June 2022

******THE FOLLOWING INSTRUCTIONS ONLY APPLY TO USFS PERSONNEL******

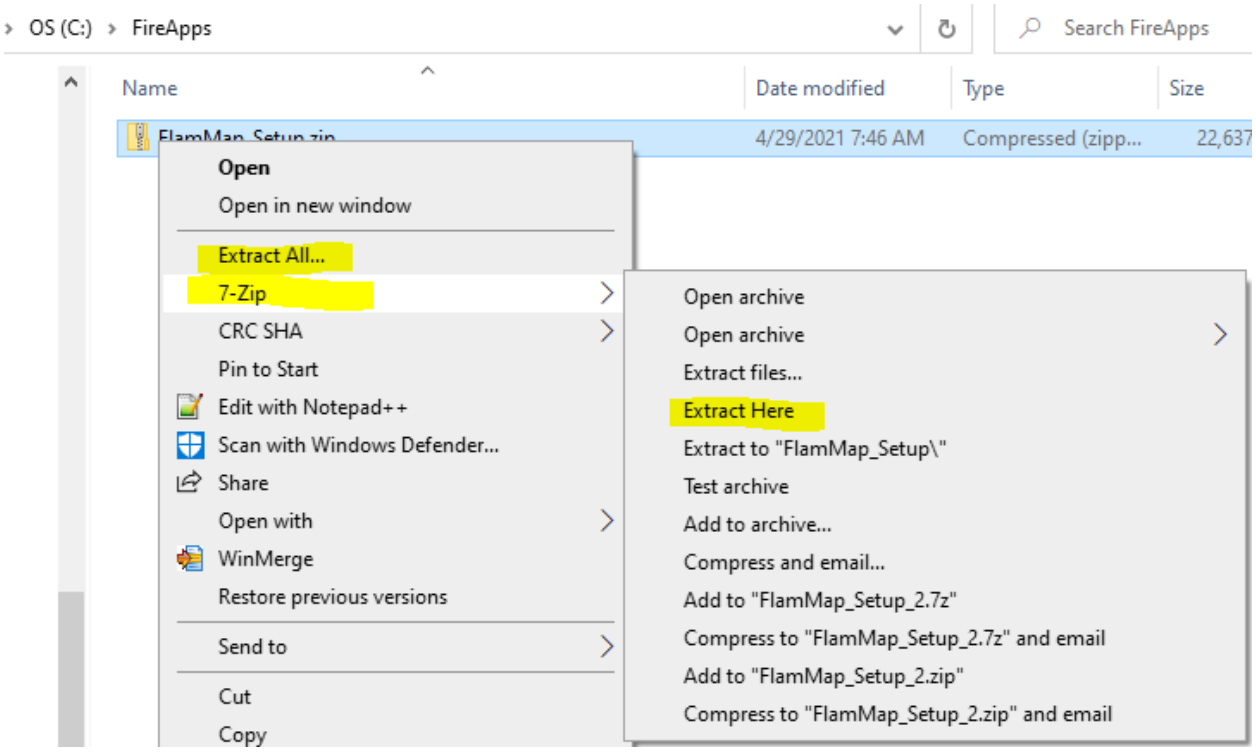
For all other users may require working with your IT and Computer support as required for software installation

Please use these installation instructions for the installation of FlamMap6 on US Forest Service Computers.

1. Create a folder directly on the C-drive called **FireApps.** The path should be **C:\FireApps**
2. Download the FlamMap6 software from the Fire Lab website to the folder you created in Step 1:
    a. Go to the FlamMap6 Downloads page on Fire Lab website
    b. Save this file to the C:\FireApps directory

    The zip file contains the FlamMap6 installation files (FlamMap_Setup.exe and FlamMap6.msi) and General Installation notes that are non USFS specific.

