Sept 8 2025	Today I started created a fire map using AI and ChatGPT
Sept 10 2025	I was able to finish a prototype map using a leaflet template. I was able to find some websites made by private companies that were doing the same thing I was trying to accomplish.
Sept 19 2025	I started to pivot towards another idea of doing something in fire retardants. I took time to research and add things to my area of interest and project.
Oct 1 2025	I found some cool projects all using fire retardants but I just count not find anything that did not harm people or using household items.
Oct 12 2025	I soon gave up on this idea and decided to look at different trees that would be great fire resistant and good looking. Then I researched a lot of different trees in Canada.
Oct 18 2025	I was able to find fire chart data and I got ChatGPT to interpret it. I found some really important data. Some of it included trees that are planted around the city. I also found that a lot of trees around Calgary are very flammable except for a select few like Bur Oak.
Oct 20 2025	I was able to find all these tree planting programs all cross Canada. I then researched all the trees and was able to see whether or not the programs was good or not. For most of the trees planted in Alberta, they are are good and fire resistant.
Oct 31 2025	I was able to visit Blue Grass Garden Centre where a nice guy told me a lot about different trees in Alberta Grade 1 program. This program gives grade 1’ers a free tree. I soon found that all the trees they give out are slightly fire flammable, but otherwise safe.
Nov 2 2025	I decided this was not what I wanted to research on but decided not to give up and I researched more and found out some interesting things about each type of category of trees.
Nov 8 2025	I started to look back on other ideas including my original idea of making a near real-time fire prediction map.
Nov 12 2025	I decided that I should figure out a clear and simple plan in which direction I should go as I had too much info and all of it was too broad.
Nov 18 2025	I have not decided to narrow on a project using AI as I have a lot of data including my NASA’s Canadian archive.
Nov 28 2025	I have looked into a little coding thing which uses Java and have gotten in a bit of trouble with random bugs. I have been attempting to figure it out.

Dec 6 2025	I got some bugs fixed and was having some troubles with connecting all the data together. I ran into roadblocks including problems with my where my code was trying to connect to my datasets. I decided not to do anything related to trees as there are too many programs on it. I think that I can probably use some of the info in my AI steps.
Dec 14 2025	I have been diligent and have been able to fix the majority of the bugs, but due to internal problems I have been a bit delayed in my progress and have been a bit slow.
Dec 19 2025	I have found some information, including some private documents my aunt sent me some information from a sponsored project.
Dec 23 2025	I have gone over some documents and have looked at some private code my aunt sent me. Luckily for me. It was in Java/Python and this is what I have been using. Following that, I found that it had been purposefully bugged and I found it extremely hard.
Dec 25 2025	I decided to switch my project from an experiment to a research project as I was not able to figure out coding in time.
Dec 26 2025 to Jan 25 2026	I was able to look up many studies and review articles on Machine learning and wildfire prediction.
Rough copy	Did you know that the majority of fires in Alberta are human caused? Many are accidents but due to Global warming and the increasing dry seasons and droughts fires grow more common. At times like these, fires are common. It is important to know fire safety. How we prevent and reduce the burden of forest fires has evolved with scientific discovery and better data collection by the federal government. More recent scientific findings have shown that wildfire suppression and performing controlled burns in fire-prone habitats are important measures to reduce overall wildfire intensity and frequency. However, common wildfire patterns have become more unpredictable year to year, making it more challenging to predict where to allocate resources for fire prevention, management, suppression, and control. Could Artificial Intelligence (AI) — computer systems designed to perform tasks that normally require human intelligence, such as pattern recognition, learning, and decision-making — be used to help us better predict where to focus our efforts to help control wildfires? **Hypothosis?** I believed that I would be able to make an AI predictor to help predict fires across Alberta Canada. I believed it would be easy and accessible due to the amount of data there is out there. I also believe that I can be able to predict

	with higher accuracy using a prophet model, as well as some of the most near real time data out there.