Instructions and File Links for Installing My Maps in BCN

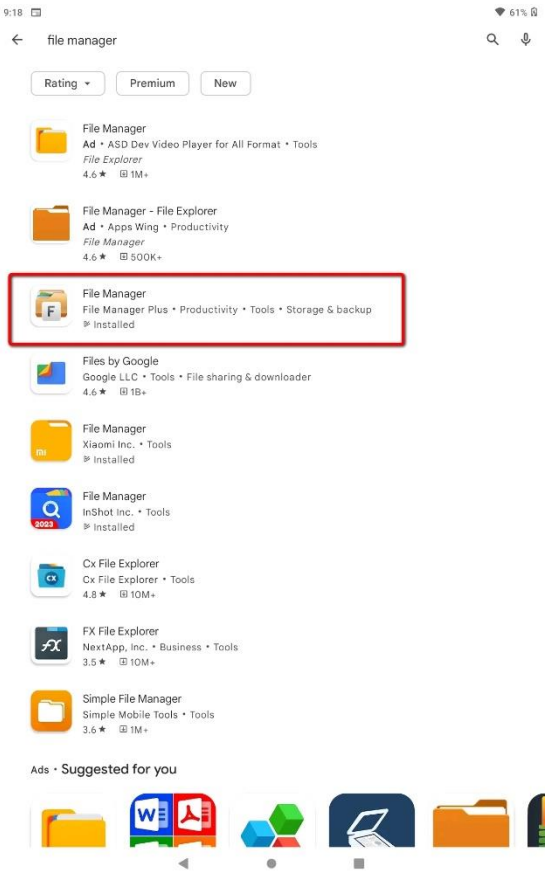
BobT, June 2023

This map or any of its tracks may not be sold, crowd sourced, sold as part of a collection, etc. It may only be distributed for free. I put too much work into it. By downloading these maps you are agreeing to this.

This is a lengthy document since I have tried to go into great detail with screenshots.
All that is required is to copy the ".bcn" map file for the map you want to download into the "data" folder of BCN on your tablet.** The "**.bcn" file is the map picture you see. Knowledgeable users will hardly need these instructions.

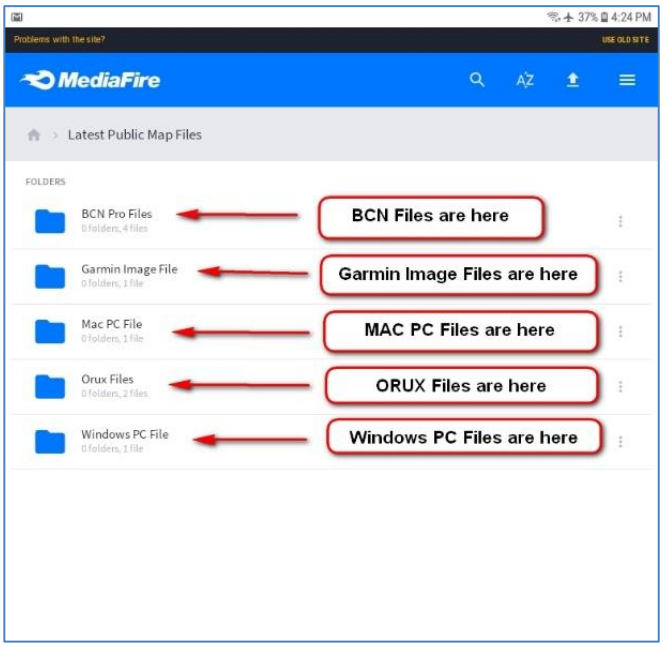
Get Android "BCN Pro" App here (about $14)
https://play.google.com/store/apps/detai....gn%3DPlayButton

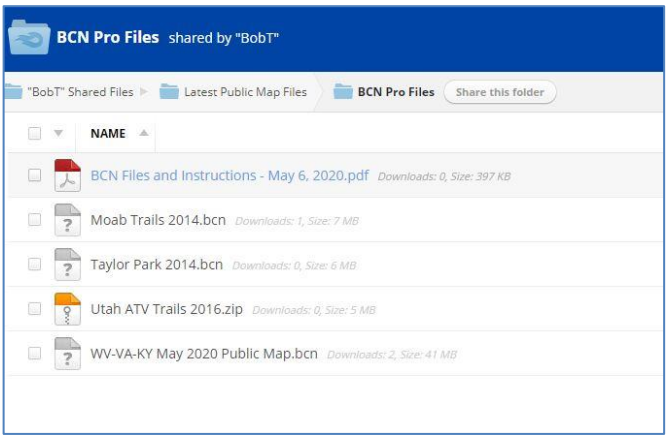
Get Android File Manager Plus App from the Play Store on your Tablet. (Not needed for Option 1 below)

