

View the Black Hills NF 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 PDFMaps app, available at <http://www.avenza.com/pdf-maps> to your mobile device.
2. Once you have Avenza on your mobile device, use your device to download the maps while running the App. Search for "Black Hills MVUM" to download MVUMs for Bearlodge, Northern Hills, Mystic and Hell Canyon Ranger Districts. This is best done using WiFi as it is typically faster, and will incur no charge against your data service plan.

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.