

Oregon Recreation Data and Trail Data Standards

Update from the Recreation Data Workgroup

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Recreation Framework Data Elements

Recreation Data
Standard Focus

Trail Data
Standard Focus

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

Existing
Data/Standards
Review

FGDC
Recreation.gov
PAD-US
Oregon SCORP
USFS
BLM
NPS

Metro
Benton County
City of Corvallis
National Parks and Recreation Association
Oregon State Parks
Oregon Department of Forestry
Oregon State Marine Board

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

Recreation areas: Typically based on land ownership or management, but a polygon area that would bound lower level recreation features. Feature is usually a polygon but could be represented as point at small scales.

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



Recreation Data Standard Hierarchy

Recreation sites: Typically, a grouping of discrete facilities for the purpose of displaying a singular location denoting accessibility to a recreational activity. Feature is usually represented as a point [polygon optional]

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



Recreation Data Standard Hierarchy

Recreation facilities: Typically, the most discrete feature that supports recreation activities either directly or indirectly. Feature is a point.

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



Recreation Data Standard Core Attributes

Identification/Relationships

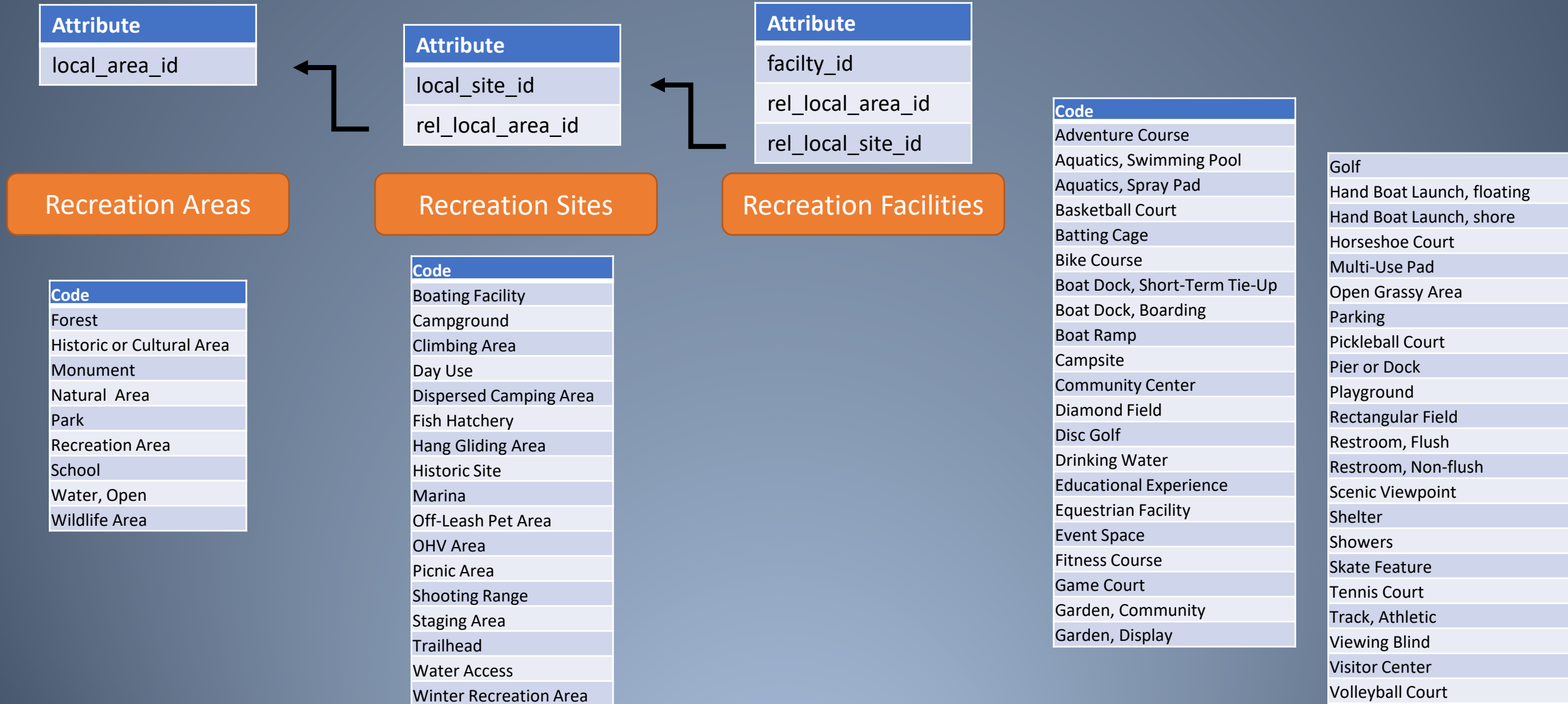
Facility
Management/Visitation

Feature Display

Feature Level Geometry
Metadata

Item Name	Description
facility_id	Unique ID for each recreation feature, generated by data originator
rel_local_area_id	Related local recreation area ID
rel_local_site_id	Related local recreation site ID
facility_type	Type of recreation area, domain limited
name	The official name of the recreation facility established by the managing entity
label	Name used for cartographic display, generally shorter than Rec Name
status	Current status of the feature
status_chg_date	Date the rec status was last updated
status_chg_reason	Reason for change in status (e.g., construction, wildfire, storm damage, etc.)
operating_dates	Information about when the amenity is open to the public (e.g., Mar 1 - Nov 14, Year-Round)
operating_hours	Information about time of day when the amenity is open to the public (e.g., 7am -8pm, Dawn to Dusk)
fees	Boolean
situs	Site address (should be routable for first responders)
manager	The entity responsible for managing the access site. This may be the owner, but not always.
manager_phone	Manager phone number
owner	The entity that owns the access site. This may be the same as the manager, but not always
web_url	Unique Website for facility/feature
photo_url	URL for a photograph of facility/feature
public_display	Boolean. Should this data be shared publicly
orig_entity	Entity that created the feature geometry
geom_source	Data source for the geospatial feature
geom_sourcedate	Geometry data source date
point_type	Type of point geometry represented by the feature

Recreation Data Standard Relationship & Type Domains



Trail Data Standard

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



Core Attributes

Field Name	Description
TRNAME	The local name that the trail or trail segment is officially or legally known by.
TRALTNAME	Alternative name(s) of the trail in proper case.
MAPLABEL	Trail label used for labeling purposes where the official name does not meet the need of a particular cartographic product.
TRNUMBER	The official local numeric or alphanumeric identifier for the trail.
TRTYPE	A category that reflects the predominant trail surface and general mode of travel accommodated by a trail.
TRSURFACE	The predominant surface type the user would expect to encounter on the trail or road segment.
TRCLASS	The prescribed scale of development for a trail, representing its intended design and management standards.
PROHIBITEDUSE	Mode of travel prohibited by official legal order. Applicable Code of Federal Regulations (CFR) is cited and implemented through appropriate enforcement, restriction devices, and signing.
TYPEROUTE	The type of transportation route.
MAINTAINER	The agency or group having primary maintenance responsibility for the trail or trail segment.
ADMINORG	The administrative unit of a federally held parcel of land where the trail or trail segment physically resides.
MANAGINGORG	The unit that has the long-term responsibility for the management of the trail or trail segment.
AGENCYDATASOURCE	Each agency shall identify itself as the source of the FTGS data for the data it has in its database.
EDITDATE	Date the feature was last edited.
MAPMETHOD	How the geospatial feature was derived.
XYACCURACY	An estimate of the measurement error in the horizontal (ASPRS, 2014).
NOTES	Notes or remarks regarding unusual or important aspects of the data.
GEOMETRYID	A unique identifier for the feature geometry controlled by the user. This identifier is the primary key of the dataset for data sharing purposes.

Trail Data Standard

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



Core Extended Attributes

Field Name	Description
DESIGNEDUSE	The Managed Use of a trail that requires the most demanding design, construction, and maintenance parameters and that, in conjunction with the applicable Trail Class, determines which Design Parameters or technical specifications will apply to a trail.
MANAGEDUSE	A mode of travel that is actively managed and appropriate on a trail, based on its design and management. One or more Managed Uses may be identified per trail or trail segment. Use the pipe delimiter " " between each Managed Use with NO spaces before or after the pipe.
NATTRDESIGNATION	The national designation assigned to the trail or trail segment. This includes designations by federal statute for National Historic Trails (NHT), National Scenic Trails (NST), Connecting or Side Trails (C-S), and National Recreation Trails (NRT); and also includes National Millennium Trails (NMT) and Millennium Legacy Trails (MLT).
NHTNSTNUMBER	The National Trail official numeric or alphanumeric identifier for the trail.
NHTNSTADMINISTRATOR	The agency specifically charged with trailwide coordination of National Trails System Act provisions for a designated National Scenic Trail (NST) or National Historic Trail (NHT) by the Secretary of Interior or Agriculture.
HISTSIGNIFICANCE	The officially recognized historic significance of the trail segment, per evaluation criteria for the National Register of Historic Places.
NHTCERTSTATUS	Status of NHT certification agreement for the trail segment on nonfederal land.
NHTCONDCATEGORY	Interagency classification category designed to assess the comparative character of visible trail remnants of the NHT at the time of mapping.
NHTHIGHPOTENTIALSEGMENT	NHT trail segment that has been identified as a NHT High Potential Segment as defined in the NHT Comprehensive Management Plan. For expanded definition of NHT High Potential Segment, refer to NHT Comprehensive Management Plan and the National Trails System Act.
NHTPUBLICUSESEGMENT	NHT trail segment that is currently managed for public use, appreciation and/or viewing.
NRHPCRITERIA	Guideline(s) used to determine historic resource qualifications for listing in the National Register of Historic Places. Criteria as identified in the National Register Bulletin: "How to Apply the National Register Criteria for Evaluation".
SHAREDSYSTEM	Additional network(s) of travelways serving a common need or purpose; managed by an organization with the authority to finance, build, operate and maintain the routes.
ROADSYSTEM	The road network to which the trail or trail segment belongs, in the case of trails occurring on system roads.
STATE	State (or Territory) where the trail or trail segment exists.
YYYYMMDDIMPORTED	Date the data was imported into the FTGS database.
FEATUREID	A static GUID assigned to a feature for maintaining feature association across geometry types, tables or data sets.

Questions?

