TRAIL DATABASE SCHEMA
(8/28/2014)

Trail Data Model for LINES

Function	LONG NAME	GIS NAME	DESCRIPTION
Source	Data Source Agency	dataAgency	Agency or entity that created the dataset where the original line was sourced from.
Source	Date of Last Data Used to Update	sourceDate	Publication date of source dataset, if available.
Source	Date of Last Update	updated	Date line was added to the compiled dataset.
Source	Source Dataset Title	sourceDataset	The name of the source dataset where the line originated from. The name of the source dataset where the line originated from. Methods are "GPS Collection" and "Heads-Up Digitizing."
Name	Trail Name	trailName	Name of the trail.
Name	Trail Number	trailNumber	Trail number. Copy to TRAIL NAME if no value.
Name	Trail System	trailSystem	A recognized trail network (if applicable). Example: Kate's Mountain Loop Trail; Heart of the Highlands; Hatfield-McCoy Trails
Length	Trail Length	trailLength	Trail length, in miles, calculated from geometry. Long distance trails (typically > 75 miles) can be generated from this field.
Surface	Trail Surface	trailSurface	Primary surface of the trail. Types include asphalt, ballast, cinder, concrete, crushed stone, dirt, grass, gravel, sand, woodchips. Ensure consistent in terminology (e.g., dirt instead of soil). Multiple surface types (and location if known) should be noted (e.g; crushed limestone except for asphalt inside municipal limits). As much as possible be consistent with terminology. Refer to the trail brochures as the authority of the surface type
Manager	Managing Org (Trail Manager)	manageOrg	Organization and trail manager with primary management responsibility.
Contact	Contact 1	cid1	Trails Manager Contact 1 (links to Trail Manager Contact Database)
Contact	Contact 2	cid2	Trails Manager Contact 2 (links to Trail Manager Contact Database). Application currently programmed whereby this field is the primary contact or first contact displayed in trail query box.
Location	Municipality	municip	Town/City trail falls within.
Location	County	county	County the trail falls within. Denote "multi" for multiple counties.
Location	State	state	State trail falls within.
Location	Management Area	mgmtArea	Public lands or special management areas that allow public access such as parks or wilderness areas.
Use	Hiking Allowed	hike	(yes/no) Hiking is a recommended/allowed use for this trail.
Use	Backpacking Allowed	backpack	(yes/no) Backpacking is a recommended/allowed use for this trail. Designated campsites are along the trails that permit overnight stay.
Use	Bicycles Allowed	bike	(yes/no) Biking is a recommended/allowed use for this trail. May use NOTES field to annotate "Mountain Bike Trail"
Use	Horses Allowed	horse	(yes/no) Horseback riding is a recommended/allowed use for this trail.
Use	Xc Ski Allowed	Xcski	(yes/no) Cross Country skiing is a recommended/allowed use for this trail.
Use	Interpretive Trail	Interp	(yes/no) This is an interpretative trail (ie, nature or educational trail).
Use	Fitness Trail	Fitness	(yes/no) Fitness stations are available on this trail.
Use	Water Trail	Water	(yes/no) A water trail for family outings on "blue water" or calm water. Certain water trails also allow motor boats.

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Function	LONG NAME	GIS NAME	DESCRIPTION
Use	Motorized Trail	motorized	(yes/no) Off-road motorized vehicles or bikes are allowed on the trail. This field must be checked if the **ATV, OHV**, or **DirtBike** fields are "yes".
Use	ATVs or UTVs Allowed	ATV	(yes/no) Trail is motorized and is suitable for ATVs or UTVs.
Use	OHVs Allowed	OHV	(yes/no) Trail is motorized and is suitable for OHV (4 x 4 large tires).
Use	Dirt Bikes Allowed	dirtbike	(yes/no) Trail is motorized and is suitable for dirt bikes/motorcycles. Usually a single track surface.
Designation	Rail-Trail Designation	**railtrail**	(yes/no) Trails of this type are constructed along abandoned railroad routes
Designation	National Trail Designation	nationalTrail	(yes/no) Add type of National Designation to NOTES field. Some trails may have more than one national designation. National designation of a trail, which can include: 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 (NLT).
Designation	American Disability Act Compliant	ADA	(yes/no) Trails specifically designed for ADA and advertised as such by Trail Managers. Trail surfaces are typically firm, stable, and minimum slope.
Status	Trail status	trailStatus	Open/closed/proposed. Only denote "closed" or "proposed" in field. Null value implies "open" and established trail.
Notes/ Status	Notes	notes	Trial status, condition, or descriptive information. Where appropriate, "date stamp" trail statuses.
Shared Geometry	Shared Trail Segment 1	sharedSegment1	Trail shares same geometry with longer trail. Example: North Bend Trail shares trail segment with American Discovery Trail. The multiSegment field must have a value of 1.
Shared Geometry	Shared Trail Segment 2	sharedSegment2	Trail shares same geometry with two longer trails. Example: Davis Trail in Tucker County shares trail segments with American Discovery Trail (1st segment) and Allegheny Trail (2nd segment). The multiSegment field must have a value of 1.
Shared Geometry	Multiple Segments	multiSegment	Value "1" = multiple segments in trail; null value no multiple segments. Assists with the selection and performance of the application. An example is the American Discover Trail where during the user trail search multiple segments are listed. Designed to assist with long regional trails.

