Enhancing CONTENTdm With the Power of Fusion

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Lethbridge Landmarks

What are Fusion Tables?

Fusion Tables + CONTENTdm

Other applications

Limitations
Lethbridge Landmarks

What are Fusion Tables?

Fusion Tables + CONTENTdm

Other applications

Limitations
Lethbridge, Alberta
Lethbridge Landmarks City Photo Collection

Lethbridge Airport Industrial Park - North-East Elevation

About this collection
The photographs and descriptions that comprise the Lethbridge Landmarks Photograph Collection were digitized from the original photographic inventory entitled "Lethbridge Public Library Photographic Inventory Project: City of Lethbridge, Initial Settlement - 1940 Buildings, Structures, Sites" which is housed within the Senator Buchanan Room at the main branch of the Library.

This 8-volume inventory was created by Anne Pariseau on behalf of the Lethbridge Public Library between June and September 1998 to celebrate the Province of Alberta's 70th anniversary. It contains approximately 1600 photographs and background information for more than 800 buildings, structures and sites within the City of Lethbridge. Its contents provide a valuable and detailed record of the physical form of the City of Lethbridge as it existed in 1940.

Browse these suggested topics
- Banks (5)
- Churches (5)
- College (13)
- Commercial Buildings (63)
- Government Buildings (140)
- Hospitals (15)
- Hotels (35)
- Jails (41)
- Libraries (18)
- Parks (53)
- Railways Buildings (27)
- Schools (77)
- Theatres (15)
- Universities (10)
Ah, the 1980’s...

<table>
<thead>
<tr>
<th>Title</th>
<th>Views of Post-Office &amp; Federal Building - southwest corner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject</td>
<td>Historic buildings--Alberta--Lethbridge</td>
</tr>
<tr>
<td></td>
<td>Buildings--Alberta--Lethbridge</td>
</tr>
<tr>
<td>Date, Original Photograph</td>
<td>1980-06-09</td>
</tr>
<tr>
<td>Location</td>
<td>Lethbridge (Alta.)</td>
</tr>
<tr>
<td>Street</td>
<td>Fourth Avenue South (Lethbridge, Alta.)</td>
</tr>
<tr>
<td></td>
<td>4th Avenue South (Lethbridge, Alta.)</td>
</tr>
<tr>
<td></td>
<td>Seventh Street South (Lethbridge, Alta.)</td>
</tr>
<tr>
<td></td>
<td>7th Street South (Lethbridge, Alta.)</td>
</tr>
<tr>
<td>Address</td>
<td>4 Ave. S. 7 St. G.</td>
</tr>
<tr>
<td>Description</td>
<td>View of the downtown post office/federal building from the south-west corner.</td>
</tr>
</tbody>
</table>
Ah, the 1980’s...
Ah, the 1980's...
Ah, the 1980’s...
Ah, the 1980’s...
Ah, the 1980’s...
Ah, the 1980’s...
Lethbridge Landmarks

What are Fusion Tables?

Fusion Tables + CONTENTdm

Other applications

Limitations
Google Fusion Tables
Tabular data
<table>
<thead>
<tr>
<th>Name</th>
<th>Age</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scott Pilgrim</td>
<td>23</td>
<td>Toronto, ON</td>
</tr>
<tr>
<td>Ramona Flowers</td>
<td>24</td>
<td>Toronto, ON</td>
</tr>
<tr>
<td>Stephen Stills</td>
<td>22</td>
<td>Toronto, ON</td>
</tr>
<tr>
<td>Knives Chau</td>
<td>17</td>
<td>Toronto, ON</td>
</tr>
</tbody>
</table>
Name | Age | Address
--- | --- | ---
Scott Pilgrim | 23 | Toronto, ON
Ramona Flowers | 24 | Toronto, ON
Stephen Stills | 22 | Toronto, ON
Knives Chau | 17 | Toronto, ON

(43.667272, -79.378591)
google.maps.Geocoder class

A service for converting between an address and a LatLng.

