Oregon Recreation Data and Trail Data Standards

Update from the Recreation Data Workgroup

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Oregon Framework Forum Fall 2023

Recreation Framework Data Elements

Recreation Data Standard Focus

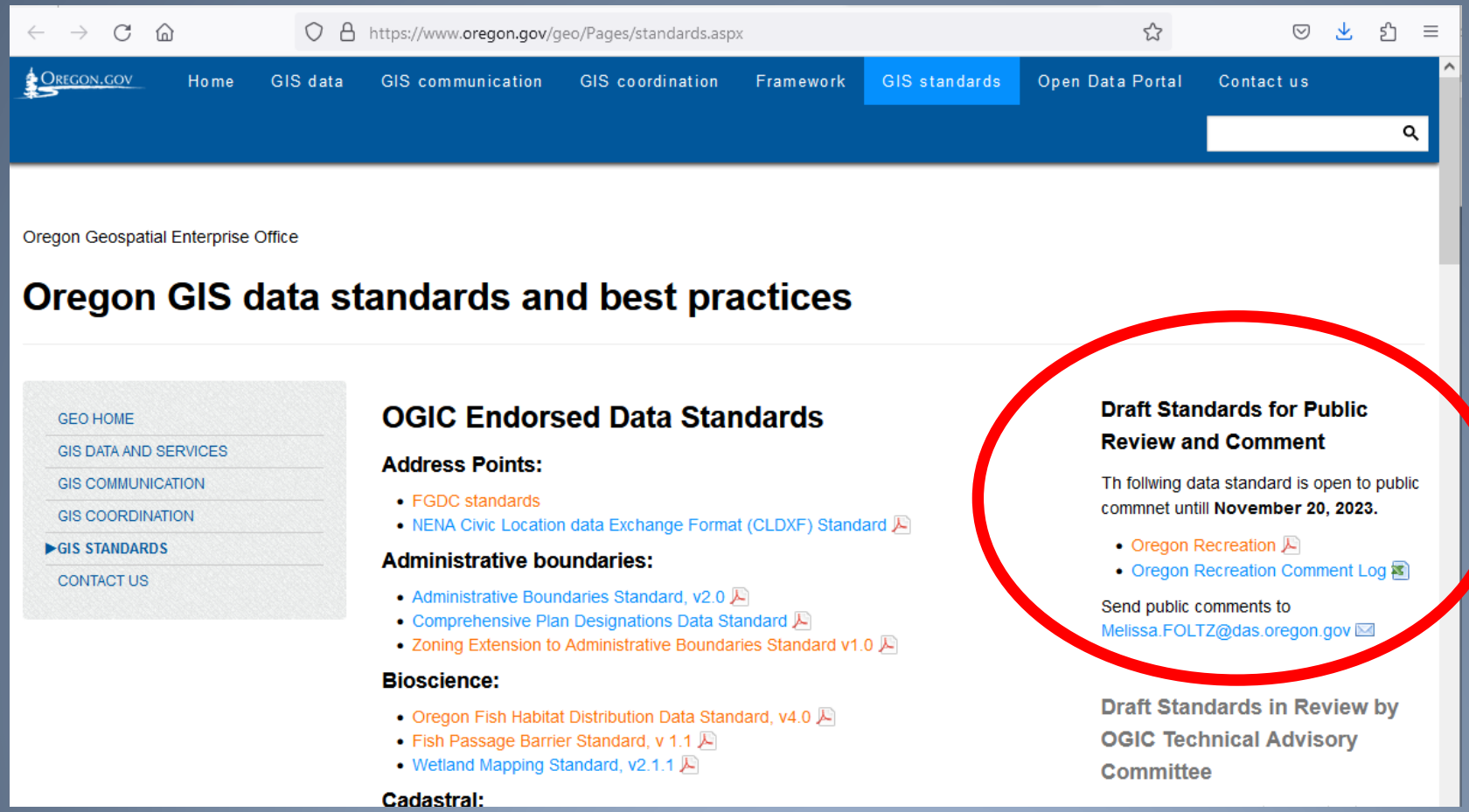
Trail Data Standard Focus

Framework Element	Framework Theme
State park boundaries	Admin Boundaries
National memorials, parks, scenic areas	Admin Boundaries
Recreation sites	Land Use/Land Cover
Monuments/Icons	Preparedness
Trails	Transportation

Existing Data/Standards Review

- FGDC
- Recreation.gov
- PAD-US
- Oregon SCORP
- USFS
- BLM
- NPS
- OSU
- Bend Parks and Rec
- Metro
- Benton County
- City of Corvallis
- National Parks and Recreation Association
- Oregon State Parks
- Oregon Department of Forestry
- Oregon State Marine Board

Recreation Data Standard – Draft Released



Recreation Data Standard

Outdoor Facilities vs Activities

Generally a *Facility* would be a man-made structure or amenity that is used for an *Activity*

- Facilities: boat ramp, playground, interpretive display

- Activities: fishing, paddling, dog walking, bird watching

- Recreational activities occur on/at a facility
- Facilities have physical characteristics, location, dimensions

Recreation Data Standard Hierarchy

Features are meant to include spaces and infrastructure that intentionally support current and future outdoor recreational activities

Park, Historic Area, Forest, Recreation Area, Natural Area, Wildlife Area, School

Polygon

Campground, Trailhead, Boating Facility, Day Use Area, Recreation Site, Historic Site

Point
[Polygon optional]

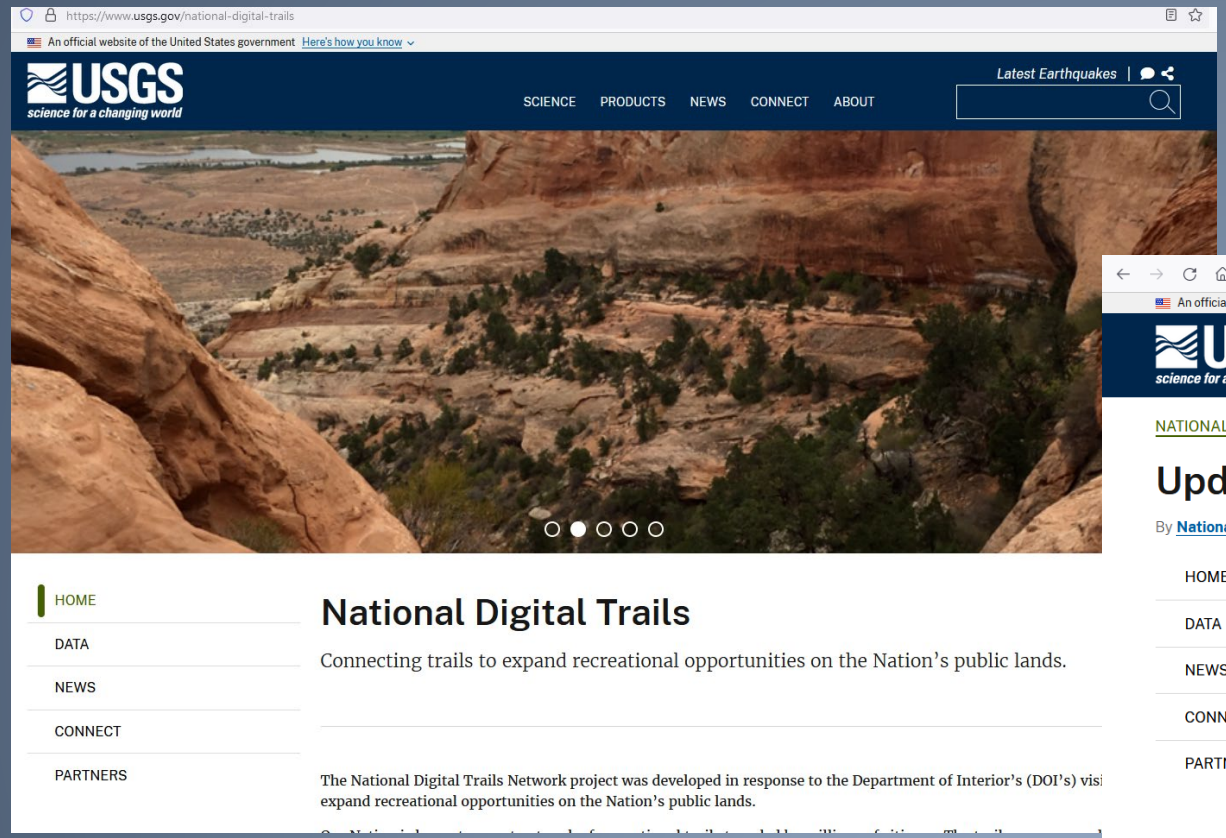
Campsite, Parking, Boat Ramp, Picnic Shelter, Diamond Field, Playground, Restroom, Pool

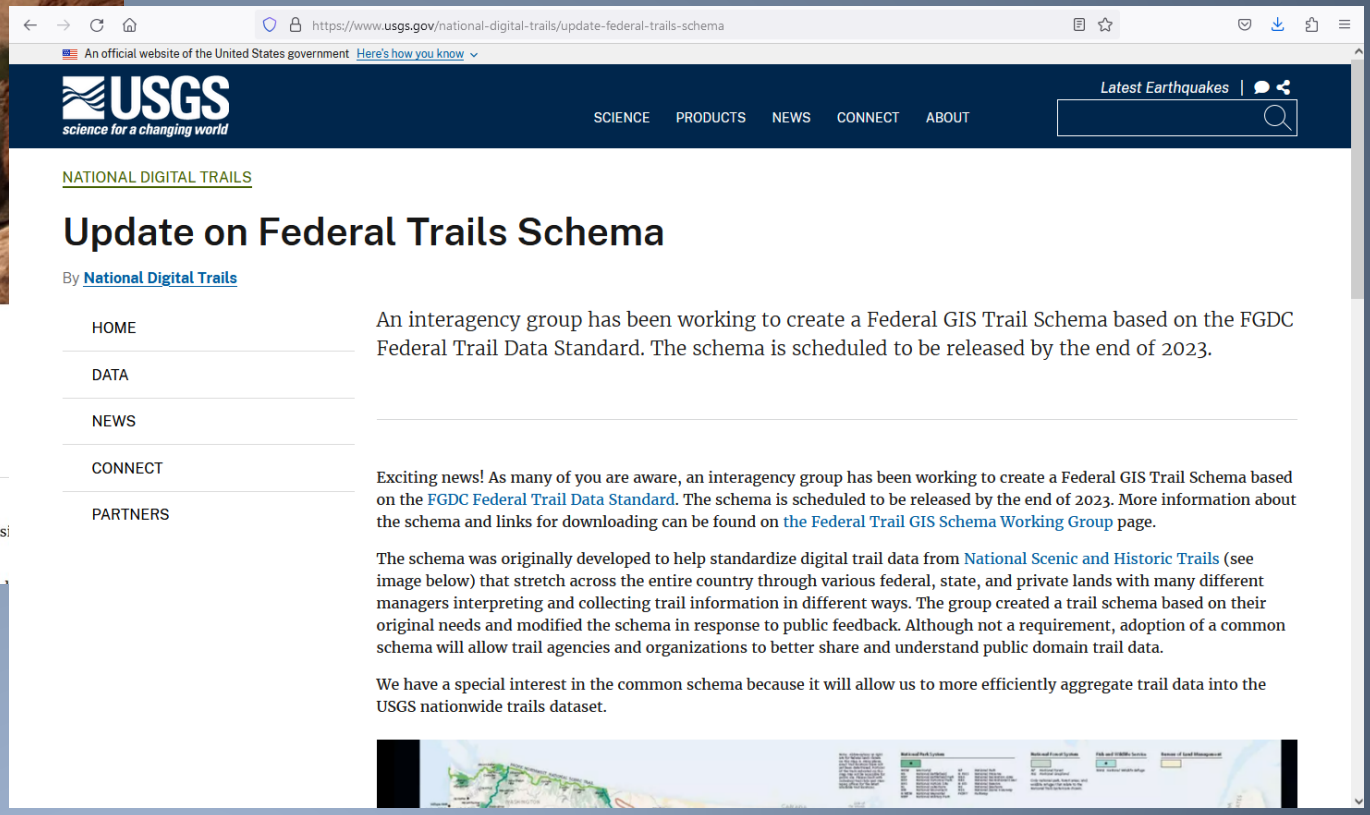
Point

Trail Data Standard

Trail Data Standard

FGDC 2011 Adopted/ Federal Trail GIS Schema (FTGS) 2021





Trail Data Standard

FGDC 2011 Adopted/ Federal Trail GIS Schema (FTGS) 2021

Core Attributes

Naming

Descriptors

Admin/Mgt

Feature level metadata

Attributes
Trail Name
Trail Alternative Name
Map Label
Trail Number
Trail Type
Trail Surface
Trail Class
Trail Use
Type of Route
Primary Trail Maintainer
Administrative Organization
Managing Organization
Agency Data Source
Edit Date
Map Method
XY Accuracy
Notes

- Terra, Snow, Water
- Asphalt, compacted soil, native material, etc.
- Minimally Developed, Moderate, Highly, Fully
- *Hierarchical, multi value, delimited
- Road, Trail, Road/Trail

Trail Data Standard

FGDC 2011 Adopted/ Federal Trail GIS Schema (FTGS) 2021

Core Extended Attributes

Field Name
Designed Use
Managed Use
National Trail Designation
NHT NST Trail Number
NHT NST Trail Administrator
Historic Significance
NHT Certification Status
NHT Condition Category
NHT High Potential Segment
NHT Public Use Segment
NRHP Criteria
Shared System
Road System
State
YYYYMMDD Imported
Feature ID

Hiker/ped, Bicycle, ATV, Cross Country Ski, E Bike, Pack and Saddle, etc.

Multi value, delimited, from [Designed Use] list

*National Historic Trails

Road, Snow Trail, Terra Trail, Water Trail

BLM Road, US Highway, FS Road, State Highway, Local, etc.

Trail Data Standard

Trail User Community Website Attributes

FGDC Match | Derived | Subjective

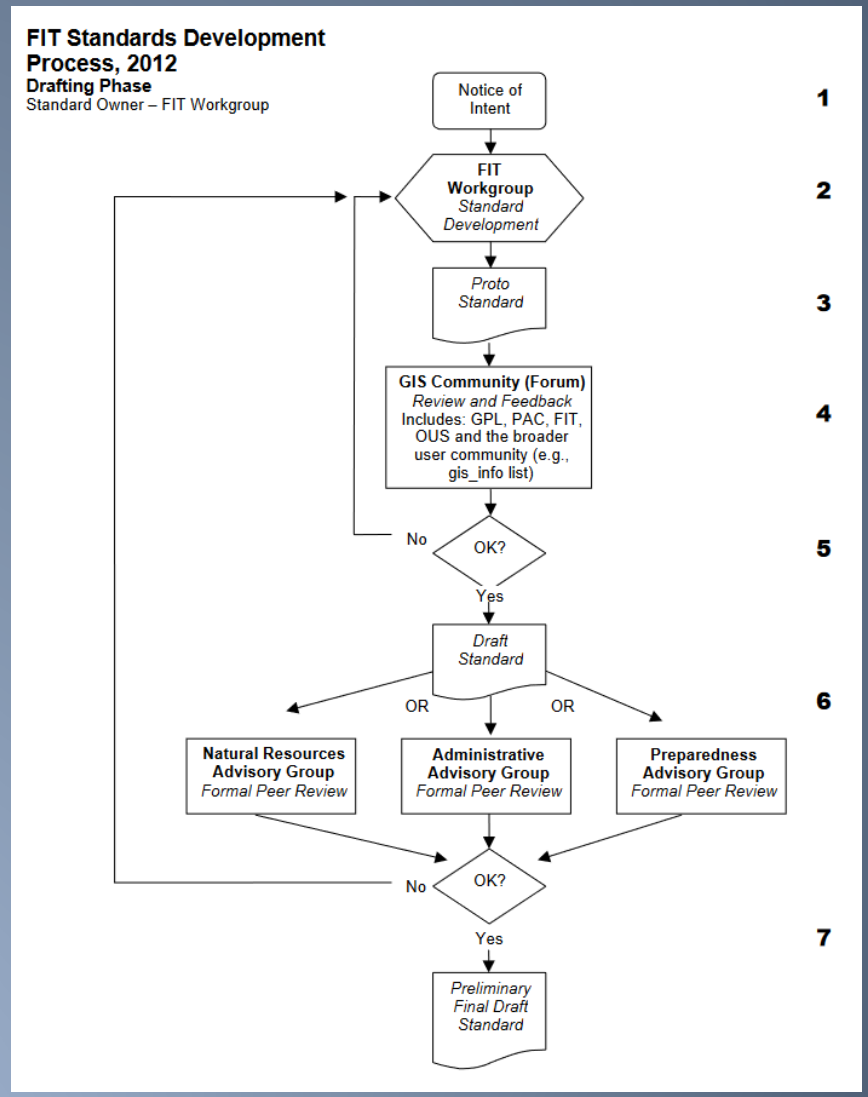
Source	Trail Type (Use Type)	Surface Type	Land Owner/ Manager	Dogs Allowed	Ebikes	Width	Distance	Elev Change	Seasonality	Route Type	Difficulty	Description	Rating	Time to hike	Services
onxmaps.com	1	0	0	0	0	0	1	1	1	0	1	1	1	0	0
MTBProject.com	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
traillink.com	1	1	0	0	0	0	1	0	0	1	0	1	1	0	0
alltrails.com	1	0	0	0	0	0	1	1	0	1	1	1	1	0	1
trailmeister.com	1	0	1	0	0	0	1	0	0	0	1	1	1	0	1
riderplanet-usa.com	1	1	0	0	0	0	1	1	1	0	1	1	1	0	1
trailforks.com	1	0	1	1	1	1	1	1	0	1	1	1	1	0	0
theoutbound.com	1	0	0	0	0	0	1	1	0	1	0	1	1	0	0
wikiloc.com	1	1	0	0	0	0	1	1	0	1	1	1	1	1	1
hikeoregon.net	1	0	0	0	0	0	1	1	0	1	1	1	0	0	0
fatmap.com	1	0	0	1	0	1	1	1	0	0	1	1	0	1	0
myhikes.org	1	1	0	1	0	0	1	1	0	1	1	1	1	1	0
greatruns.com	1	0	0	0	0	0	1	1	0	1	0	1	0	0	0
	13	5	3	4	2	3	13	11	3	9	10	13	10	3	4

Trail Data Standard

Next Steps

Workgroup

- Expansion with additional recreational trail providers
- Complete evaluation of Federal Trail GIS Schema
  - Specific attention to:
    - *Trail Class
    - *Trail Use
    - *Designed Use
    - *Managed Use
- Proto standard development



Questions?

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