

## View the Black Hills National Forest Motor Vehicle Use Map (MVUM) on your Mobile Device

If you own a mobile device such as an iPad, iPhone, iPod Touch or Android (4.0.3 or newer), you can take the Black Hills National Forest MVUMs with you.



1. Download the free Avenza Maps app at your App Store or Google Play to your mobile device.
2. Once you have Avenza Maps on your mobile device, use your device to download the maps while running the App.
3. The first time you open Avenza Maps, you can either log in or click the **x** on the screen to bypass logging in.
4. Go to the **Shopping Cart** (store).
5. For Apple devices only, click **Find Maps**. For Androids skip this step.
6. IMPORTANT! Select **List**.

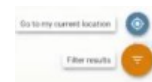


Apple:

Android:



Android:



7. **Filter** maps. Apple: Android:
8. Select **Free maps only** and **Parks, Forests, & Grasslands**. Uncheck everything else.
9. For Apple: Select **Close**. For Android: Select back arrow in the top left corner.
10. Click on **Name, region or keyword** and type **Blackhills MVUM** (type Blackhills as one word) to download free MVUMs for Bearlodge, Northern Hills, Mystic and Hell Canyon Ranger Districts.
11. Click the **Free** rectangle and then click **Install Now** for each map you want.
12. You can also download the free color version of the maps by clicking on **Name, region or keyword** typing **Black Hills National Forest Recreation Map**.
13. Again, click **Free** rectangle and then click **Install Now** for each map you want.
14. Once the map has installed, you will see a popup screen **Success. Your map is now downloading**. Click **OK**.
15. Click **My Maps**.
16. Click on the map you want to open.
17. Once the maps are downloaded to your device, cell coverage is not required to navigate.

With the app and maps installed on your mobile device, you will be able to:

View your location on the MVUM using the built-in GPS device, measure distances and areas, plot waypoints, view maps offline and more.

**Limitations:** The travel aid has several shortcomings, as described below.

- WiFi-only tablets can provide some limited non-GPS positioning service, but only where WiFi coverage exists. Devices with 3G/4G capability, on the other hand, are able to provide true GPS positioning, even in the absence of 3G/4G coverage.
- Depending on the mobile device, the map's orientation may be set to "north up", and cannot be set to "track up" when GPS positioning is active. In other words, a motorist's view of the map could show north-up even when driving in a southerly direction.
- GPS positioning consumes more power than normal operation, so use of an approved power adapter is recommended.
- Feature labels are static and, in some situations, could be off-screen.
- Travel aid functionality could be compromised if steeply rising terrain, dense vegetation, or other overhead obstructions significantly degrade GPS reception.




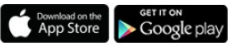
Through a no-cost contract with Avenza Systems, Inc., the USDA Forest Service has made electronic versions of its Motor Vehicle Use Maps (MVUMs) available as free downloads for smartphones and tablets



## Downloading MVUMs with the Black Hills National Forest App

1. Download the free Black Hills National Forest App at your App Store or Google Play to your mobile device.



2. Download the free Avenza Maps app  at your App Store or Google Play  to your mobile device.

3. In the Black Hills National Forest App, click on **Maps**.
4. Click on **Avenza Maps**.
5. To download an MVUMs, click on the map you want. Example: **Northern Hills Ranger District**
6. A screen will pop up: **“Black Hills” wants to open “Avenza Maps”**. Click **Open**.
7. Avenza Maps will open. Click **Free** rectangle, and then click **Install Now**.
8. Once the map has installed, you will see a popup screen **Success. Your map is now downloading**. Click **OK**.
9. Go back to the Black Hills National Forest App and click on each map you want to download.
10. When you are finished downloading the maps, open Avenza Maps and click on **My Maps** to view the maps you downloaded.