Constructor

<table>
<thead>
<tr>
<th>Constructor</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geocoder()</td>
<td>Creates a new instance of a Geocoder that sends geocode requests to Google servers.</td>
</tr>
</tbody>
</table>

Methods

<table>
<thead>
<tr>
<th>Methods</th>
<th>Return Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>geocode(request: GeocoderRequest, callback: function(Array.&lt;GeocoderResult&gt;, GeocoderStatus))</td>
<td>None</td>
<td>Geocode a request.</td>
</tr>
</tbody>
</table>

google.maps.GeocoderRequest object specification

The specification for a geocoding request to be sent to the Geocoder.

Properties

<table>
<thead>
<tr>
<th>Properties</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>address</td>
<td>string</td>
<td>Address. Optional.</td>
</tr>
<tr>
<td>bounds</td>
<td>LatLngBounds</td>
<td>LatLngBounds within which to search. Optional.</td>
</tr>
<tr>
<td>location</td>
<td>LatLng</td>
<td>LatLng about which to search. Optional.</td>
</tr>
<tr>
<td>region</td>
<td>string</td>
<td>Country code used to bias the search, specified as a Unicode region subtag / CLDR identifier. Optional.</td>
</tr>
</tbody>
</table>
Lethbridge Landmarks

What are Fusion Tables?

**Fusion Tables + CONTENTdm**

Other applications

Limitations
Let’s make a Fusion Table!

1. Export data from CONTENTdm

2. Import data into Fusion Tables

3. Map the appropriate field

4. Customization
Let’s make a Fusion Table!

1. Export data from CONTENTdm
Let’s make a Fusion Table!
Let's make a Fusion Table!

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Desc</td>
<td>Date</td>
<td>Original Ph</td>
</tr>
<tr>
<td>2</td>
<td>Sick's Lethbridge Brewen Historic buildings--Al</td>
<td>6/23/1980</td>
<td>Lethbridge</td>
</tr>
<tr>
<td>3</td>
<td>De Jourdan's Studios, 10E Historic buildings--Al</td>
<td>6/24/1980</td>
<td>Lethbridge</td>
</tr>
<tr>
<td>4</td>
<td>Streetscape, Old Downto Historic buildings--Al</td>
<td>6/27/1980</td>
<td>Lethbridge</td>
</tr>
<tr>
<td>5</td>
<td>Castle Hotel at 219-221-2 Historic buildings--Al</td>
<td>6/26/1980</td>
<td>Lethbridge</td>
</tr>
<tr>
<td>6</td>
<td>Chinese Public School / N Historic buildings--Al</td>
<td>6/27/1980</td>
<td>Lethbridge</td>
</tr>
<tr>
<td>7</td>
<td>Eecol Electric (MacDonal Historic buildings--Al</td>
<td>6/27/1980</td>
<td>Lethbridge</td>
</tr>
<tr>
<td>8</td>
<td>Lethbridge Lodge Hotel, Historic buildings--Al</td>
<td>6/12/1980</td>
<td>Lethbridge</td>
</tr>
<tr>
<td>9</td>
<td>Lethbridge Municipal Ho: Historic buildings--Al</td>
<td>8/6/1980</td>
<td>Lethbridge</td>
</tr>
<tr>
<td>10</td>
<td>Bigelow Fowler Clinic - Sc Historic buildings--Al</td>
<td>8/6/1980</td>
<td>Lethbridge</td>
</tr>
<tr>
<td>11</td>
<td>Sea Cadet's Hall and Nav Historic buildings--Al</td>
<td>8/6/1980</td>
<td>Lethbridge</td>
</tr>
<tr>
<td>12</td>
<td>Canadian Pacific Railway Historic buildings--Al</td>
<td>9/9/1980</td>
<td>Lethbridge</td>
</tr>
<tr>
<td>13</td>
<td>Henderson Park Historic buildings--Al</td>
<td>9/12/1980</td>
<td>Lethbridge</td>
</tr>
<tr>
<td>14</td>
<td>Nikko Yuka Japanese Gar Historic buildings--Al</td>
<td>9/12/1980</td>
<td>Lethbridge</td>
</tr>
</tbody>
</table>
Let’s make a Fusion Table!

