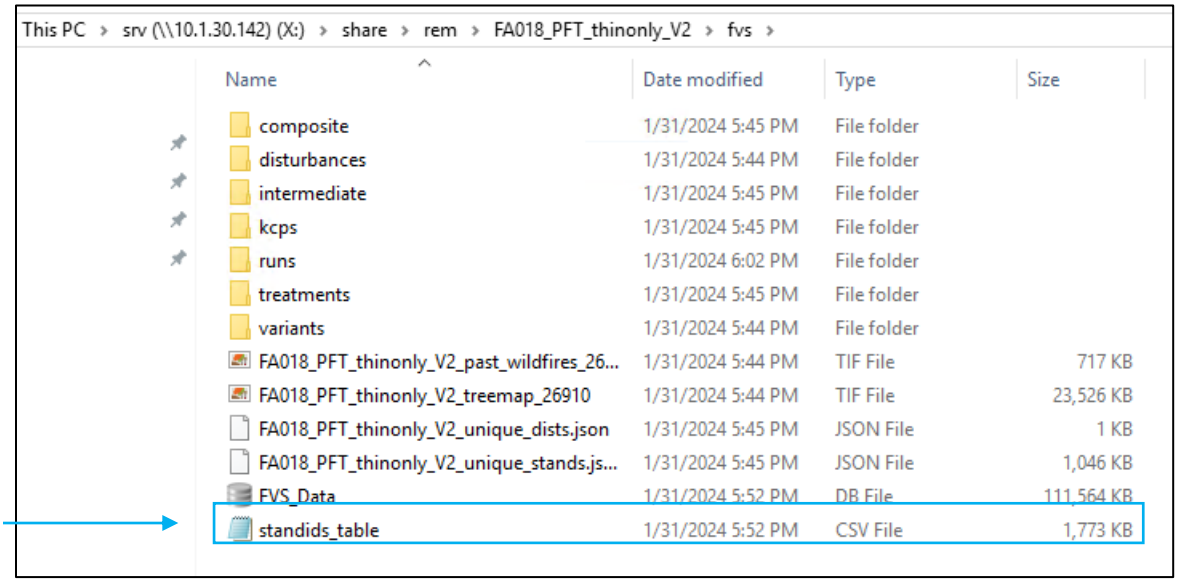
Signs that each FCAT step has completed running

Time for each step varies with size and variability of the project area and the time frame (start & end year) of the project, so it is best to use the following signs to know when each step is completed.

