Crucial Habitat Assessment Tool (CHAT, Western Association of Fish and Wildlife Agencies)



Tags

WAFWA, WGA, CHAT, Crucial Habitat, VIEWABLE

Summary

Westwide CHAT Mosaic data to be made VIEWABLE in CHAT web service. Originally mosaiced and created Novermber 2013, last edited February 28 2016.

Description

Westwide CHAT Mosaic data to be made VIEWABLE in CHAT web service. Originally mosaiced and created Novermber 2013, last edited February 28 2016. Editing history:
December 2, 2013: change to Landscape Merge
viewable values for ID and WA. June 2014:
Oregon and Washingon provided updates
December 2014:

- Nebraska updated Natural Vegetation, SOC_all, Crucial Habitat
- Oregon updated Ter_SOC, Ter_Rank, Crucial Habitat
- Nevada updated Ter_SOC, SOC, SERI, Ter_SERI, Ter_Crucial Habitat, Crucial Habitat
- New Mexico updated

All_SOC, Crucial Habitat July
2015: Montana
January 2016: New Mexico updated SOC and Crucial Habitat

This dataset represents an aggregated measure of crucial habitat for species of interest to the western states' fish and wildlife management agencies. Crucial habitat describes places that are expected to contain the resources necessary for continued health of fish and wildlife populations or important ecological systems expected to provide high value for a diversity of fish and wildlife. Specifically, crucial habitat for fish and wildlife was defined to include several data types and layers of information available to states:

Habitat for Species of Concern: terrestrial and/or aquatic

Native and Unfragmented Habitat: may include landscape condition; large natural areas; natural veg. communities; ecological systems of concern; landscape corridors; and/or freshwater integrity

Riparian and wetland habitat

Connectivity or linkage areas: wildlife corridors

Quality habitat for species of importance not already accounted for in "Habitat for SOC"

States compiled data encompassing all of the above categories and then ranked areas as "crucial habitat" using a relative, six-level prioritization scheme, where 1 represents areas "most crucial," or those areas that most closely meet the definition of crucial habitat and 6 represents "least crucial" areas, or those areas that least closely meet the definition of crucial habitat based on mutually agreed upon definitions. Crucial habitat values are in no way regulatory and do not imply specific avoidance or mitigation measures for a given area. Crucial habitat values should be interpreted as the relative probability, or risk, that a high- priority species or habitat would be encountered in a given area based on the best

available scientific information.

A table cataloging all of the states' CHAT metadata can be accessed at http://s3.amazonaws.com/AppGeo/WestGovChat/Downloads/CHAT_metadata.xlsx.

Credits
Western Association of Fish and Wildlife Agencies (WAFWA)

Use limitations
The (CHAT), available at wafwachat.org, is a non-regulatory tool that allows users to quickly identify crucial habitat in 16 Western states. The Crucial Habitat map is ranked on a relative scale of 1-6; 1 represents areas most likely to contain natural resources that contribute to crucial habitat and 6 represents areas considered the least likely to contain those resources. Each state had the ability to rank their data using a shared framework, guidelines, and definitions.
Information on the process used create the tool, as well as detailed metadata, is available at wafwachat.org.

Extent
West -179.183476 **East** 179.816182
North 71.440359 **South** 31.332178

Scale Range
Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata

Topics and Keywords
* CONTENT TYPE Downloadable Data

Citation
TITLE Crucial Habitat Assessment Tool (CHAT, Western Association of Fish and Wildlife Agencies)
PRESENTATION FORMATS * digital map

Resource Details
DATASET LANGUAGES * English (UNITED STATES)
SPATIAL REPRESENTATION TYPE * vector
* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.3.0.4322
CREDITS
Western Association of Fish and Wildlife Agencies (WAFWA)
ARCGIS ITEM PROPERTIES
* NAME wafwa_chat
* SIZE 215.485

Extents
EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT TYPE Extent used for searching
* WEST LONGITUDE -179.183476
* EAST LONGITUDE 179.816182
* NORTH LATITUDE 71.440359
* SOUTH LATITUDE 31.332178
* EXTENT CONTAINS THE RESOURCE Yes
EXTENT IN THE ITEM'S COORDINATE SYSTEM
* WEST LONGITUDE -19946613.354759
* EAST LONGITUDE 20017045.808600
* SOUTH LATITUDE 3675964.337146

* NORTH LATITUDE
11554548.830431
* EXTENT CONTAINS
THE RESOURCE Yes

Resource Points of Contact

POINT OF CONTACT
INDIVIDUAL'S NAME Holly Michael
ORGANIZATION'S NAME Western Association of Fish and Wildlife Agencies
CONTACT'S POSITION CHAT Coordinator
CONTACT'S ROLE point of contact

Resource Constraints

CONSTRAINTS LIMITATIONS OF USE

The (CHAT), available at wafwachat.org, is a non-regulatory tool that allows users to quickly identify crucial habitat in 16 Western states. The Crucial
Habitat map is ranked on a relative scale of 1-6; 1 represents areas most likely to contain natural resources that contribute to crucial habitat and 6 represents areas considered the least likely to contain those resources. Each state had the ability to rank their data using a shared framework, guidelines, and definitions. Information on the process used create the tool, as well as detailed metadata, is available at wafwachat.org.

Spatial Reference ►

ARCGIS COORDINATE SYSTEM
* TYPE Projected
* GEOGRAPHIC COORDINATE REFERENCE GCS_WGS_1984
* PROJECTION WGS_1984_Web_Mercator_Auxiliary_Sphere
* COORDINATE REFERENCE DETAILS
PROJECTED COORDINATE SYSTEM
WELL-KNOWN IDENTIFIER 102100
X ORIGIN -22041545.367140558
Y ORIGIN -33272760.666300893
XY SCALE 135368852.55357128
Z ORIGIN -100000
Z SCALE 10000
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 0.001
Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
LATEST WELL-KNOWN IDENTIFIER 3857
WELL-KNOWN TEXT
PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID
["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION
["Mercator_Auxiliary_Sphere"],PARAMETER["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",0.0],PARAMETER
["Standard_Parallel_1",0.0],PARAMETER["Auxiliary_Sphere_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]

REFERENCE SYSTEM IDENTIFIER
* VALUE 3857
* CODESPACE
EPSG
* VERSION
8.2.6

Spatial Data Properties

VECTOR
* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only
GEOMETRIC OBJECTS
FEATURE CLASS NAME wafwa_chat
* OBJECT TYPE composite
* OBJECT COUNT 1337565
ARCGIS FEATURE CLASS PROPERTIES
FEATURE CLASS NAME
wafwa_chat

- FEATURE TYPE Simple
- GEOMETRY TYPE
  Polygon
- HAS TOPOLOGY FALSE
- FEATURE COUNT 1337565
- SPATIAL INDEX TRUE
- LINEAR REFERENCING FALSE

Distribution

DISTRIBUTION FORMAT
- NAME File Geodatabase Feature Class

TRANSFER OPTIONS
- TRANSFER SIZE 215.485

Fields

DETAILS FOR OBJECT wafwa_chat
- TYPE Feature Class
- ROW COUNT 1337565

FIELD OBJECTID
- ALIAS OBJECTID
- DATA TYPE OID
- WIDTH 4
- PRECISION 0
- SCALE 0
- FIELD DESCRIPTION
  Internal feature number.
- DESCRIPTION SOURCE
  Esri
- DESCRIPTION OF VALUES
  Sequential unique whole numbers that are automatically generated.

FIELD Shape
- ALIAS Shape
- DATA TYPE Geometry
- WIDTH 0
- PRECISION 0
- SCALE 0
- FIELD DESCRIPTION
  Feature geometry.
- DESCRIPTION SOURCE
  Esri
- DESCRIPTION OF VALUES
  Coordinates defining the features.

FIELD Hex_ID
- ALIAS Hex_ID
- DATA TYPE Integer
- WIDTH 4
- PRECISION 0
- SCALE 0

FIELD state
- ALIAS state
- DATA TYPE String
- WIDTH 50
- PRECISION 0
- SCALE 0

FIELD Ter_SOC
- ALIAS Ter_SOC
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD Aq_SOC
- ALIAS Aq_SOC
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD LS_Cond

- ALIAS LS_Cond
- DATA TYPE Integer
- WIDTH 4
- PRECISION 0
- SCALE 0

FIELD Nat_Veg
- ALIAS Nat_Veg
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD LS_Corr
- ALIAS LS_Corr
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD LS_merge
- ALIAS LS_Merge
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD Wet_Rip
- ALIAS Wet_Rip
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD Intact_LS
- ALIAS Intact_LS
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD Spp_Corr
- ALIAS Spp_Corr
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD Ter_SERI
- ALIAS Ter_SERI
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD Aq_SERI
- ALIAS Aq_SERI
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD CH_Rank
- ALIAS CH_Rank
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD fH2O_Int
- ALIAS fH2O_Int
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD Ter_Rank
- ALIAS Ter_Rank
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD Aq_Rank
- ALIAS Aq_Rank
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD SOC
- ALIAS SOC
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD SERI
- ALIAS SERI
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD NonHabitat
- ALIAS NonHabitat
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD Other_A
- ALIAS Other_A
- DATA TYPE SmallInteger
- WIDTH 2
- PRECISION 0
- SCALE 0

FIELD Shape_Length
- ALIAS Shape_Length
- DATA TYPE Double
- WIDTH 8
- PRECISION 0
- SCALE 0
- FIELD DESCRIPTION
  Length of feature in internal units.
- DESCRIPTION SOURCE
  Esri
- DESCRIPTION OF VALUES
  Positive real numbers that are automatically generated.

FIELD Shape_Area
- ALIAS Shape_Area
- DATA TYPE Double
- WIDTH 8
- PRECISION 0
- SCALE 0
- FIELD DESCRIPTION
  Area of feature in internal units squared.
- DESCRIPTION SOURCE
  Esri
- DESCRIPTION OF VALUES
  Positive real numbers that are automatically generated.

Metadata Details

- METADATA LANGUAGE English (UNITED STATES)
- METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset
SCOPE NAME * dataset

- LAST UPDATE 2016-09-20

ARCGIS METADATA PROPERTIES
  METADATA FORMAT ArcGIS 1.0
  STANDARD OR PROFILE USED TO EDIT METADATA FGDC
  METADATA STYLE FGDC CSDGM Metadata
  CREATED IN ARCGIS FOR THE ITEM 2016-09-13 14:34:01
  LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-09-20 14:48:13
  AUTOMATIC UPDATES
    HAVE BEEN PERFORMED Yes
    LAST UPDATE 2016-09-20 14:47:42
  ITEM LOCATION HISTORY
    ITEM COPIED OR MOVED 2016-03-04 11:57:23
      FROM Z:\WAFWA_CHAT\westwide\state updates\2016_january\NM_CHAT_Update_20160106.gdb\WGA_CHAT_downloadable_013016
      TO \\rfs.home.ku.edu\GROUPS\KBS\Houts\WAFWA_CHAT\westwide\state updates\2016_january\WGA_CHAT_downloadable_013016

Metadata Contacts

METADATA CONTACT
  INDIVIDUAL'S NAME Holly Michael
  ORGANIZATION'S NAME Western Association of Fish and Wildlife Agencies
  CONTACT'S POSITION CHAT Coordinator
  CONTACT'S ROLE point of contact