2. Import data into Fusion Tables
Let’s make a Fusion Table!
Let’s make a Fusion Table!

- Edit the file (every time you export)
- Clean up metadata in CONTENTdm
- Write a script to correct the file
Let’s make a Fusion Table!

<table>
<thead>
<tr>
<th>Name</th>
<th>Desc</th>
<th>Date Original Photograph</th>
<th>City</th>
<th>Street</th>
<th>Address</th>
<th>Lot-Block-Plan</th>
<th>Description</th>
<th>Title</th>
<th>Subject</th>
<th>Building Type</th>
</tr>
</thead>
</table>
Let’s make a Fusion Table!
Let’s make a Fusion Table!

3. Map the appropriate field
Let’s make a Fusion Table!
Let’s make a Fusion Table!

<table>
<thead>
<tr>
<th>Change column</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Address</td>
</tr>
<tr>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>Location</td>
</tr>
<tr>
<td></td>
<td>Two column location</td>
</tr>
<tr>
<td>Latitude</td>
<td>Address</td>
</tr>
<tr>
<td>Longitude</td>
<td>Lot-Block-Plan</td>
</tr>
<tr>
<td>Format</td>
<td>None</td>
</tr>
<tr>
<td>Graph predicate</td>
<td>Learn more</td>
</tr>
</tbody>
</table>
Let’s make a Fusion Table!

Done...?
Let’s make a Fusion Table!

4. Customization
Let’s make a Fusion Table!

<table>
<thead>
<tr>
<th>Date uploaded</th>
<th>Date scanned</th>
<th>URL</th>
<th>ID</th>
<th>Im...</th>
<th>Thumbnail</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Menu options: Change... Find... Hide Sort A to Z Sort Z to A]
Let’s make a Fusion Table!

<table>
<thead>
<tr>
<th>Change column</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Name</strong></td>
<td>Thumbnail</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Text</td>
</tr>
<tr>
<td><strong>Format</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Graph predicate</strong></td>
<td>Learn more</td>
</tr>
<tr>
<td><strong>Data entry</strong></td>
<td>Learn more</td>
</tr>
<tr>
<td><strong>List of drop-down items</strong></td>
<td></td>
</tr>
</tbody>
</table>

- None
- Highlight untyped cells
- Link
  - Single line image
  - Four line image
  - Eight line image
  - YouTube, Vimeo, or Google Map
  - JSON text
Let’s make a Fusion Table!

Configure map

Location: Address

Feature map

- Change feature style...
- Change info window...

Heatmap

Change info window layout

- Automatic
- Custom

Select the columns to include in your map’s info window.

- Contributors
- Type
- Source Collection
- Source Location
- Language
- Negative Number (LPL)
- Other
- Terms and Conditions
- Other 2
- Date uploaded
- Date scanned
- URL
- ID
- Image
- Thumbnail

Save  Cancel
Let’s make a Fusion Table!
Let’s make a Fusion Table!
Let’s make a Fusion Table!
Finding a home for your Fusion Table
Finding a home for your Fusion Table

Publish

This table is private and will not be visible. Change visibility

Send a link in email or IM

https://www.google.com/fusiontables/embedviz?q=select+col5+from+1dOYEFNwj1ccUZif

Paste HTML to embed in a website

<iframe width="500" height="300" scrolling="no" frameborder="no" src="https://www.google.com/fusiontables/iframeviz?q=select+col5+from+1dOYEFNwj1ccUZif"></iframe>

Width 500 Height 300

Get HTML and JavaScript

This code uses the Google Maps API. Learn more

```
<!DOCTYPE html>
<html>
<head>
    <meta name="viewport"></head>
    <meta name="viewport">
    <title>export - Google Fusion Tables</title>
    <style type="text/css">
        html, body, #google-mapCanvas {
            height: 300px;
            margin: 0;
            padding: 0;
            width: 500px;
        }
    </style>
    <script type="text/javascript" src="https://maps.google.com/maps/api/js?sensor=false&v=3"></script>
```
Finding a home for your Fusion Table

Sharing settings

Link to share (only accessible by collaborators)
https://www.google.com/fusiontables/DataSource?docid=1dOYEFNw1ccU2IR-Yhe4K

Share link via: 💌 ✉️ ✤ ✪ ✪

Who has access

🔒 Private - Only you can access

Library University of Lethbridge (you) ✪ Is owner

Invite people:
Enter names or email addresses...

Editors will be allowed to add people and change the permissions. [Change]

Done
Finding a home for your Fusion Table

Publish

Send a link in email or IM

https://www.google.com/fusiontables/embedviz?q=select+col5+from+14kk5S17JT7xQke9

Paste HTML to embed in a website

<iframe width="500" height="300" scrolling="no" frameborder="no" src="https://www.google.com/fusiontables/embedviz?q=select+col5+from+14kk5S17JT7xQke9"></iframe>

Width 500 Height 300

Get HTML and JavaScript

This code uses the Google Maps API - Learn more

```html
<!DOCTYPE html>
<html>
<head>
<meta name="viewport"/>
<title>Lethbridge Landmarks City Photo Collection - Google Fusion Tables</title>
<style type="text/css">
html, body, #google-mapCanvas {
height: 300px;
margin: 0;
padding: 0;
width: 500px;
}
</style>

<script type="text/javascript" src="https://maps.googleapis.com/maps/api/js?sensor=false"></script>
```
Finding a home for your Fusion Table

Website Configuration Tool

Edit configurations for a specific collection by selecting the collection name from the dropdown list. By default, all collections will inherit the global settings.

Editing collection: Lethbridge Landmarks City Photo Collection

Configuring Collection Settings

You are now editing configurations for: Lethbridge Landmarks City Photo Collection

Use the settings to the left for more control. You can also save, preview, and publish from individual settings pages.
Finding a home for your Fusion Table

Make sure to replace the bold text with the embed code for your Fusion Table.
Finding a home for your Fusion Table
New hotness!
Finding a home for your Fusion Table
Individual map pages

Make sure to replace the bold text with the embed code for your Fusion Table

```javascript
var splitURL = window.location.href.toString().split('/');
var idIndex = splitURL.indexOf('id');
if(idIndex > -1 && splitURL[idIndex + 1]){
  $('#detailsAccordion tr:last-child').after("<tr><td>Map</td><td><div id='small_map_container'></div></td></tr>");

  $('.showHideMap').click(function(){
    $('#small_map_container').toggle('slow');
  });

  $('#small_map_container').append('<center><iframe width="800" height="450" scrolling="no" frameborder="no" src="https://www.google.com/fusiontables/embedviz?viz=MAP&q=select+col5+from+14kk5S17JT7xQke9xLOMbrXorEjuD5j_I6u9fg8+where+&apos;CONTENTdm+number&apos;=' + splitURL[idIndex + 1] + '&amp;h=false&amp;lat=49.69051&amp;lng=-112.820492&amp;z=12&amp;t=1&amp;l=col5&amp;y=2&amp;tmplt=2"></iframe></center>');
}
```
Other CONTENTdm uses

Large map page
Lethbridge Landmarks

What are Fusion Tables?