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Trail Data Model for POINTS

Function	LONG NAME	GIS NAME	DESCRIPTION
Feature Type	Points of Interest	Points_Of_Interest	Boat Access, Bridge, Lock & Dam, Overlook, Parking, Picnic Area, Restroom, Steps, Tunnel. Other feature types may be collected as well.
Source	Data Source Agency	dataAgency	Agency or entity that created the dataset where the original line was sourced from.
Source	Date of Last Data Used to Update	sourceDate	Publication date of source dataset, if available.
Source	Date of Last Update	updated	Date line was added to the compiled dataset.
Name	Associated Name or Location	AssociatedName	Add associated name in this priority sequence: (1) Feature (e.g., Tunnel #2) or place name (e.g., Uffington water access); (2) public lands area or management area (Coopers Rock State Forest), and (3) Trail name (e.g., Raven Rock Trail)
Notes	Notes	Notes	Miscellaneous information that may be useful for customized maps

Notes: Only one location field needs to be completed.

Trail Contacts Table

Field Names
ID
Organization Name
Address Line 1
Address Line 2
City
State
Zip
County
Last Name
First Name
Title
Website
email
email2
Area Code
Phone
Comments

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Definitions for Trail Use or Trail Designation

Trail Use or Designation	Category	Description
NON-MOTORIZED		
Hiking	Walking	Hiking allowed.
Backpacking	Walking	Backpacking is an extended hike, typically overnight, requiring the trail visitor to carry additional equipment, such as a tent, sleeping bag, cook stove, food and personal items. Designated campsites are along the trails that permit overnight stay.
Bicycling	Bicycling (road and mountain biking).	Cycling on back roads, scenic highways, trail connectors, rail trails, and mountain trails. Trail surfaces are either paved/hard surface or natural terrain. May use NOTES field to annotate "Mountain Bikes recommended."
Equestrian	Horseback Riding	Trails that allow horseback riding.
X-Country Skiing	Skiing	Trails that promote or can accommodate cross-county skiing.
Interpretive	Educational	A trail used for educational or interpretive purposes which often has a theme. Examples include the Core Arboretum Trail in Morgantown, a network of nature trails that offer interpretation of local flora and fauna through signage and brochures, and the C&O Canal National Historic Park, which provides interpretation of the historically significant sites along the park's trails.
Fitness	Physical Fitness	A fitness trail is equipped with obstacles or stations distributed along its length for exercising the human body to promote good health. The course is designed to promote physical fitness training.
Water Trails	Water	Water trail for family outings on "blue water" or calm water.
MOTORIZED		
Motorized	**OHV (large tires/ jeeps) ATV-UTV (small tires) Dirt Bike**	A coalition of motorized *off-road* recreational trail users, including **Off-Highway Vehicles (OHV)** with large tires, **All-Terrain Vehicles (ATV)** and **Utility Terrain Vehicles (UTV)** with small tires, and **dirt bikes**. Only check motorized if OHV, ATV, or Dirt Bike off-road categories checked.
DESIGNATIONS		
Rail Trails	Rail Trails Designation	Trails of this type are constructed along abandoned railroad routes feature minimal uphill gradients, providing excellent trail use opportunities for individuals of all physical abilities. Rail trails can be in urban or remote areas and may extend for long distances. No types of *canal trails* exist in West Virginia.
National Trails	National Trail Designation	The National Trails System Act (PL 90-543) created the National Trails System (NTS) in 1968. The act authorized a national system of trails to provide additional outdoor recreation opportunities and to promote the preservation of

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Trail Use or Designation	Category	Description
		access to the outdoor areas and historic resources of the nation. National Scenic Trails (NSTs like the Appalachian Trail are protected continuous scenic corridors designated by Congress. National Historic Trails (NHTs) follow routes of national historic significance. National Recreation Trails (NRTs) are typically reasonably accessible to urban areas. They may be on federal, state or private lands. National Millennium Trails - These are trails of national significance—large, visionary projects that allow users to walk or bike to national wonders, trace historic canals and commercial routes or commemorate trails of discovery and migration. National Wild and Scenic Rivers
ADA	Disabilities Designation	Trails specifically designed for Americans with Disabilities Act (ADA) accessibility and advertised/promoted as such by Trail Managers. Trail surfaces are typically firm, stable, and minimum slope. Only trails that advertise ADA capabilities by the trail managers are marked. Example: Caperton Rail Trail.
TRAIL LENGTH		
Long Distance	Designation based on calculated length of trail.	Trails generally greater than 75 miles in length

Conditions for Trail Uses and Reports

Condition	Criteria
Long Trails	**Trail Length** > than 75 miles
Motorized Trails on Land	**Motorized** and **ATV** or **OHV** or **Dirt Bike** trails

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Data Collection Notes

- **WV DNR Wildlife Management Areas** (WMA) and **U.S. Forest Service** trail lines may be replaced in entirety (with validation) by data updates from these agencies.
- WMA Trails Disclaimer: Trails in Wildlife Management Areas (WMA) are maintained by the WV Div. of Natural Resources. Primarily designated for hunting and fishing access, WMA trails typically are neither named nor permanent.
- Duplicate geometry may exist for **loop trails** and **short trails less than one mile**. Long regional trails like the American Discovery Trail and Allegheny Trail have shared segments entered in the geodatabase.
- Don't segment trails by different surface type attributes. Input multiple surface types in TRAIL SURFACE field and explain in NOTES field. Example: "Starts as packed gravel. Changes to dirt after boardwalk.
- Where possible, collect polygons of trail areas that are not part of the public lands database (city and regional parks, Nature Conservancy Lands, etc.)