Sharing Science
USGS ScienceBase
Data Integration and Management Project

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ScienceBase Training and User Support
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March 2016
What Exactly is ScienceBase?

• Open Source Software

• Metadata Catalog

• Data Repository

• Collaborative data management and integration platform

• Supports public and secure data discovery and distribution

• Web services to drive other applications

• New features and transforms every 2 weeks

Sponsored by: USGS Core Science Analytics, Syntheses and Libraries with support from USGS Climate and Land Use, USGS Ecosystems, and the LCC Network
ScienceBase by the Numbers

Currently 30+M “page views” per month
--Vast majority of requests are for web services
--Peak usage 4M “views”/day

1-2Tb data transfer/month via https

3-5Tb data transfer/month via other protocols

Expect significant increase in both traffic and incoming data over next year

More demands on uptime and performance
USGS Data Release

Click here to see USGS Data Releases in ScienceBase.

USGS scientists and data producers, click here for more information on using ScienceBase to complete a Data Release as part of the new USGS Instructional Memoranda (IM) requirements.

Featured Item

Color Hawaii Shaded Relief – 200-Meter Resolution, Albers projection

The color Hawaii shaded relief data were derived from National Elevation Dataset (NED) data, and show the terrain of Hawaii at a resolution of 200 meters. The NED is a raster product assembled by the U.S. Geological Survey, designed to provide national elevation data in a seamless form with a consistent datum, elevation unit, and projection. Data corrections made in the NED assembly process minimize artifacts, permit edge matching, and fill silvery areas of missing data. The National Atlas also includes a Lambert Azimuthal Equal Area projection shaded relief file; this file is the same data in an Albers projection.

Categories: Web Site, Tags: DEM, Digital Elevation Model, Hawaii, NED, Shaded Relief, All tags...
ScienceBase – the Big Picture

An item can be interacted with in various ways.
ScienceBase – the Big Picture

Steward data in Sciencebase
- Create web map services
- Manage security
- Manage data & metadata

An item can be interacted with in various ways.
ScienceBase – the Big Picture

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Who Uses ScienceBase?

• USGS scientists

• Multi-organizational conservation projects working in partnership with USGS Science Centers, including Landscape Conservation Cooperatives (LCC) and their partners

• Science efforts collaborating with USGS staff (eg., Bat Conservation International, Home on the Range Prairie Dog studies, American Fisheries Society, National Science Foundation Digital Crust Program, BLM Wild Horses and Burro Program, FWS & State Partners Sage Grouse Conservation Efforts Database...)
Questions and Comments?

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SENSITIVE DATA - Foraging Locations of the California Condor

Dates
Acquisition: 2011-06-05

Citation

Summary
*** SENSITIVE DATA *** Foraging locations of the CA condor. Presence-only niche models require spotted occurrence locations. Because condors use different habitats for nesting, roosting, and feeding, occurrence data were partitioned into these three activities. Activity-specific occurrence data spanning the time period from 1965–2011 were obtained from a variety of reliable sources. All occurrence data were filtered to remove duplicate records and occurrence locations with a positional precision of <1 km. For more information, please refer to the publication: D’Elia, J., Haig, S., Johnson, M., Marcot, B., and Young, R., 2015. Activity-specific ecological niche models for planning reintroductions of California condor (Gymnogyps californianus). Biol. Conserv. 184, 58-69.

Contacts
Point of Contact: Josee D’Elia
Metadata Contact: Rich Young

Attached Files
Click on title to download individual files attached to this item or download all files listed below as a compressed file.

- ForagingLocationsCondor.ad
  Original Metadata
  2015-10-30 10:44
  841 KB

- ForagingLocationsCondor.zip
  Original Metadata
  2015-10-30 10:44
  4 KB

Purpose
This dataset represents known occurrences for California condor foraging activities from 1965-2011. It was compiled to be used as training data for the condor foraging ecological niche model (D’Elia et al. 2015).

Rights
SENSITIVE DATA - NOT SUITABLE FOR DISTRIBUTION. TO BE USED BY USFWS STAFF AND PARTNERS ONLY. No warranty expressed or implied is made regarding the accuracy or utility of the data and information on any other system or for general or scientific purposes, nor shall the act of distribution constitute any such warranty. This disclaimer applies both to individual use of the data and information, and aggregate use with other data and information. It is also strongly recommended that careful attention be paid to the contents of the metadata file associated with these data and information. The USFWS shall not be held liable for improper or incorrect use of the data and information described and/or contained herein.

Spatial Services
ArcGIS REST Service: https://www.sciencebase.gov/arcgis
ArcGIS WMS Service: https://www.sciencebase.gov/arcgis

Communities
- Pacific Southwest Region, Region 5
- U.S. Fish and Wildlife Service

Associated Items

Tags
Categories: Data
Theme: Activity-specific occurrence data, California condor, Ecological niche model, MacCat, Reintroduction
Types: ArcGIS REST Map Service, ArcGIS Service Definition, Citation, Downloadable, Map Service

Provenance
Data source: Input directly
USFWS