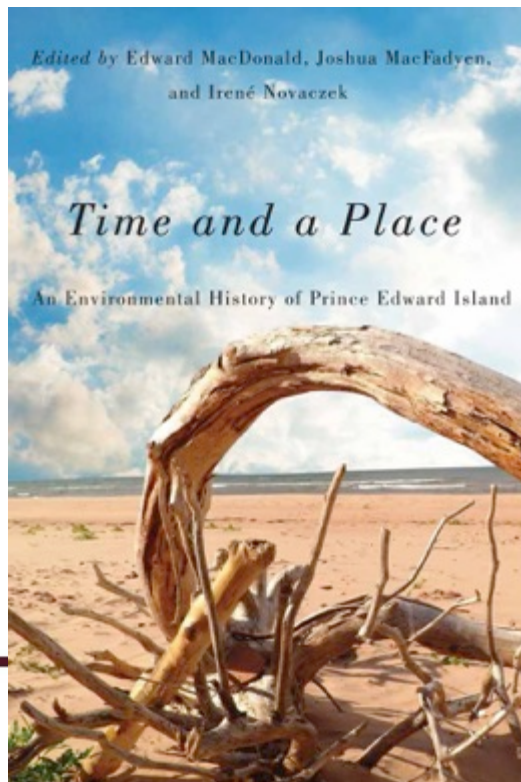
An Environmental History of Prince Edward Island





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Co-Editor
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McGill-Queens U Press, June 2016