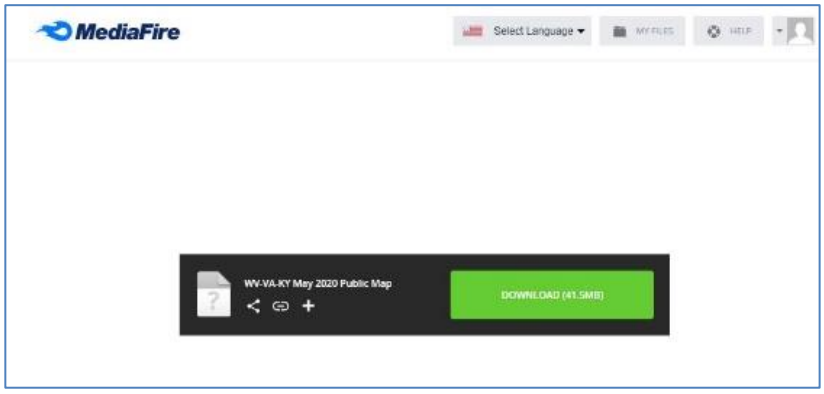


Get BCN Map Files Here (Click on "BCN Map Files" Folder)

http://www.mediafire.com/folder/j8mra577regbm/Latest%20Public%20Map%20Files







If you pick multiple maps they will be zipped together and you will have to unzip/extract them on your PC. You can download them separately and they will not be zipped.

SPECIAL INSTRUCTIONS FOR DEVICES WITH ANDROID 11 OR LATER

Android changed permissions with the release of version 11 that impacts what Apps can access BCN and Orux files.

Android 11 prohibits most Android File Manager's from accessing the new BCN "Data" folder and Orux "MapFiles" folder.

How to check Android Version. Go to "settings/about/software information" or "settings/about".

Installation Option 1 Android 11 or later using PC (easiest)

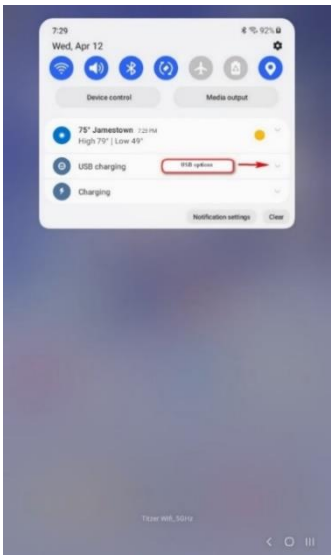
I **highly recommend** connecting your tablet to your PC and using Windows File Explorer to move the map file to your tablet. I assume Mac PC's have a similar File Explore program. This method only takes about 1-2 minutes. By using your PC you are by-passing Android restrictions. Your Tablet will look like a Memory Stick to your PC. There are instructions on using a "File Manager" App on your Tablet at the end of this document.

First turn on your Tablet. Then plug your Tablet into your PC. You should then see the screen below on your PC, if you do not see your Tablet you may have a charging only cable (I have seen this once), if so get a different cable.

