

Oregon Department of Fish & Wildlife
Redband Trout Distribution Coverages Metadata
Date: August 2001

Identification Information

Citation

Originator: Rebecca L. Flitcroft and Jeffrey M. Dambacher
Publication Date: August 2001
Title: Great Basin Redband Trout Stream Distribution Map, Version 1.2.
Publication Information
Publication Location: 28655 Hwy. 34, Corvallis, OR 97333
Publisher: Oregon Department of Fish and Wildlife, Aquatic Inventories Project

Description

Abstract: Presence and absence information of redband trout (*Oncorhynchus mykiss*) in Great Basin streams was compiled from information queries to professional fisheries biologists from the Oregon Department of Fish and Wildlife, the Bureau of Land Management, and the U.S. Forest Service. The resulting data, in point coverage and stream segment level form, was used to classify stream routes on 1:100,000 scale digital line graphs, to portray use by redband trout as being either present, absent, migration corridor, or unknown. Each assertion of use was also classified as being verified by field sampling data, or being based on professional opinion. Distribution limits reflect current, and year round use only. Stream reaches that historically had redband trout, but now do not, and reaches that likely have never had redband trout are both portrayed as absent, as are reaches that have redband trout only seasonally, or during high-water years.

Time Period of Content

Time Period Information
Range of Dates: ca. 1970's to 1999
Currentness Reference Publication Date: August 2001

Status

Progress: Complete
Maintenance and Update Frequency: As needed. Version 1.1 was updated in 2001 with data collected during summer 1999 status review sampling.

Spatial Domain

Bounding Coordinates:
West Bounding Coordinate:
East Bounding Coordinate:
North Bounding Coordinate:
South Bounding Coordinate:

Keywords

Theme: Fish Distribution
Theme Keyword Thesaurus:
Theme Keyword: redband trout
Theme Keyword: stream distribution
Theme Keyword: stream corridors
Place: Great Basin
Place Keyword Thesaurus:
Place Keyword: Oregon

Place Keyword: California

Place Keyword: Nevada

Temporal:

Temporal Keyword Thesaurus: None

Temporal Keyword:

Temporal Keyword:

Temporal Keyword:

Temporal Keyword:

Access Constraints: none

Use Constraints:

Point of Contact

Contact Organization Primary

Contact Organization: Oregon Department of Fish and Wildlife, Aquatic Inventory

Project

Contact Person: Rebeca L. Flitcroft and Jeffrey M. Dambacher

Contact Address:

Address Type: mailing address

Address: 28655 Hwy. 34, Corvallis, OR 97333

City: Corvallis

State: OR

Postal Code: 97333

Contact Voice Telephone: (541) 757-4263

Contact Facsimile Telephone: (541) 757-4102

Cross Reference: none

Data Quality Information

Lineage

Source Information: Sample Site data and summaries

Source Citation

Originator: Aquatic Inventory Project, Oregon Department of Fish and Wildlife

Publication Date: 1990-1998

Title: Fish sampling database

Publisher: Aquatic Inventory Project, unpublished reports

Source Scale Denominator:

Type of Source Media: Field data copies, report summaries, and GIS point coverages on 1:100,000 scale DLG.

Source Time Period of Content

Single Date/Time

Calendar Date: February 1999

Source Currentness Reference: NA

Source Contribution: NA

Source Citation

Originator: Jeffrey Dambacher, Oregon Department of Fish and Wildlife, 28655 Hwy. 34, Corvallis, OR 97333 (541) 757-4263 ext 259

Publication Date: NA

Title: Redband trout distribution in Great Basin Streams

Geospatial Data Presentation Form: unpublished field notes and observations

Publication Information

Publication Place: unpublished

Publisher:
Source Scale Denominator:
Type of Source Media: map annotations
Source Time Period of Content
Single Date/Time
Calendar Date: August 2001
Source Currentness Reference:
Source Contribution:

Source Information

Source Citation

Originator: Wayne Bowers, Oregon Department of Fish and Wildlife, 237 S. Hines Blvd., Hines, OR 97738. (541) 573-6582.

