



GIS Teleconference 2013



*Your Geospatial Resource to the
Mojave Desert*



Mojave Desert Ecosystem Program (MDEP)

- What is MDEP?
 - A federal collaboration between DoD and DoI to support the Mojave Desert Ecosystem land managers. This program supports County, State and Federal managers tasked with managing the lands within the ecosystem.
- MDEP Focus
 - The program supports various agencies with IT and GIS solutions in-kind. We help to support data sharing and best practices to achieve sound and reasonable results for land management concerns.



- MDEP Implemented Capabilities
 - Cloud Servers
 - Hosted onsite at a federal building in Barstow, CA
 - Over 100 TB of digital data storage
 - *Enterprise* mobile data collection solutions
 - Solutions for unique needs
 - BLM Mobile Trail Survey
 - Desert Tortoise Monitoring
 - Vegetation



- GIS Services

- MDEP GIS data is provided via our web portal and those products can be downloaded or connected to our various GIS services.

- Flex Maps

- Online mapping tool that allows geospatial data to be seen on Esri base maps

- Voyager

- 3rd party geospatial data search engine, similar to a Google search

- Rest Services

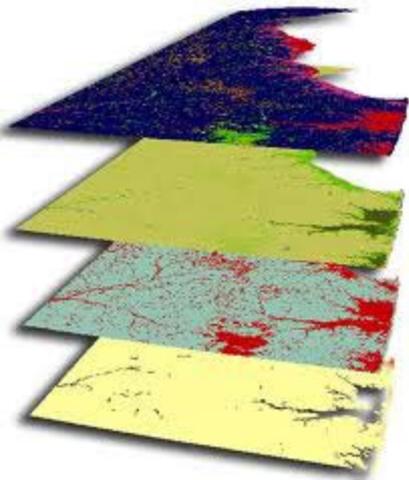
<http://mdepgis00.mojavedata.gov/ArcGIS/rest/services>

- WMS (Web Map Service)

http://mdepgis00.mojavedata.gov/MDEP/MDEP_Boundary_and_Roads/MapServer/WMSServer

- WFS (Web Feature Service)

http://mdepgis00.mojavedata.gov/MDEP/MDEP_Boundary_and_Roads/MapServer/WFSServer



- HTML 5
 - Our website was recently converted to HTML 5. HTML 5 has many advantages compared to previous versions of HTML, one of them being the response design. The Response design automatically formats the website to fit the screen of the device that is accessing the website (whether it be a computer or mobile device). Some other advantages are:
 - Geolocation without creating a full application
 - Less plug-ins required
 - Lower cost, easier to control, lower level of development compared to a complete software solution or a traditional application
 - Continue to create products with HTML 5 in order to maximize mobile platforms
 - Feel free to contact us with any questions



- On the Horizon
 - Implement a mobile solution for the NPS Law Enforcement enabling them to record law enforcement events along with images and video on their issued iPads.
 - Migrate Flex Maps to a Java platform making them accessible from Apple devices





Dustin Wiersma, GIS Analyst

dwiersma@mojavedata.gov

760.252.6164