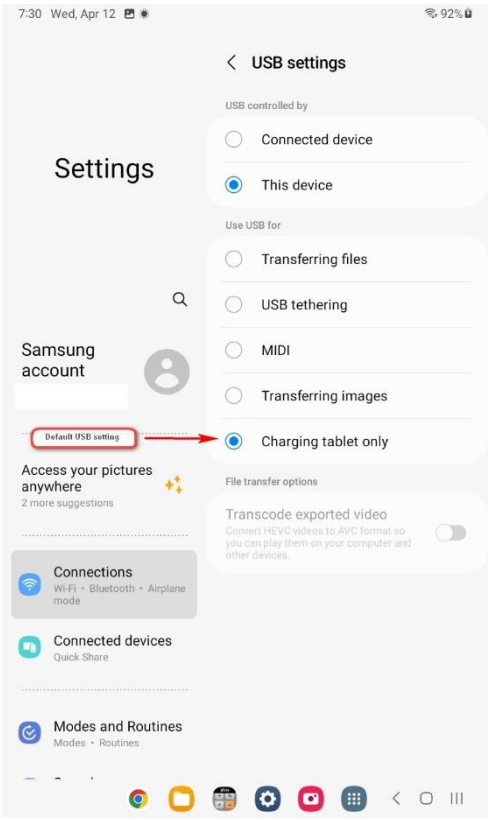


Tablet shows up on PC

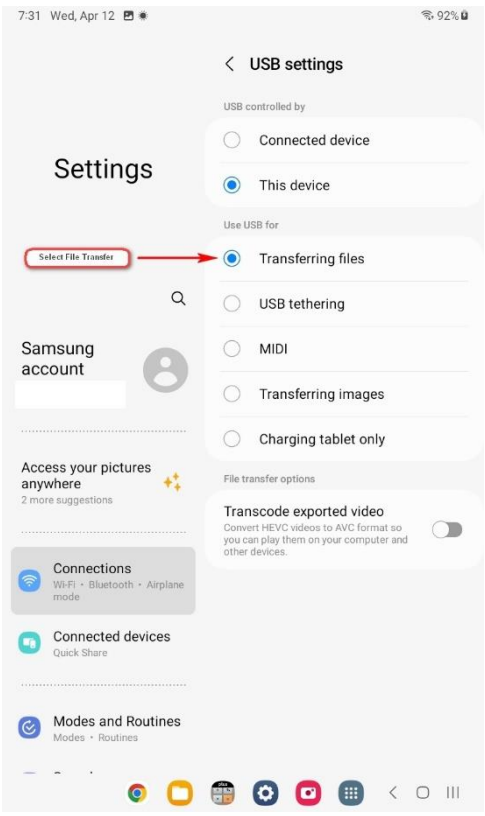
When you see this screen go to your Tablet and swipe down from the top. You should then see the screen below. Click on USB charging and this will bring up your USB Options



The screenshot on the left shows the USB options. The screenshot on the right shows selecting “Transferring Files” which is what you want to do.



Tablet USB Options



USB Option "Transferring Files" selected

After selecting “Transferring Files” you will now see the screen below on your PC’s File Explorer. From now on you will only use your PC and not your Tablet.



PC Screen showing Tablet Internal Storage and SD card if you have one

The next step is to find the map file and copy it. If you downloaded the map file to your Tablet, it will be in your Tablet's "Download" folder. If you downloaded the map file to your PC it will be in your PC's "Download" folder unless you chose a different folder.

The final step is to use your PC (not Tablet) and navigate to which ever "Download" folder you downloaded the map file to (PC or Tablet). Copy the map file (right click on it and select "copy" or press "ctrl-c). Now using your PC navigate to the proper folder path on your Tablet listed below and "Paste" the map file into it. (right click on it and select "paste" or press "ctrl-v)

Below are the locations of where the BCN map files need to be copied to on your Tablet.

Path to location of BCN "data" folder where you copy BCN maps to is below. (For Android 11 or later)

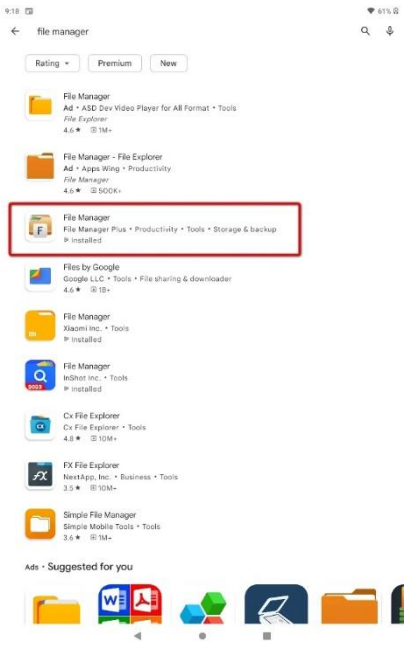
Android\data\com.crittermap.backcountrynavigator.license\files\bcnav\data

If you do not have a "mapfiles" folder then most likely you installed Orux before your Tablet updated to Android 11. See the section below on updating map with Android 10 or earlier.

