Title: Create time layered map in Tour Builder

Date: 9th October 2020

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Purpose: Outlines the process in Tour Builder to create an interactive time layered map for demonstrating John Forrest's first exploration into interior Western Australia. The data is provided in Excel sheet format which is the annotation results from John Forrest's book *Explorations in Australia* using annotation tool Recogito/TMT developed by TLCMap project.

Tags: TLCMap, time layered map, TimeMapper

https://tourbuilder.withgoogle.com/builder#play/ahJzfmd3ZWItdG91cmJ1aWxkZXJyEQsSBFRvdXIYgIDggrbS1QkM

1. Introduce Tour Builder

Tour Builder is a free web-based tool provided by Google that lets you easily create time maps by adding texts, photos and videos to a sequence of locations on Earth, and then share with other people. A time map created with Tour Builder has three major components. First component is the main window which shows a geomap (right hand side of the above figure). Next to it is the text window where texts, images and other media can be displayed. The left side of the figure is the last component, the timeline. The three components are inter-related, actions on any component will lead to the reactions on other two components. For example, click on any location icon on the geomap, the timeline and the text window will change to the content relevant to the location.

2. Get started with Tour Builder

2.1 Click on the link here to go to the Tour Builder website. And click on the red CREATE A TOUR button to start creating a tour. You will need a Google account to login.

2.2 Enter a tour name and author name, then hit **Create Tour** in the pop-up window.

2.3 First page is an introduction about the expedition. The TOUR NAME and AUTHOR NAME fields have been populated based on the input in the last step.

2.4 Under the SELECT AN INTRODUCTION PICTURE, click on **Add a Photo**, and then hit **Upload photos** tab in the pop-up window to select the **John Forrest.jpg** from your local tutorial folder.

2.5 John Forrest's portrait is loaded into the field. Then click on the pencil icon to add a caption for the image.

2.6 Add a brief introduction about the expedition. Put the following text into the TELL THE STORY field:

JOURNAL OF PROCEEDINGS OF AN EXPLORING EXPEDITION IN SEARCH OF THE REMAINS OF THE LATE DR. LEICHARDT AND PARTY, UNDERTAKEN BY ORDER OF THE GOVERNMENT OF WESTERN AUSTRALIA, BY JOHN FORREST, GOVERNMENT SURVEYOR.

2.7 keep other default settings.

3. Add locations to the expedition.

3.1 Click on the blue botton

to start adding in location. Open the data file *Explorations in Australia.xlsx* in your local tutorial folder. Copy the *Location* column in the first row and paste into Start typing a location field then hit **Enter**. A location icon is created, then hit the blue button **Add to Tour**.

QUOTE_TRANSCRIPTION	VOCAB_LABEL	LAT	LNG	Location	TAGS
Newcastle	Newcastle Bridge	-31.54917	116.4625	-31.54917,116.4625	17/04/1869
Mombekine	Moombekine	-31.42376	116.6848	-31.42376,116.6848	19/04/1869
Goomalling	Goomalling, Shire Of	-31.29987	116.8312	-31.29987,116.8312	20/04/1869
Walyamurra Lake	Walyormouring Lake	-31.14904	116.8734	-31.14904,116.8734	21/04/1869
Kombekine Lake	Lake Koombekine	-31.0832	116.9909	-31.0832,116.9909	21/04/1869
Naaning	Naaning Well	-31.1807	117.1817	-31.1807,117.1817	22/04/1869

3.2 A location icon will be created on the geomap and attribute fields for the location are activate. You can start adding in the attributes.

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1) Use the value of *QUOTE_TRANSCRIPTION* column (place name quoted from original text) to fill in the LOCATION NAME field; followed by the value of *VOCAB_LABEL* column (place name in gazetteer) with a bracket if they are different. Enter the day info in the LOCATION NAME field as well (optional).
2) Use the date info in the *TAGS* column to set the START DATE. END DATE value is optional.
3) Go to the journal website to copy the original journal texts that related to the location and the date into the INTRODUCTION field.
4) Click on **Change Icon** and select a location icon you prefer.

3.4 Once happy with all the attributes, click on + Add Location to add in another location. Repeat step 3.1 to step 3.3.

3.5 Continue until you add in the whole journey. Then click on Done Editing in the top right corner to save you work.

Note: *GoogleSpreadsheet.xlsx* file also includes all the information needed for attribute inputs.