3. Extract the zip file to the **C:\FireApps** folder you created in Step 1. Right-click on the file and select **Extract All**…. If using **7-Zip**, select **Extract Here**



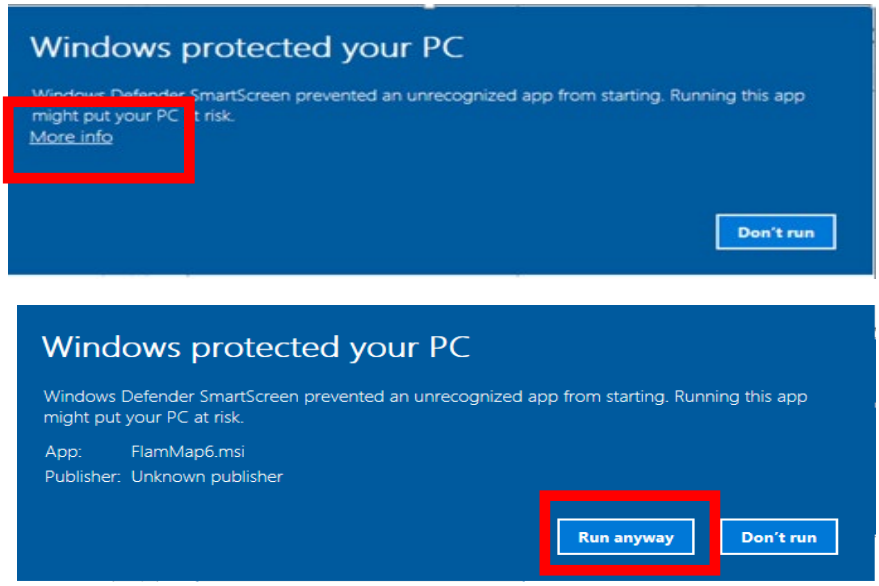
4. **IT IS CRITICAL that the FlamMap_Setup.exe and FlamMap6.msi file be under C:\FireApps if it is not the program WILL NOT INSTALL**
5. Once extracted Double-click click on the **FlamMap_Setup.exe** installation file and follow the installation prompts and accept the default installation location for FlamMap6 **(C:\Workspace\FlamMap6).**

ALWAYS install using the **FlamMap_setup.exe** file and then follow the prompts from there.

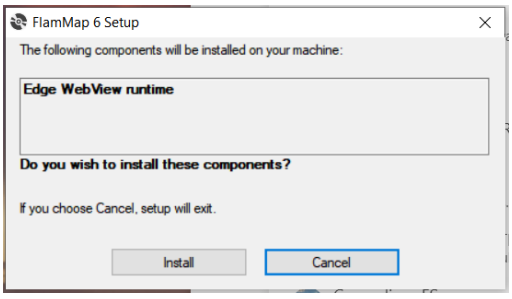
Depending on installation permissions and controls instituted by various IT departments you may be able to just Double-click on the **FlamMap_setup.exe** file and install. **It is recommended to ACCEPT THE INSTALLATION DEFAULTS.**

For USFS users please refer to the "USFS Specific Installation Document" included in the downloaded zip file.

Upon Install the following window may pop-up. Select **"More info", "Run anyway"**