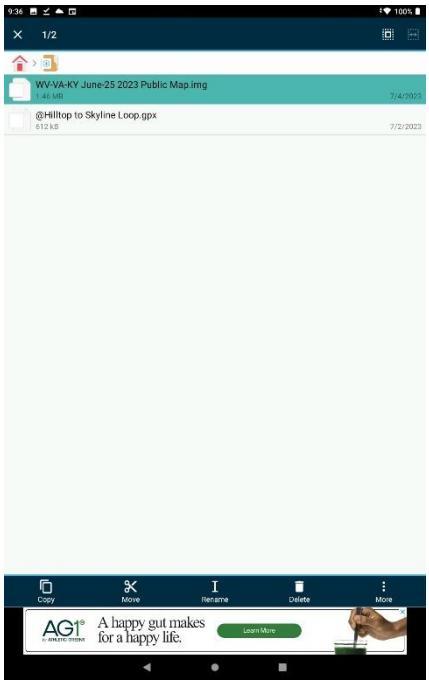
Installation Option 2 Android 11 or later using Tablet only

Using “File Manager Plus” App on your Tablet to Install Maps

Download “File Manager Plus” from the Playstore. This File Manager will let you get around the Android 11 restrictions.



When you downloaded the map file from MediaFire it most likely downloaded into your “Download” folder. Using “File Manager Plus” copy it and navigate to the correct App map folder per paths shown below. Then paste it in the “mapfiles” folder.



When using “File Manager Plus” the first time you will see “**Use this folder**” and/or “**Allow**” on or at the bottom of several screens. When you see it, Click/Tap on it. By doing so you are giving the File Manager permission to override Android restrictions. You only have to do this the first time, you won’t have to do it the next time you update a map. This can be frustrating and take several attempts until you figure out what to click/tap on. If you lose the paste option at the bottom you have done something wrong.

Below are the locations of where the BCN map files need to be copied to on your Tablet.

Path to location of BCN “data” folder where you copy BCN maps to is below.

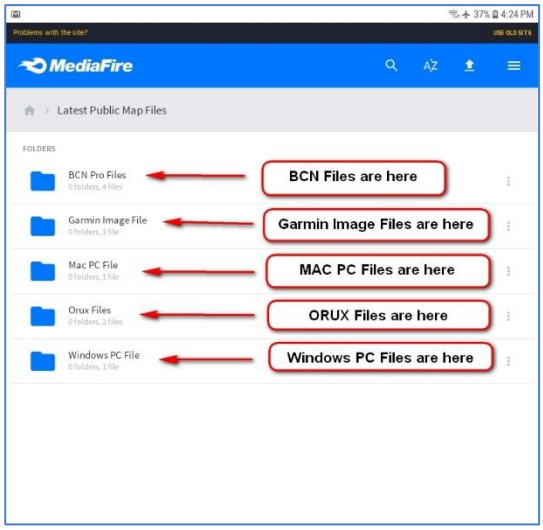
Android\data\com.crittermap.backcountrynavigator.license\files\bcnav\data

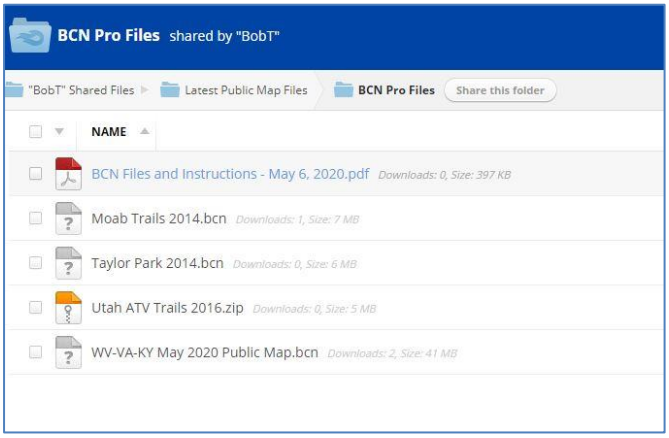
Installation Android 10 or earlier using Tablet only (canalso be done using PC)

Get BCN Map Files Here (Click on "BCN Map Files" Folder)

http://www.mediafire.com/folder/j8mra577regbm/Latest%20Public%20Map%20Files

From your Tablet when you go to the link "**Get BCN Map Files Here"** above you will see the screen below. Click on "BCN Files" and it will bring up the screen below. Check the box for the ".bcn" file for each map you want to download and then click on "Download" at the top of the screen and you will see the download screen, Click the green box. The files should be downloaded to the "Download" folder on your Tablet. If you pick multiple maps they will be zipped together and you will have to unzip/extract them on your Tablet You can download them separately and they will not be zipped.





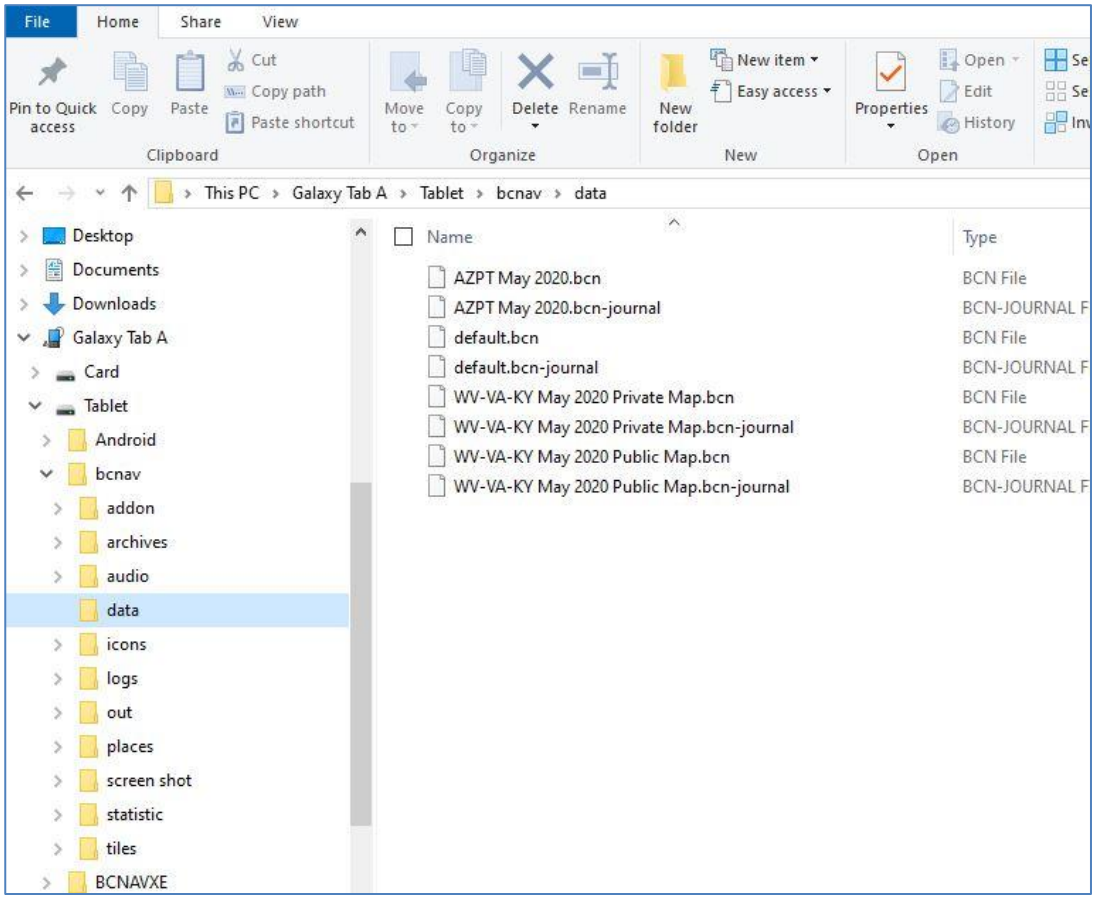
The map installation is very simple, all you have to do is copy the map files from the downloaded “BCN Files” that you have previously downloaded to your Android device and move it to the correct BCN folder. You will use a File Manager App (FM) to copy and paste this file. You can also use FM to just move the file.

Now arrow back or navigate to the “BCN” folder on your device. It will either be under “Device” or “SD “Card”. Click on the “BCN” folder to open it. Notice that you should still have the “Paste” option at the bottom. See screenshot below.

Now click the “data” folder to open it.

Paste or drop your map files in the “data” folder.

You have now installed the map. Later in this document I explain how to open the map and adjust settings.



How to display the map on your device

1) Open BCN
2) Select "Trip Data" at the top right.
3) Then press "Click to Change Trip Database". (BCN stores Maps/Tracks in a database)
4) Then you should see multiple options, "default" and the maps you have installed.
5) Select " WV-VA-KY May 2020 Public Map ". (or any other map database)
6) The tracks will now be showing, but remember you may not be in WV, CO, AZ or Utah and the tracks are in WV, CO, AZ and Utah. You will have to slide the map up to WV, CO, AZ, or Utah.
7) Also, under "Trip Data" you should see " WV-VA-KY May 2020 Public Map " in the top box. You can click on this to see a list of each waypoint and track. You can change name/color/icon here.
8) You just need to explore the settings and various screens to see what your options are. You will have to experiment with which background map you like best. I like the "Worldwide/World Topographic Map from ArcGis", map the best. Play with the "Settings" to suit your desires.