Publication Date: NA

Title: redband trout distribution in Malhear Lakes basin

Geospatial Data Presentation Form: unpublished field notes and observations

Publication Information

Publication Place: unpublished

Publisher:

Source Scale Denominator:

Type of Source Media: map annotations

Source Time Period of Content

Single Date/Time

Calendar Date: February 1999

Source Currentness Reference:

Source Contribution:

Source Information

Source Citation

Originator: Alan Munhall, Bureau of Land Management, 1000 Ninth St S., Lakeview, OR 97680 (541) 947-2177

Publication Date: NA

Title: Redband trout distribution in Warner Valley, Lake Abert, and Goose Lake basins

Geospatial Data Presentation Form: unpublished field notes and observations

Publication Information

Publication Place: unpublished

Publisher:

Source Scale Denominator:

Type of Source Media: map annotations

Source Time Period of Content

Single Date/Time

Calendar Date: February 1999

Source Currentness Reference:

Source Contribution:

Source Citation

Originator: Clay Speas, United States Forest Service, Fremont National Forest, 524 North G. St., Lakeview, OR 97630.

Publication Date: NA

Title: Redband trout distribution in Silver Lake, Warner Valley, Lake Abert, and Goose Lake basins

Geospatial Data Presentation Form: Point data from unpublished field notes collected from USFS surveys, and ODFW Physical and Biological surveys, as well as Aquatic Inventory Project surveys.

Publication Information

Publication Place: unpublished
Publisher:
Source Scale Denominator:
Type of Source Media: GIS point coverage
Source Time Period of Content
Single Date/Time
Calendar Date: February 1999
Source Currentness Reference:
Source Contribution:

Source Citation

Originator: Brian Lampman, Bureau of Land Management, HC 74-12533, Hwy.
20 West, Hines, OR 97738

Publication Date: NA

Title: Redband trout absense in Mountain Creek, of Silvies River, Malheur

Lakes basin

Geospatial Data Presentation Form: unpublished field notes

Publication Information

Publication Place: unpublished

Publisher:

Source Scale Denominator:

Type of Source Media: personal communication to Jeffrey Dambacher, in
confirmation of J.D.'s field observation.

Source Time Period of Content

Single Date/Time

Calendar Date: February 1999

Source Currentness Reference:

Source Contribution:

Source Citation

Originator: Roger Smith and Curtis Edwards, Oregon Department of Fish and
Wildlife, 1850 Miller Island Road West, Klamath Falls, OR 97603-9534; (541) 883-5732.

Publication Date: NA

Title: Redband trout distribution in Silver Lake, Warner Valley, Lake Abert, and

Goose Lake basins

Geospatial Data Presentation Form: unpublished field notes and observations

Publication Information

Publication Place: unpublished

Publisher:

Source Scale Denominator:

Type of Source Media: map annotations

Source Time Period of Content

Single Date/Time

Calendar Date: February 1999

Source Currentness Reference:

Source Contribution:

Source Citation

Originator: Marty Yamagiwa, United States Forest Service, Modoc National
Forest, 800 West 12th St., Alturus, CA 96101.

Publication Date: NA

Title: Redband trout distribution in California portion of Goose Lake basin

Geospatial Data Presentation Form: unpublished field notes and observations

Publication Information

Publication Place: unpublished

Publisher:

Source Scale Denominator:
Type of Source Media: map annotations
Source Time Period of Content
 Single Date/Time
 Calendar Date: February 1999
Source Currentness Reference:
Source Contribution:

Process Step
 Process Description: Information query to professional biologists
 Process Date: July 8, 1998

Process Step
 Process Description: Compilation of data queries
 Process Date: November 1, 1998

Process Step
 Process Description: Map preparation
 Process Date: January, 1999

Process Step
 Process Description: Final Checking of Maps and Printing
 Process Date: February 1, 1999

Process Step
 Process Description: Data review and update.
 Process Date: August 2001

Spatial Data Organization Information
 Direct Spatial Reference method:

Vector Object Information
 Vector Object Type:

Spatial Reference Information
 Horizontal Coordinate System Definition:
 Planar:
 Grid Coordinate System:
 Grid Coordinate System name:
 Scale Factor at Central Meridian:
 Longitude of Central Meridian:
 Latitude of projection Origin:
 False Easting:
 False Northing:
 Planar Coordinate Information:
 Planar Coordinate Encoding Method:
 Abscissa Resolution:
 Ordinate Resolution:
 Planar Distance Units:
 Geodetic model:
 Horizontal Datum Name:
 Ellipsoid Name:
 Semi-major Axis:
 Denominator of Flattening Ratio:

Entity and Attribute Information

Entity and Attribute Description

Entity and Attribute Overview:

Detailed Description:

Entity Type:

Entity Type Label:

Entity Type Definition:

Entity Type Definition Source:

Attribute Label:

Attribute Definition:

Attribute Definition Source:

Attribute Domain Values:

Enumerated Domain:

Enumerated Domain Value Definition:

Enumerated Domain Value Definition Source:

Attribute Label:

Attribute Definition:

Attribute Definition Source:

Attribute Domain Values:

Enumerated Domain:

Enumerated Domain Value Definition:

Enumerated Domain Value Definition Source:

Attribute Label: Class

Attribute Definition:

Attribute Definition Source:

Attribute Domain Values:

Enumerated Domain:

Enumerated Domain Value Definition:

Enumerated Domain Value Definition Source:

Attribute Label: Class

Attribute Definition:

Attribute Definition Source:

Attribute Domain Values:

Enumerated Domain:

Enumerated Domain Value Definition:

Enumerated Domain Value Definition Source:

Entity Type:

Entity Type Label: <BASIN>GIS.AAT

Entity Type Definition: ARC ATTRIBUTE TABLE

Entity Type Definition Source: PROJECT GENERATED CLASSIFICATIONs

Attribute:

Attribute Label: RB

Attribute Definition: REDBAND TROUT USE CLASSIFICATION CODE:

APPLICATION RULES: ON FIRST ORDER STREAMS (AT THE 100K) WITH POINT VERIFIED DATA, THE POINT WILL ALLOW VERIFICATION TO CONTINUE TO THE END OF THE STREAM. HOWEVER, IF IT'S A FIRST ORDER STREAM AND THE VERIFICATION POINT IS FAR FROM THE END OF THE STREAM, LOOK AT SIMILAR STREAMS IN CLOSE GEOGRAPHIC AREA FOR AN IDEA OF THE PROBABLE ENDPOINT.

ON SECOND ORDER STREAMS WITH POINT VERIFICATION DATA, TAKE THE CLASSIFICATION TO THE JUNCTION WITH THE LAST FIRST ORDER TRIBUTARY.

FOR STREAM SEGMENTS THAT HAVE POINT DATA THAT CHANGES FROM PRESENCE TO ABSENCE, DIVIDE PRESENCE AND ABSENCE EQUALLY BETWEEN THE TWO VERIFIED POINTS.

Attribute Definition Source: ASSIGNED:

Attribute Domain Values:

Enumerated Domain:

Enumerated Domain Value: AO

Enumeration Domain Value Definition: ABSENT BASED ON PROFESSIONAL OPINION. THIS CATEGORY IS BASED ON INFORMATION THAT IS A GEOGRAPHICALLY GENERAL. SUCH INFORMATION CANNOT BE TIED TO SPECIFIC POINTS IN SPACE, RATHER IT REFERS TO STREAM SEGMENTS THAT MAY BE CLASSIFIED.

Enumerated Domain Value: AV

Enumeration Domain Value Definition: ABSENT BASED ON VERIFIED (POINT SPECIFIC) INFORMATION. THIS INFORMATION CATEGORY USED PREVIOUS SAMPLING DATA THAT COULD BE REPRESENTED SPATIALLY. POINT SPECIFIC INFORMATION IN WHICH NO FISH WERE FOUND IN THE FIELD PROVIDED THE UNDERLYING DATA SET FOR THIS CATEGORY.