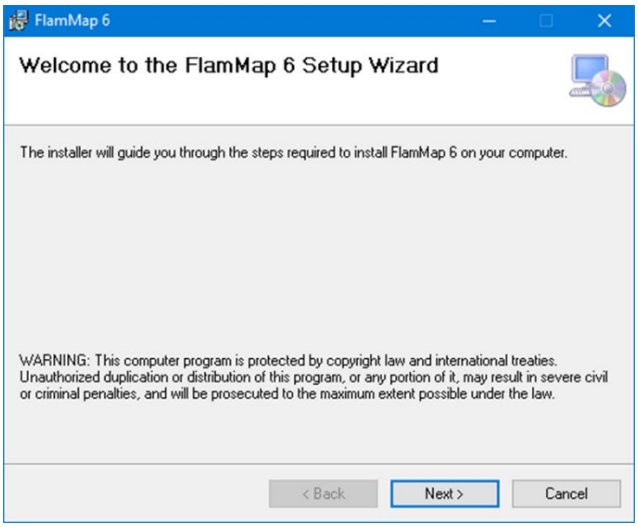


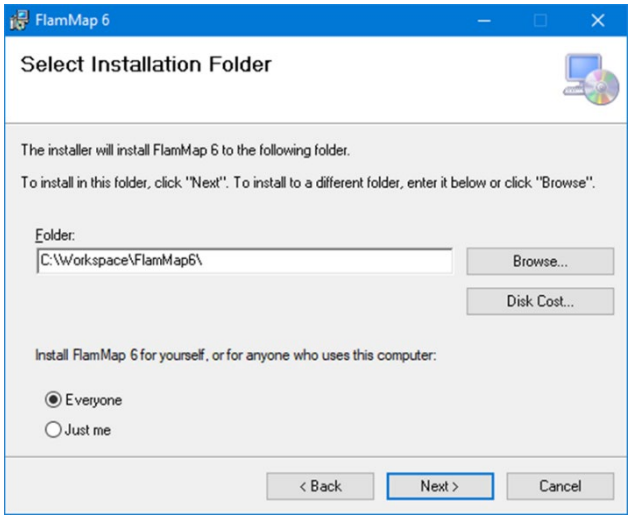
You may be asked to install Microsoft Edge WebView runtime package. If already installed on your computer, the installation package will skip this step. It should flash 2-3 install screens, then start the **FlamMap6 Setup Wizard**.

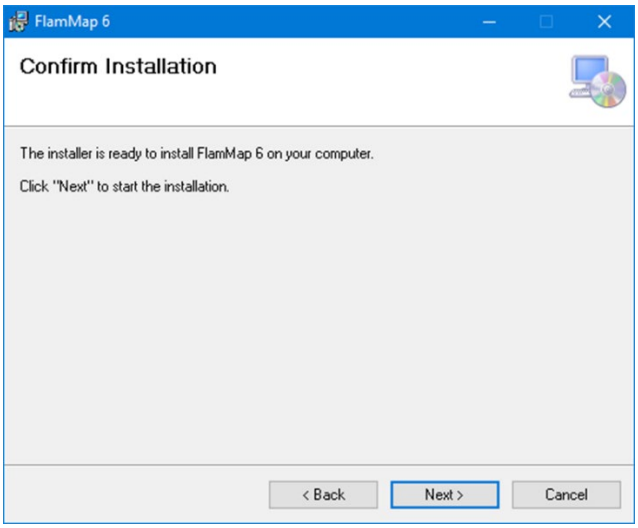


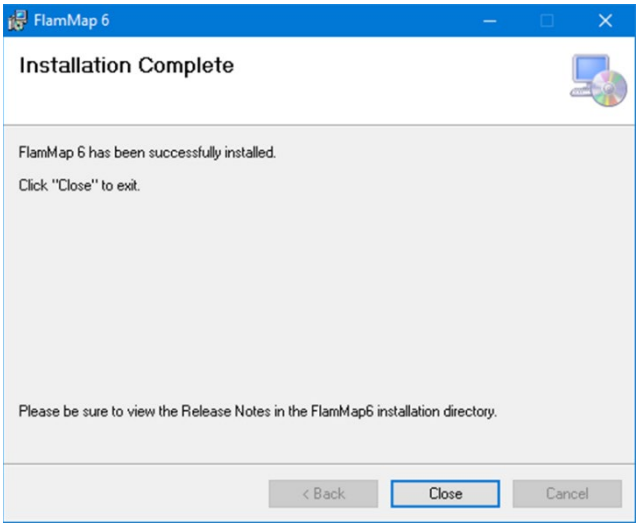
Once the program starts to install you should see the following standard Windows Installation pop-up windows.

Click **Next** on all. **It is recommended to accept the defaulted installation folder.** Once the installation is complete click **Close.**







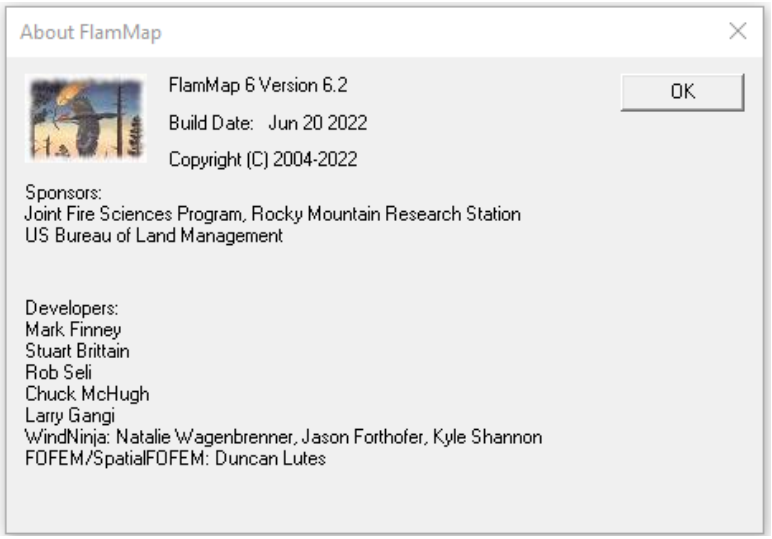


Recommended to install to the defaulted location.

- **DO NOT** install the program on a server location that will be accessed across a network.
- **DO NOT** install in Program Files or Program Files (x86) [Often blocked to write temporary files to]
- **DO NOT** install on Desktop [creates long pathname issues]
- **DO NOT** install in My Documents [creates long pathname issues]

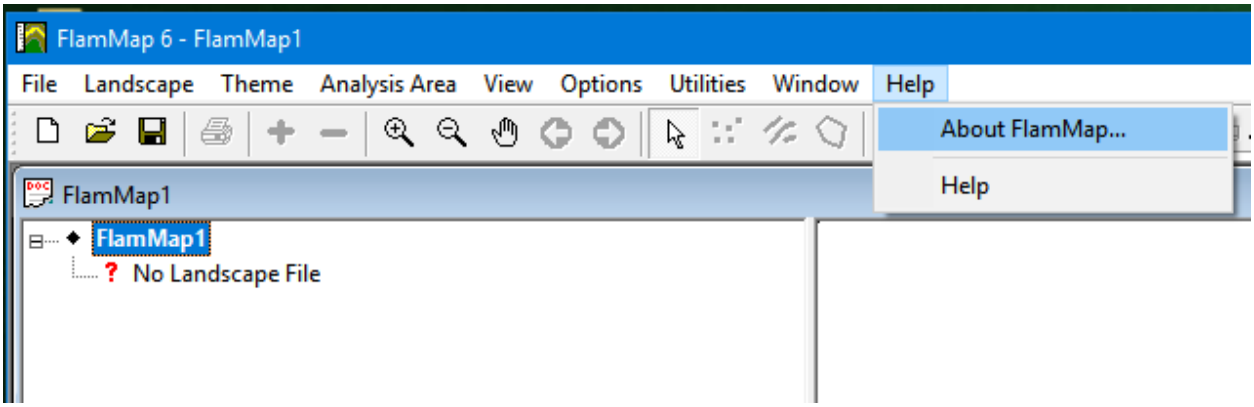
IF you choose to install the program in a Different location it must be to an area with Read/Write Access as FlamMap requires an area that it can write and store temporary files to.

6. Open FlamMap and from the main menu select **Help > About FlamMap** if you have installed and opened the correct version of the program you should see the following. **The current Build date for FlamMap is June 20, 2022**

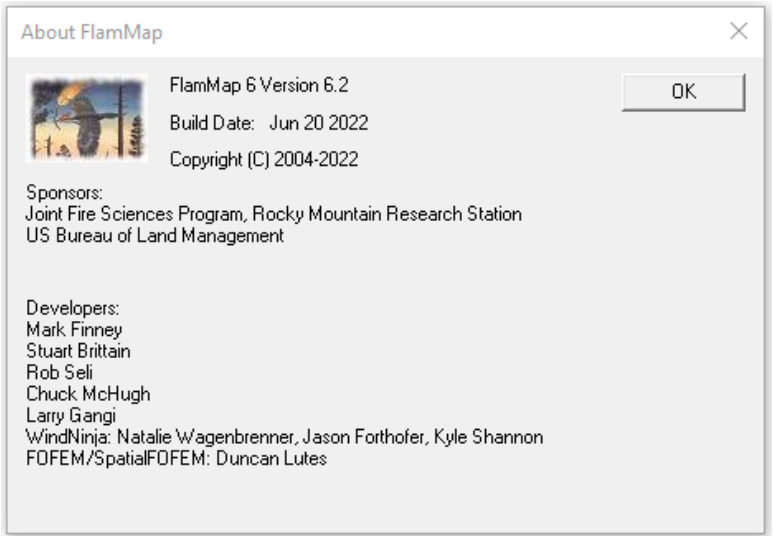

About FlamMap
FlamMap 6 Version 6.2
Build Date: Jun 20 2022
Copyright (C) 2004-2022
OK
Sponsors:
Joint Fire Sciences Program, Rocky Mountain Research Station
US Bureau of Land Management
Developers:
Mark Finney
Stuart Brittain
Rob Seli
Chuck McHugh
Larry Gangi
WindNinja: Natalie Wagenbrenner, Jason Forthofer, Kyle Shannon
FOFEM/SpatialFOFEM: Duncan Lutes

FlamMap General Information

General Information about the application and how to access the Help is discussed here. Open up FlamMap and look at some general information about the application. On the **Menu** bar click the **Help** button. This will open the following drop-down menu of options.

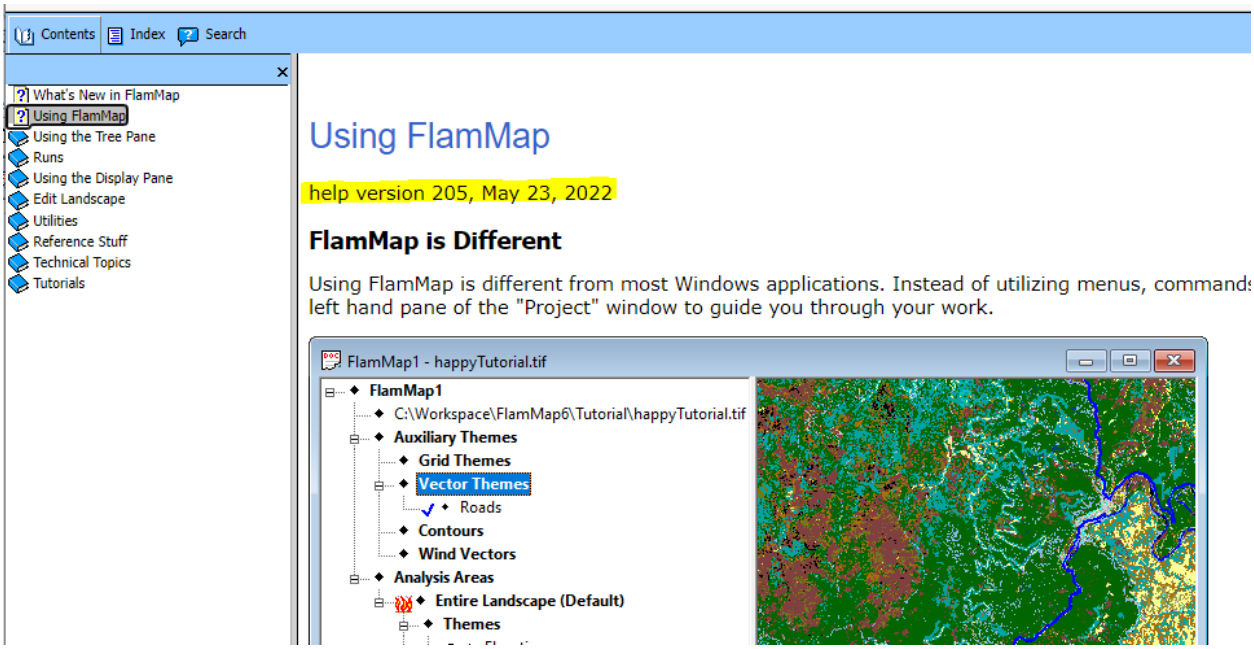


The **About FlamMap** and will display the following information. This will provide you information regarding the version you are using and the build date. You may be asked for this information during troubleshooting issues with FlamMap.



FlamMap Help

The **Help** in FlamMap exists in the program as an embedded and content linked **Help** that can be opened separately or accessed by clicking on any of the **Help** buttons from any FlamMap dialog screen which will take you to that specific location of the **Help.** When you first access the **Help** file the screen will look like the following.



- Selecting **What's New in FlamMap** will provide a general list of updated and new features within the program.
- Selecting the **Using FlamMap** will display the Help file Version Number and its current date.
- Be sure to go through the following sections: **Using FlamMap, Using the Tree Pane**, **Tutorials**, **Runs**, **Using the Display Pane**, **Utilities, Edit Landscape Books** as they all contain useful information on using FlamMap. The **Reference Stuff** section goes into detail about specific topics.

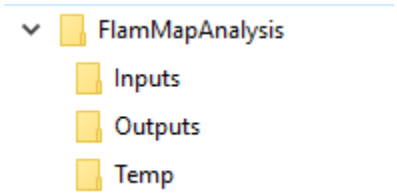
If you have an active internet connection, you can access the **Help**. This new version and delivery method of the **Help** allows for a living document that is continually being updated with new information being added. The Current Help File Version and Date will be visible as well. It can be accessed from the Menu bar **Help > Help.** Selecting the online Help should open the Help System in whatever your default browser is.

Data File Management

While this seems rather remedial it is an important topic. With FlamMap and multiple runs you can generate a lot of outputs and depending on your landscape size, data spatial resolution these can be many, many megabytes to GB in size! File management and organization is important.

Some items to consider.

1. **DO NOT** create your project folders on your **Desktop**, yes, it is the Easy Button! But it tends to create a long pathname (c:\users\cmchugh\documents\ for example) to your folder often including special characters like % signs that you do not see.
2. **DO NOT** create your project folder in **My Documents**. Same as above with creating your work area on your **Desktop**.
3. **DO NOT** use, access, or acquire data across a Network. Always keep the program and data installed locally on your computer. Certainly, back up your data onto a network or other reliable storage area/device. But the program is not designed specifically to operate in this manner.
4. Safest to create a workspace on the largest drive on your computer and do all your work there. Make sure you have read/write access to these areas.
5. You can use an external type hard drive as your workspace/work area. A word of caution here though. If you use multiple external drives and attach them in a different order the drive letter designations may change every time. It is recommended to use Windows Disk Manager and assign a specific drive letter. ***You should only attempt this if you are confident in this as there can be unintended consequences of overwriting standard Windows System folders such as the C:\ drive or other drive assignments assigned by your organization or agency.***
6. Keep pathnames and filenames short.
    a. Follow old style DOS naming conventions
    b. Don't use spaces use underscores, e.g., _
    c. Don't include special characters such as @, #, $, %, &, *, /, \
    d. Example Workspace might be: C:\WorkSpace\FlamMapAnalysis\ with several subfolders underneath it. For example:



    e. Because of the ability to use long filenames and characters (see item c above) if you use ignition files, barrier files, or other geospatial information from the WFDSS or IFTDSS application it is recommended to rename and shorten them prior to use in FlamMap.
7. Use FlamMap's **Archive** function to save and backup and share your FlamMap projects. **IT IS the ONLY** method to ensure that all your settings and data will be stored and shared with the project. Currently, the one exception to this is **Landscape Edit Rules**. Those are currently not saved with the FlamMap Archive file.

Practice organized file and data management and you will be much happier in your geospatial analysis.