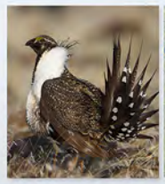
USGS
science for a changing world

Unmanned Aircraft Systems (UAS) Applications in the Department of the Interior

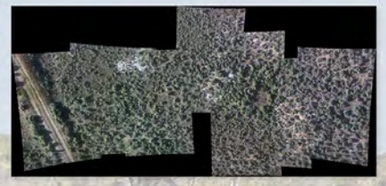
Wildlife Studies

Anaho Island National Wildlife Refuge, NV
Census of Ground-nesting Colonial Waterbirds

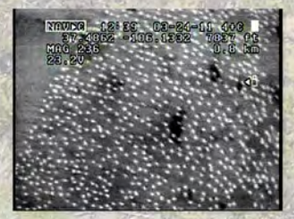
Grand County, CO
Monitoring Breeding Greater Sage-Grouse



Pygmy Rabbit Habitat Study, ID



Monte Vista National Wildlife Refuge, CO
Sand Hill Crane Population Estimates



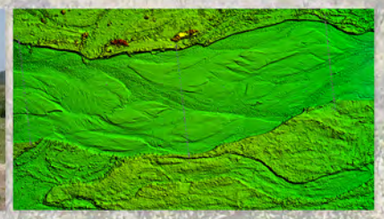
Environmental Monitoring

White Sands National Monument, New Mexico
Survey & Document Paleontological Pleistocene Tracks

Haleakala National Park, Kula, Hawaii
Assess Park Boundary Fences and Detect Invasive Plants and Animals

Mojave National Preserve, CA
Identify Abandoned Materials

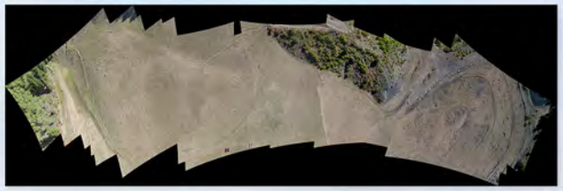
Central Platte River Valley, NE
Mapping Emergent Sandbar Habitats



Volumetric Studies

Contour Surface Coal Mines, WV
Inspecting Coal Mining Permits

Coal Basin Mine Project, CO
Inspect Abandoned Mine Lands (AML)



Hydrologic Monitoring

Red Rock Lakes National Wildlife Refuge, MT
Ground Water Discharge Monitoring

Missouri River, SD
Monitor Erosion of River Shoreline

For more information please contact
Bruce K. Quirk, Ph.D.
Land Remote Sensing Program - UAS Liaison
quirk@usgs.gov
(703) 648-5736

or visit our website
NATIONAL UNMANNED AIRCRAFT SYSTEMS PROJECT OFFICE
http://uas.usgs.gov