Ontario Public Services- Ministry of Natural Resources and Forestry Experiences
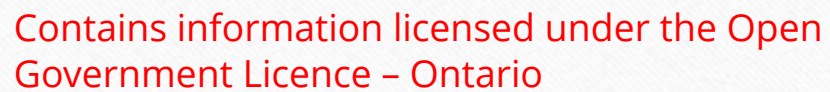
I have created slides on the work done by me during my internship as the activities Contain information licensed under the Open Government Licence – Ontario

Aggregate Program

- **Project Overview:**
  - I worked on the Aggregate Program focused on geospatial data management for aggregate pits and quarries across Ontario, specifically in the Aylmer-Guelph District (approximately 800 active Aggregate Sites).

- **Tasks & Responsibilities:**
  - **Georeferencing Site Plans:** I was tasked with georeferencing site plans, which involved aligning and overlaying scanned site plans onto spatially referenced LIO (Land Information Ontario) basemaps including aerial imagery using **ArcGIS Pro**. This step ensured that the site plans aligned properly with the licenced and extraction boundaries.
  - **Creating Extraction Layers:** I developed extraction layers for aggregate pits and quarries. This involved careful reading and interpretation of the extraction measurements and setbacks on the site plan. Furthermore, for complex aggregate sites, I used the georeferenced site plan as a guidance to digitizing and confirming the extraction limits.

Map of all the Active Aggregate Pits and Quarries in Ontario

Active Aggregate Pits and Quaries in Ontario

Licensed area in Aylmer-Guelph District with the site plan

## Licensed area in Aylmer-Guelph District without the site plan

RIAU AGOL Story Map

- **Project Overview:**
  - I worked on updating the RIAU (Regional Information Analysis Unit) Story Map to enhance its functionality and user experience by incorporating various interactive elements and detailed descriptions.

- **Tasks & Responsibilities:**
  - **Dashboards Integration:** Added interactive dashboards to the Story Map, providing users with dynamic visualizations and analytics for more insightful data exploration.
  - **Web Map Applications:** Integrated web map applications to enable users to interact with geographic data directly within the Story Map, improving accessibility and usability.
  - **Enhanced Descriptions:** Updated and enriched descriptions for all components of the Story Map, ensuring that users received clear, comprehensive information and context for each element and feature.

Snippet of the Story Map
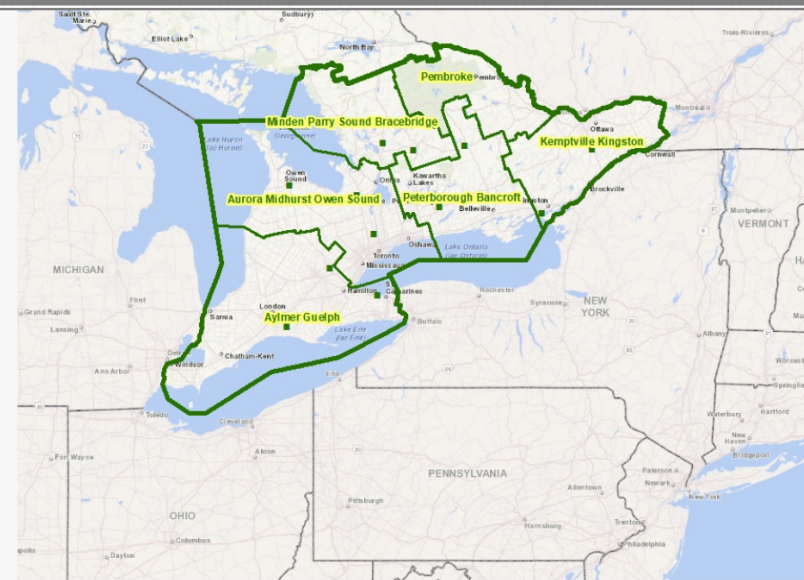
ROD GIS SITE

- **Project Overview:**
  - I focused on improving the ROD (Regional Operations Division) Sharepoint site to enhance its functionality and visual representation, making it more user-friendly and visually appealing.

- **Tasks & Responsibilities:**
  - **Functionality Improvements:** Edited and optimized website features to ensure smoother navigation, faster load times, and better overall performance, enhancing user experience.
  - **Visual Enhancements:** Revamped the website's design elements, including layout, color schemes, and typography, to create a more modern and visually engaging interface.
  - **User Experience Optimization:** Implemented design adjustments and interactive elements to improve accessibility and usability, ensuring that users could easily find and interact with relevant information.