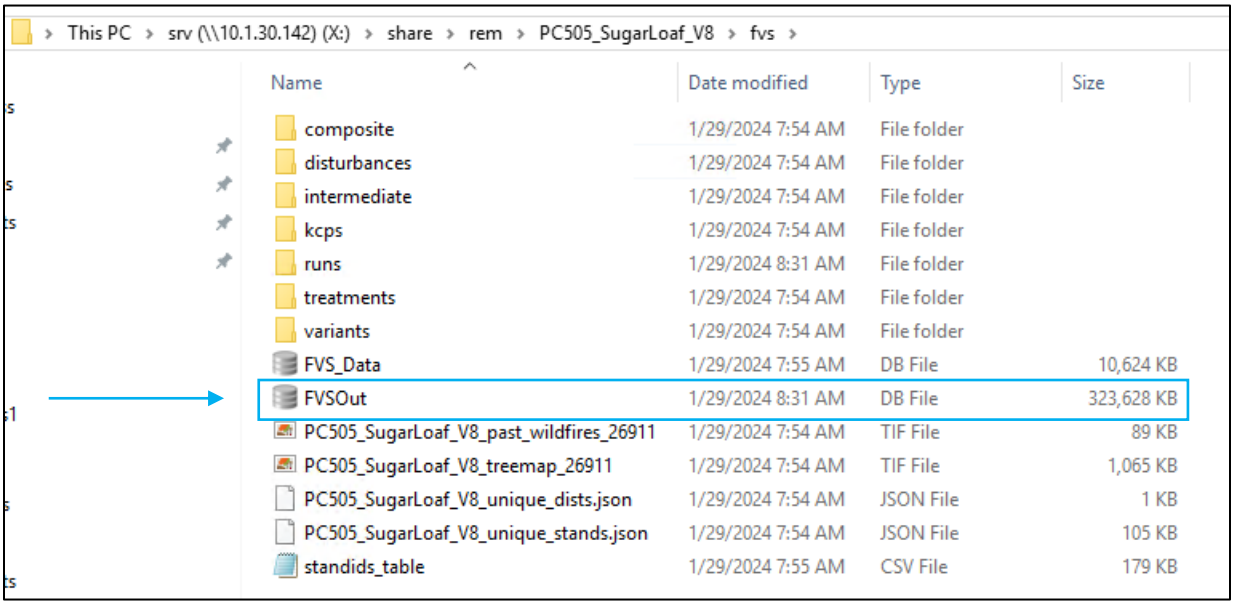
Step 1: FVS set up

- The standids_table.csv file is in the share/rem/<project_name>/fvs folder



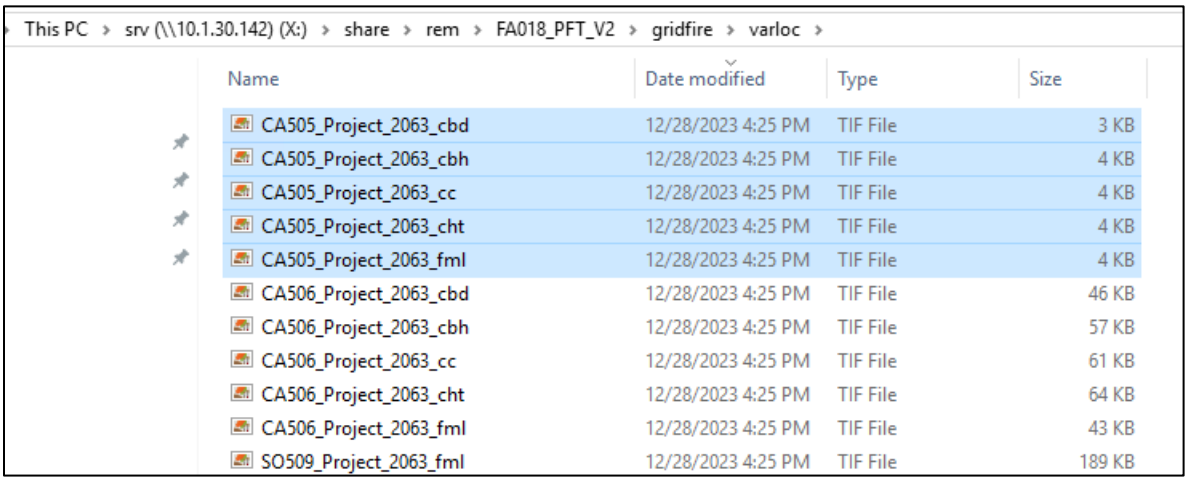
Step 2: FVS execution

- The FVSOut.db file is in the share/rem/<project_name>/fvs folder



Step 3: GridFire part 1, Fuels

- All the fuel & canopy .tif files are present in the share/rem/<project_name>/gridfire/varloc folder. There will be a set of 5 .tif files for each variant-location, for each the baseline and project, for each year GridFire is to be run. The last files to be generated in this folder will be for the 'Project' for the GridFire end year, in the example below, the final 5 files to be generated were for CA505_Project_2063_<fuel or canopy variable>.tif.

