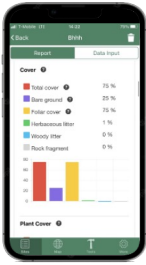




LandPKS for Rangeland Inventory and Monitoring



One app, many applications.

Download the LandPKS mobile app for free to:

- ✓ **Identify** your soil and ecological site to ensure the correct reference is used for rangeland health assessments
- ✓ **Access** soil, ecological site, and wildlife habitat information
- ✓ **Monitor** plant cover, utilization, and soil health

7 Report Modules

LandInfo

Identify soils and ecological sites and access NRCS soil and ecological site information

Vegetation

Access land cover and trends imagery and data, graph your monitoring data

Habitat

Access info about species within geographic range and compare to your own LandCover data (US only)

SoilHealth

Access your SoilHealth data

LandManagement

Climate

Soil Conservation (WOCAT)

4 Input Modules

LandInfo

Determine soil color, texture, and slope; document Land Capability Classification (LCC) limitations

Vegetation


Collect 20-minute NRCS/BLM-compatible vegetation cover & structure data, and record utilization data

SoilHealth

Access instructions and record NRCS soil health indicators

LandManagement

Document rainfall, seeding, weed control, etc., with a simple calendar function

 indicates when new information is available in the app (based on location or user inputs).

LandPKS takes data privacy seriously.

Choose to share on our global Data Portal or keep information private.



LandPKS is compatible and consistent with the following systems:

Soil: USDA-NRCS, FAO, ISRIC-SoilGrids

Vegetation: USDA-NRI, BLM-AIM and vegetation cover estimation tools (e.g., RAP)

Open TEAM (open-source software for agriculture)



Get more information and register for updates at landpotential.org

Find rangeland-specific videos and training materials at landpotential.org/learning



**Agricultural
Research
Service**



U.S. DEPARTMENT OF THE INTERIOR
**BUREAU OF LAND
MANAGEMENT**

See a complete list of our development and implementation partners at landpotential.org

Get started using LandPKS in 5 easy steps

1

Download the LandPKS app onto your device for free

- Register a Gmail address to use the LandPKS app.
- Note: Google independently authenticates your account. LandPKS does not have access to your Gmail login.



2

Click the + to create a new site*

- Name your first site and obtain the GPS coordinates.
- You can already view possible soils under **LandInfo** and wildlife species on your land under **Habitat**.

* or click on the Map to view possible soils without creating a site.

*Scan QR codes to learn more about:



LandInfo



Vegetation



SoilHealth



Habitat

3

Enter data in the Data input tab

- **LandInfo**: record slope, texture, color for Soil ID.
- **Vegetation**: 20-minute land cover monitoring with a yard stick and utilization measurements.
- **SoilHealth**: record and store lab data + field observations.

4

Click “Synchronize Now” at the top of the data input screen when you have a data connection to:

- Backup your data to the cloud. This ensures your data will always be available to you. It also allows you to access your data on the Data Portal.
- Get new soil predictions after you enter **LandInfo** data (Under Report, in the SoilID section, view the GPS+DATA and *Data* tabs).

5

View data and results in the Report tab

- **LandInfo**: view your updated site-specific soil ranking, access information about potential vegetation and restoration options through EDIT.
- **LandManagement** & **SoilHealth**: generate PDF reports.
- **Habitat**: compare habitat characteristics with your data.
- Visit the **Data Portal** at LandPotential.org to download a .csv file of your data.

(8/16/2022 - US)