Snippet of Sharepoint Site
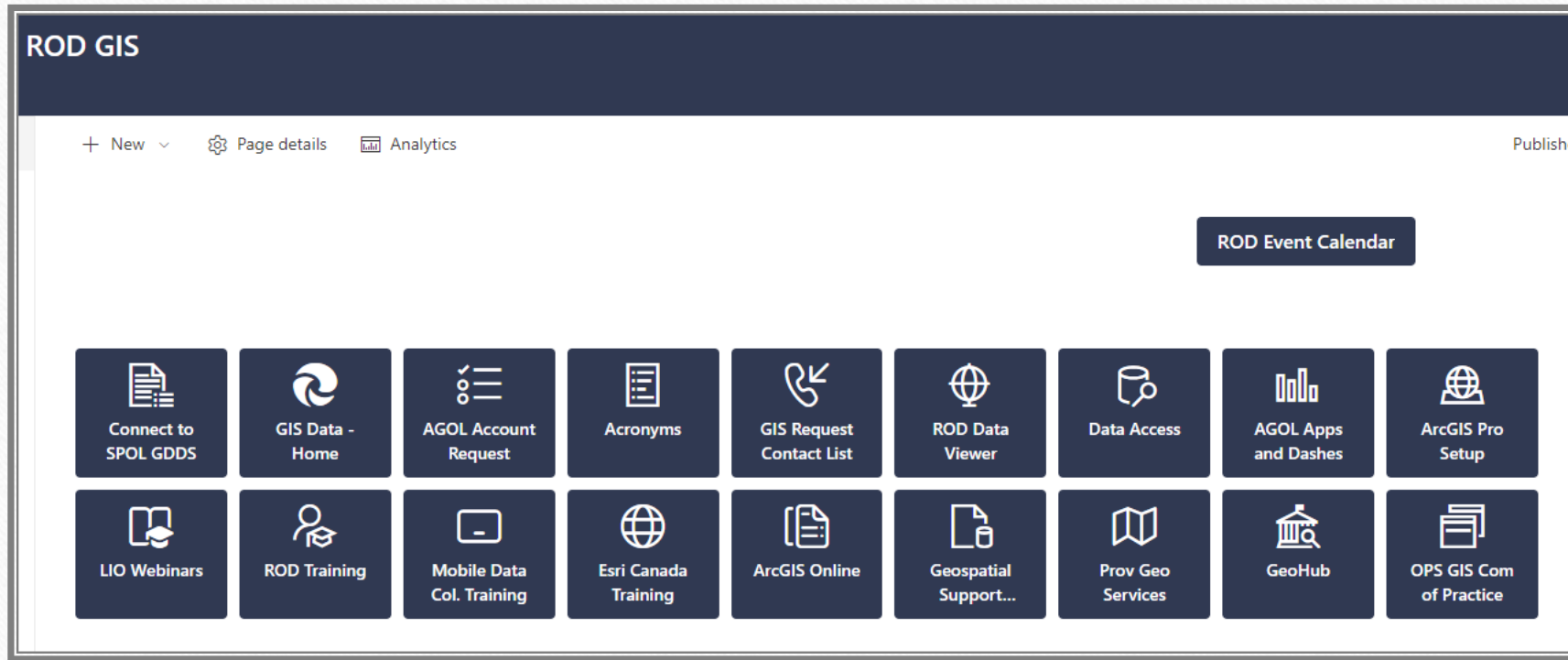
Forms Modernization

- **Project Overview:**
  - As part of the Forms Modernization initiative, I contributed to making ministry forms accessible and compliant with the Accessibility for Ontarians with Disabilities Act (AODA) standards.

- **Tasks & Responsibilities:**
  - **Prototype Development:** Assisted in developing AODA-compliant prototypes for ministry forms, including applications and licenses. Each student, including myself, updated identifying (tombstone) data across multiple forms to enhance accessibility.
  - **Collaboration & Training:** Received training and ongoing support from the DDISB forms team and worked closely with a designated buddy to ensure adherence to accessibility standards.
  - **Compliance and Accessibility:** Contributed to meeting the Ontario Digital Accessibility Standard, ensuring that all digital content aligns with accessibility requirements set for September 1, 2024.