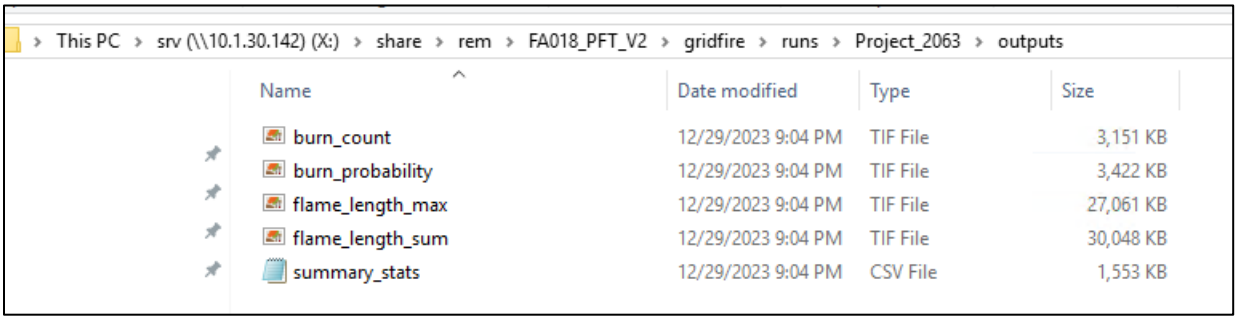


Step 4: GridFire part 2, Inputs

- In share/rem/<project_name>/gridfire/gridfire_inputs there will be a .tif of each fuel & canopy variable for each timestep for each baseline and project (90 files + the multiband folder), and a /multiband folder with a multiband .tif for each timestep for each baseline and project (18 files).

Step 5: GridFire part 3, Execution

- In share/rem/<project_name>/gridfire/runs there is a folder for each timestep for each baseline and project. In each of those folders are 2 folders labeled 'inputs' and 'outputs'. When this step is finished running there will be 5 files in each /outputs folder. The outputs for Project_<end year> will typically be the final outputs generated, monitor this folder to confirm completion.



Step 6: GridFire part 4, Outputs

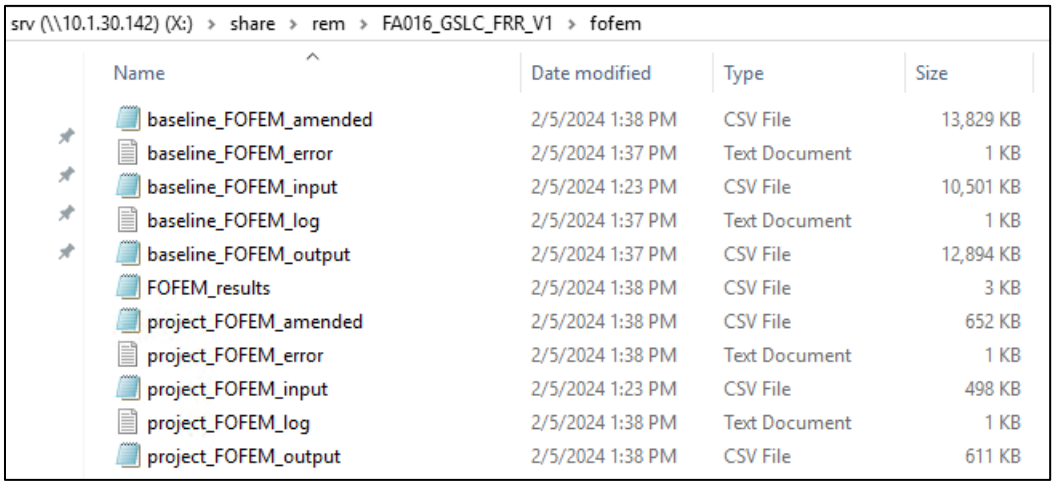
- In share/rem/<project_name>/gridfire/outputs there is a csv file titled 'average_fire_sizes' – when that file stops updating (the 'Date modified' will periodically update as this step runs). I usually give it 20-30 minutes of no updating just to be sure before proceeding to the next step.

Step 7: Carbon

- Runs fast, but still check the carbon folder for the 2 csv files 'carbon_summary_data' and 'stand_acres' AND that they are >0KB in size.

Step 8: FOFEM

- The folder fofem/ will have 11 files in it.



Step 9: Delayed Regeneration

- The 'delayed_reforestation' folder and file will appear. The file will update every 2-3 minutes. Wait until the file has not updated in at least 10-15 minutes.

Step 10: Quantification

- The 'quantification' folder will appear with these 3 files: