
James R. Strittholt, Ph.D.
Conservation Biology Institute
Corvallis, Oregon  www.consbio.org
Data Basin Thematic Centers give you a focused and directed entry into the broad collection of Data Basin content. Find a Thematic Center that appeals to your interests:

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Critical climate change datasets and findings about impacts, trends or predicted future scenarios.

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Centralized access to critical global data, including full access to the P&D-US v1.1 (CBI Edition).

**Global Forests**
High-quality geospatial datasets and information to aid management of the North American boreal forest biome.

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Setting up a Data Basin account is free. Your account will connect you with:
- networks of spatially inspired people
- expansive and scientifically-credible datasets
- tools to support your exploration, customization, and communication
- educational resources and materials

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**Making a Difference**

**Announcements**
Incentives

- High Scientific Quality
- Greatly Improve Access to Data & Information
- Easy to Use
- User-controlled
- Highly Flexible
- Support Broad Participation
- Incorporate Transparency
- Promote Shared Knowledge
Regional Logic Models
Map areas of high ecological value and level of landscape intactness for regional planning purposes.

Project Impacts Calculator
Analyze specific impacts of development projects.
Logic Models

Multiple factors combined to address a question
Based on Fuzzy Logic

Provides a way of normalizing different types of data into a common range of values ("fuzzy values").

E.g. High Landscape Intactness might take into account:
- Oil wells (point density)
- Roads (linear density)
- Invasive species extent (percent area)
Current Terrestrial Landscape Intactness

Key

- Intactness Results
- Intermediate Results
- Raw Source Inputs

Terrestrial Landscape Intactness

Average (Fuzzy Union)

75 High Veg & Low Development

Min (Fuzzy OR neg)

20 Fire Regime Intactness
80 Low Invasives

Low Permanent Development

Min (Fuzzy OR neg)

Low Urban Development

Sum

Low Linear Development

Min (Fuzzy OR neg)

Ground Transportation Density Utility Line Density Pipeline Density

Low Agriculture Development

Min (Fuzzy OR neg)

Mining Count Geothermal Count Oil & Gas Count

Sum

Low Semi-Permanent Development

Low Energy & Mining Development

Min (Fuzzy OR neg)

Low Natural Habitat Fragmentation

Min (Fuzzy OR neg)

From FRAGSTATS

- High Core Integrity
- Low Number of Patches
- High Percent Natural Core Area
- Low Mean Nearest Neighbor
Current Terrestrial Landscape Intactness
Greater Sage Grouse
Concentration of Conservation Elements and Intactness
# Concentration of Conservation Elements and Intactness

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<th>High</th>
<th>Moderately High</th>
<th>Moderately Low</th>
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Area in acres for all Colorado Plateau Lands