BCN Tips and Tricks

BCN stores GPS (.gpx) tracks in a database. The database files are what I have distributed to save you time and effort. My WV-VA-KY June 2019 Public Map is not really a map in BCN, it is a database collection of all the individual tracks. I interchange the words map, database, and tracks in this document.

Trip Data and Settings:

If you touch the "Trip Data" button in the upper right you will get the following menu options.

Trip Data

WV-VA-KY June 2019 Public Map has (693) waypoints and (1687) tracks: touching this will bring up a list of the waypoints and tracks. You can select an individual one and change color, rename, delete, etc. **If you record a track It will show up at the top of the list.**

Share the data from this trip: gives you sharing options.

Import Tracks or Waypoints: gives you options to import various formats of tracks. You can import into the current database or create a new one. If you created your own track and wanted to import it into the WV Trails this is where you would do it. It would then show up on the WV Trails map/tracks.

Choose another trip database: this is where you could choose another set of tracks database such as Moab, or one you have created or gotten from someone else.

Create a new (empty) trip database: If you decide to create your own set of tracks into a database this is where you will create that database.

Settings - (3 dots at the far top right)

There are several settings here you need to experiment with to your liking.

Storage Options: If you put a SD card in your tablet and want to store BCN data there this is where you will tell BCN to look. You will have to use a program like "File Manager" to create the BCN directory and sub directory bcnav/data there.

Track Options: These are setting for when you are using BCN to record tracks. I recommend a Time Interval of 5 seconds and a Minimum Distance of 10m. Default track color, I would select cyan since I use most of the other colors for tracks so that it shows up on my map. Track width, experiment with Small and Medium.

Map Layers - (BCN is constantly changing which maps are available)

If you touch the 3 sheets of paper (layers) you will get the following options:

More Map Sources: This is where you select your background maps. I like "Worldwide/World Topographic Map from ArcGis", "USA:Imagery/Virtual Earth Hybrid Satellite Imagery Maps", "Worldwide/Thunderforest Worldwide Maps/Open Cycle Map from Thunderforest" is mostly what I use in WV, the others are too dark and cluttered.

Downloading Background Maps

You will need to download background maps at home before you go riding. You will not have internet service on the trails so you need to download the background map ahead of time.

In "Map Layers" have "Internet Enabled" checked

Select Areas for Download: Here is where you download maps to you tablet for when you will not have service (basically all the time) You need to be somewhere where you have WiFi internet so you can connect to the Internet to download the map tiles. Have the background map you want to download showing and zoomed into the area you want to download and touch "Select Areas for Download". Press the "Select" button at top of screen and then touch one corner of the screen with your finger and drag a rectangle. Press the "Scroll" button at the top to move to another area on map to download and then press "Select" again. Press the "Download" folder at the top with an arrow and select "Cache to Main Tile Cache (Preview cache) and touch "Begin Download", then touch "Proceed". If you cannot drag a rectangle you may have to zoom in or out above zoom level 10.

Turning GPS On

Touching the concentric circles at the top will give you options for centering the map on your current locations and to start tracking. If you have not already turned on the GPS this will give you the option to do it? If you want the trip to be recorded in the current WV Trails database just touch "Start Recording". This will show a yellow track on top of the map as you move. You can delete this later.

BCN Color Coding (BCN does not support dashed tracks like Orux and Garmin)

Green – Easy
Blue – Intermediate difficulty
Red or Black – Difficult
Brown – Single Track (Motorcyle)
Magenta – Roads
Yellow in Mingo County – Trails that have not been verified in a couple of years.
Yellow – Special destination trails, etc (Beer Can Alley to Reed Junction, 9 Mile Creek Bypass, Welch to War, Barkers Creek to Burning Rock, Crumpler Mtn Rd, etc)

Color Coding of tracks is subjective and trail conditions can change due to time, weather, and logging.
Color Coding is to be used only as a general guideline, know your limitations and never ride alone.

Hatfield McCoy, Burning Rock, Rush, and Spearhead Trails are colored and numbered per their trail system maps.