Fusion Tables + CONTENTdm

Other applications

Limitations
Other Fusion Tables uses

You may need to add the following CSS:

```css
#googft-mapCanvas img {
  max-width: none;
}
```
Other Fusion Tables uses LibGuides
### Lethbridge, Alberta

#### Historical Newspapers

<table>
<thead>
<tr>
<th>Newspaper Title</th>
<th>Town/City</th>
<th>URL</th>
<th>Years Available Online</th>
<th>Source</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lethbridge Herald</td>
<td>Lethbridge, Alberta</td>
<td><a href="http://www.ourfutureplace=Lethbridge&amp;Sub=">http://www.ourfutureplace=Lethbridge&amp;Sub=</a></td>
<td>1905-1924</td>
<td>Early Alberta Newspapers Collection</td>
<td></td>
</tr>
<tr>
<td>Meliorist</td>
<td>Lethbridge, Alberta</td>
<td><a href="http://digitallibrary.ule.ca">http://digitallibrary.ule.ca</a></td>
<td>1967+</td>
<td>University of Lethbridge Archives</td>
<td></td>
</tr>
<tr>
<td>Lethbridge Telegram</td>
<td>Lethbridge, Alberta</td>
<td><a href="http://digitallibrary.ule.ca">http://digitallibrary.ule.ca</a></td>
<td>1914-1917</td>
<td>Early Alberta Newspapers Collection</td>
<td></td>
</tr>
<tr>
<td>University of Lethbridge</td>
<td>Lethbridge, Alberta</td>
<td><a href="http://digitallibrary.ule.ca">http://digitallibrary.ule.ca</a></td>
<td>1914-1937</td>
<td>University of Lethbridge Archives</td>
<td></td>
</tr>
</tbody>
</table>
Other Fusion Tables uses

- Website
- Blog
- Mobile app

Anywhere that you can insert some Javascript (Probably not Facebook)
Other Fusion Tables uses

<table>
<thead>
<tr>
<th>Name</th>
<th>Age</th>
<th>Address</th>
</tr>
</thead>
<tbody>
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<td>17</td>
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</tr>
</tbody>
</table>
Lethbridge Landmarks

What are Fusion Tables?

Fusion Tables + CONTENTdm

Other applications

Limitations
Limitations

Geocoding isn’t perfect!
## Limitations

Data aren’t perfect!
Limitations

What if we want to customize...

- Marker clustering
- Marker icons
- Marker positioning

This is where we run into problems with Fusion Tables
Limitations

**google.maps.Geocoder class**

A service for converting an address to a **Latitude**.

**Constructor**

<table>
<thead>
<tr>
<th>Constructor</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Geocoder()</td>
<td>Creates a new instance of a Geocoder that sends geocode requests to Google servers.</td>
</tr>
</tbody>
</table>

**Methods**

<table>
<thead>
<tr>
<th>Methods</th>
<th>Return Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>geocode(request: GeocoderRequest, callback: function(Array.GeocoderResult, GeocoderStatus))</td>
<td>None</td>
<td>Geocode a request</td>
</tr>
</tbody>
</table>

**google.maps.GeocoderRequest object specification**

The specification for a geocoding request to be sent to the Geocoder.

**Properties**

<table>
<thead>
<tr>
<th>Properties</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>address</td>
<td>string</td>
<td>Address, Optional</td>
</tr>
<tr>
<td>bounds</td>
<td>LatLngBounds</td>
<td>LatLngBounds within which to search.</td>
</tr>
<tr>
<td>location</td>
<td>LatLng</td>
<td>LatLng about which to search. Optional</td>
</tr>
<tr>
<td>region</td>
<td>string</td>
<td>Country code used to bias the search results.</td>
</tr>
</tbody>
</table>
Limitations

All points are part of a layer – you can’t access their individual properties!
Advantages

**Embeddable** – put it (almost) anywhere

**Engaging** – drives visitors to your collection

**Flexible** – works with any tabular data

**Powerful** – adds a whole new dimension of searchability

**Free**

**Easy (relatively)**
Thank you!

Links

Lethbridge Landmarks City Photo Collection
Southern Alberta Historical Newspapers Map

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