Enumerated Domain Value: PO

Enumeration Domain Value Definition: PRESENT BASED ON PROFESSIONAL OPINION. AS IN THE "AO" CATEGORY, THIS CLASSIFICATION IS BASED ON GEOGRAPHICALLY GENERAL INFORMATION. AREAS WHERE FIELD BIOLOGISTS FELT REDBAND TROUT WERE PRESENT, BUT WHERE THEY HAD NOT BEEN SPECIFICALLY SURVEYED, HAVE BEEN INCLUDED IN THIS CATEGORY.

Enumerated Domain Value: PV

Enumeration Domain Value Definition: PRESENT BASED ON VERIFIED (POINT SPECIFIC) INFORMATION. THIS INFORMATION IS ANALOGOUS TO THE "AV" CATEGORY THAT USED SPECIFIC SAMPLING DATA THAT IS SPATIALLY DISCRETE. SURVEY LOCATIONS WHERE FISH WERE FOUND IN THE FIELD WERE USED AS THE UNDERLYING DATA SET FOR THIS CATEGORY.

Enumerated Domain Value: CO

Enumeration Domain Value Definition: CORRIDOR. THIS CATEGORY ENCOMPASSES THOSE AREAS THAT ARE USED AS MIGRATORY CORRIDORS FOR REDBAND TROUT BUT GENERALLY BELIEVED TO NOT BE USED AS REARING HABITAT. THEREFORE THEIR PRESENCE MAY NOT BE EASILY DETECTABLE WHEN CONDUCTING SURVEYS IN THE FIELD.

Enumerated Domain Value: UN

Enumeration Domain Value Definition: UNKNOWN. IN THESE LOCATIONS, THE PRESENCE OR ABSENCE OF REDBAND TROUT HAS NOT BEEN DETERMINED. THERE ARE NO PROFESSIONAL OPINIONS OR FIELD SAMPLING LOCATION THAT COULD INDICATE THE USE, OR NON-USE OF THE STREAM.

ADDITIONAL CODES RECOMMENDED BUT NOT USED:

Enumerated Domain Value: HO

Enumeration Domain Value Definition: HISTORICAL PROFESSIONAL OPINION. THIS ENCOMPASSES THOSE AREAS WHERE THERE

HAS BEEN NON-SPATIALLY SPECIFIC DOCUMENTATION OF PRESENCE OF REDBAND TROUT THAT IS NOT PART OF THEIR CURRENT DISTRIBUTION.

Enumerated Domain Value: HV

Enumeration Domain Value Definition: HISTORICALLY VERIFIED.

THIS INFORMATION CATEGORY REPRESENTS THOSE LOCATIONS THAT MAY BE GEOGRAPHICALLY REFERENCED THAT HISTORICALLY CONTAINED REDBAND TROUT THAT IS NOT PART OF THEIR CURRENT DISTRIBUTION.

Distribution Information

Distributor

Contact Organization Primary

Contact Organization: Aquatic Inventory Project, Oregon Department of Fish and Wildlife,

Contact Address

Address Type: Mailing Address

Address: 28655 Hwy 34

City: Corvallis

State: OR

Postal Code: 97333

Contact Voice Telephone: (541) 757-4263

Contact Facsimile Telephone: (541) 757-4102

Resource Description: Limited copies available upon request, digital source files available at ODFW FTP site:

Distribution Liability:

Standard Order Process

Digital Form

Digital Transfer Information

Format Name:

Format Version Date:

Format Specification:

Format Content Information:

Transfer Size:

Metadata Reference Information:

Metadata Date: August 2001

Metadata Contact

Contact Information

Contact Person Primary: Rebecca Flitcroft and Jeffrey Dambacher

Contact Person:

Contact Address: 28655 Hwy 34

Address Type: mailing and local

City: Corvallis

State: OR

Postal Code: 97333

Contact Voice Telephone: (541) 757-4263

Contact Facsimile Telephone: (541) 757-4102

Metadata Standard Name:

Metadata Standard Version: