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Recreation Information Database (RIDB)

Web Service Manual

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# RIDB Web Services Manual

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## 2. Federal Data Quality Information

In compliance with Public Law 106-554 regarding federal data quality, the following information is provided in relation to information obtained from this site ([ridb.recreation.gov](http://ridb.recreation.gov)).

Users of this federally provided data understand and accept the following:

1. This information is provided as “general reference” information.
2. Information is provided for the sole purpose of describing outdoor recreation-related opportunities on federally managed lands and may not be inclusive of all federal opportunities.
3. This information is provided by, and periodically updated by, participating federal agencies and it is the user’s responsibility to check for and obtain revised information.
4. This site does not control nor guarantee the accuracy, relevance, timeliness or completeness of information contained on a website URL provided in the dataset downloaded.
5. This site does not endorse the organizations sponsoring linked websites, and we do not endorse the views they express or the products/services they offer.
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8. This site is not responsible for transmissions that users receive from linked websites provided within the datasets downloaded.
9. This site does not guarantee that outside websites comply with Section 508 (Accessibility Requirements) of the Rehabilitation Act.

## 3. Introduction

The Recreation Information Database (RIDB) provides data resource to citizens, offering a single point of access to information about recreational opportunities nationwide. The web site represents an authoritative source of information and services for millions of visitors to federal lands, historic sites, museums, and other attractions/resources. This initiative integrates multiple Federal channels and sources for find out about recreation opportunities into a one-stop, searchable database of recreational areas nationwide. This document describes the process to extract data from the RIDB using the menu driven process. This is also a technical document which describes how to message and interface with the RIDB Web Services. This document assumes that the reader is familiar with web services and understands terminology such as HTTP, GET, POST, WSDL, UDDI, SOAP, etc.

The RIDB Web Services are "classic" web services because they are:

- Self-describing via their own WSDL documents, and
- Communicate with clients via SOAP over HTTP/HTTPS.

## 4. Intended Audience

This document is intended for the general public. It provides instructions on how to extract data from the RIDB.

The data is provided at no cost in order to encourage wide distribution and regular updates to different publications, databases, and websites, so customers can receive correct information from many different systems.

You are invited to use the trip planning data about Federal recreation sites in your publication, website, or computer system. You can download and use the trip planning data at no cost, and with no copyright issues.

There is no need to contact us before incorporating the data into your system. In exchange, we encourage you to provide a link to Recreation.gov and acknowledge credit, such as Data Source: [ridb.recreation.gov](http://ridb.recreation.gov)

## 5. Retrieving RIDB Data via Menu

Data from the Recreation Information Database (RIDB) can be retrieved using the menu driven process accessed at <http://ridb.recreation.gov/>.

It is not necessary to log in to the RIDB to retrieve data. Select "[Data Sharing](#)" from the RIDB home page. Using the drop down menus, make appropriate selections to extract data records from the RIDB. There are options to retrieve all data contained in the RIDB, data for an entire agency, or data for a specific organization within an agency. The resulting links will allow the selection of:

Recreation Area and Facility Information:

1. All rec area and facility data elements in the RIDB based on the retrieval criteria selected
2. Recreation Area data elements based on the retrieval criteria selected

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3. Facility data elements based on the retrieval criteria selected

### Site Level Information:

1. All site level data elements in the RIDB based on the retrieval criteria selected
2. Campsite site data elements based on the retrieval criteria selected
3. Tour site data elements based on the retrieval criteria selected
4. Permit site data elements based on the retrieval criteria selected

\* Output will be provided in XML format.

## 6. Retrieving the WSDLs

Web services publish their own API in an XML format called Web Service Definition Language (WSDL). The WSDLs must be retrieved directly from each of the web services, as shown below.

- Recreation Area and Facility Data:
  - <http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?wsdl>
- Site level data:
  - <http://ridb.recreation.gov/webservices/RIDBServiceSite.cfc?wsdl>
- Advanced Search
  - <http://ridb.recreation.gov/webservices/RIDBServiceAdv.cfc?wsdl>

Some RIDB web service methods fetch data via an HTTP GET request. Some of those methods accept parameters, which are passed in the URL as part of a GET request.

As shown in the WSDLs, the method calls and their respective URLs for the methods are listed below. For cases in which the method accepts parameters, sample parameters are included.

\* Note that the WSDLs, and not this document, are the final word on the precise format of these method signatures.

\*\* Note that some of the example links below provide a sample organization ID (e.g. OrgID=128). Remember to use the dropdowns under “[data sharing](#)” to navigate to the organization you wish to receive data for and use the links provided to get the correct Org ID. Use -1 as the OrgID to retrieve data for all organizations.

## 7. Recreation Area and Facility (RIDBService) Methods

The following method returns RIDB data in the REC.xsd, or Recreation.gov schema format. Note: Recreation.Gov Facilities map to both RIDB RecAreas and RIDB Facilities.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getRecGovFacilities>

The following method returns all RIDB Elements that are currently supported. This method uses the RecML schema format.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllElements>

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The following method returns RIDB elements that relate to the input Organization and all sub-Organizations for a given OrgID (and its sub-orgs). All elements related to those Organizations are returned.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllRecElementsForOrgID&OrgID=128>

The following method returns facility-related RIDB elements, by Organization and all sub-Organizations for a given OrgID (and its sub-orgs). All facilities and elements related to those facilities are returned.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllFacilityElementsForOrgID&OrgID=128>

The following method returns RecArea-related RIDB elements, by Organization and all sub-Organizations for a given OrgID (and its sub-orgs). All RecAreas and elements related to those RecAreas are returned.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllRecAreaElementsForOrgID&OrgID=128>

Note: Unless otherwise indicated, all of the following methods use the RecML schema format.

The following method returns all RIDB Facilities.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllFacilities>

The following method returns all RIDB RecAreas.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllRecAreas>

The following method returns all RIDB Facilities that relate to the single Organization specified by the input OrgID.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllFacilitiesForOrgID&OrgID=128>

The following method returns all RIDB RecAreas that relate to the single Organization specified by the input OrgID.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllRecAreasForOrgID&OrgID=128>

The following method returns all RIDB Organizations.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllOrganizations>

The following method returns all RIDB Activities.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllActivities>

The following method returns all RIDB Facility Addresses.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllFacilityAddresses>

The following method returns all RIDB RecArea Addresses.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllRecAreaAddresses>

The following method returns all RIDB Facility Activities.

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<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllFacilityActivities>

The following method returns all RIDB RecArea Activities.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllRecAreaActivities>

The following method returns all RIDB RecArea Facilities.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllRecAreaFacilities>

The following method returns all RIDB Org Facilities.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllOrgFacilities>

The following method returns all RIDB Org RecAreas.

<http://ridb.recreation.gov/webservices/RIDBServiceNG.cfc?method=getAllOrgRecAreas>

### 8. RIDBService XML Schema Definition (XSD)

The RIDBService XSD can be found online at <http://ridb.recreation.gov/webservices/RIDBServiceNG.xsd>

### 9. Site Level Data (RIDBServiceSite) Methods

The following method returns all RIDB Site Elements:

<http://ridb.recreation.gov/webservices/RIDBServiceSite.cfc?method=getAllSiteElementsForOrgID&OrgID=128>

The following method returns all RIDB Campsite Elements:

<http://ridb.recreation.gov/webservices/RIDBServiceSite.cfc?method=getAllCampsitesForOrgID&OrgID=128>

The following method returns all RIDB Permit Site Elements:

<http://ridb.recreation.gov/webservices/RIDBServiceSite.cfc?method=getAllPermitEntrancesForOrgID&OrgID=128>

The following method returns all RIDB Tour Site Elements:

<http://ridb.recreation.gov/webservices/RIDBServiceSite.cfc?method=getAllToursForOrgID&OrgID=128>

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### 10. Sample RIDBServiceSite XML Schema Definition (XSD)

The RIDBServiceSite XSD can be found online at <http://ridb.recreation.gov/webservices/RIDBServiceSite.xsd>

### 11. Advanced Search (RIDBServiceAdv) Methods

The following method returns RIDB facilities, recreation areas, and site level data based on search criteria specified:

<http://ridb.recreation.gov/webservices/RIDBServiceAdv.cfc?method=ExportbySearchCriteria&format=XML&searchText=&checkrecarea=true&checkFacility=true&listActivity=4&listState=AL&listOrg=132&maxResults=10&startIndex=0&sortColumn=0&sortdir=asc>

Parameters available:

Parameter	Data Type	Description
searchText	String	Text to search for. Limit: 100 characters
checkRecArea	Boolean	Include Rec Areas (true/false)
checkFacility	Boolean	Include Facilities (true false)
listActivity	String	Comma delimited list of activity IDs
listState	String	Comma delimited list of state abbreviations
listOrg	String	Comma delimited list of org IDs
maxResults	Numeric	Maximum results per batch. Limit: 50
startIndex	Numeric	Start row of current batch (0 based)
sortColumn	Numeric	Column results sorted on (column ID 0/1/2)
Sortdir	Numeric	Sort direction (asc/desc).
format	String	Export format. Possible values: "XML" or "JSON"

The following method returns a single recreation area or facility based on the parameters provided:

<http://ridb.recreation.gov/webservices/RIDBServiceAdv.cfc?method=ExportbyEntityIDandEntityType&format=XML&EntityID=1977&EntityType=RecArea>



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Parameters available:

Parameter	Data Type	Possible Values
entityID	Numeric	Facility or Recreation Area ID
entityType	String	Possible values: "Facility" or "RecArea"
format	String	Export format. Possible values: "XML" or "JSON"

## 12. RIDB Data Dictionary

### 12.1. Organization

Organization the recreation area or facility is associated to (e.g. U.S. Forest Service, National Park Service)

Field Name	Format	Length	Optional	Description
OrgID	INT		N	Organization ID
OrgName	STRING	60	N	Full name of organization
OrgAbbrevName	STRING	20	Y	Abbreviated name of the organization
OrgURLAddress	STRING	256	N	Internet address (URL) for web site of the organization responsible for submitting and maintaining the data to be exchanged
OrgURLText	STRING	256	Y	Optional Readable text that provides the URL address link
OrgImageURL	STRING	256	Y	Internet address (URL) that hosts the sample image or photo of the organization
OrgType	STRING	40	Y	Organization type
OrgJurisdictionType	STRING	20	Y	Organization jurisdiction type
Enabled	BIT		N	Is the Organization Active

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### 12.2. OrgRecAreaRole

Joins organizations to recreation areas (the “role” portion of this name has been deprecated)

Field Name	Format	Length	Optional	Description
OrgID	INT		N	Foreign Key: Organization OrgID
RecAreaID	INT		N	Foreign Key: RecArea RecAreaID
OrgRecAreaReason	STRING	60	Y	Brief Reason (Not currently used)

### 12.3. OrgFacilityRole

Joins organizations to facilities (the “role” portion of this name has been deprecated)

Field Name	Format	Length	Optional	Description
OrgID	INT		N	Foreign Key: Organization OrgID
FacilityID	INT		N	Foreign Key: Facility FacilityID
OrgFacilityRoleReason	STRING	60	Y	Brief Reason (Not currently used)

### 12.4. RecArea

Recreation area records (e.g. Yosemite National Park, Aldo Leopold Wilderness)

Field Name	Format	Length	Optional	Description
RecAreaID	INT		N	RecArea ID
OrgRecAreaID	INT		Y	Foreign Key: Organization OrgID
RecAreaName	STRING	256	N	Full Name of the recreational area
RecAreaDescription	STRING	MAX*	N	Text that describes the recreational area
RecAreaDirections	STRING	MAX*	Y	Directions to the recreational area

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Field Name	Format	Length	Optional	Description
RecAreaFeeDescription	STRING	MAX*	Y	Text describing monetary charges associated with entrance to or usage of a recreational area
RecAreaMapURL	STRING	256	Y	Internet address (URL) that hosts the recreational area map
RecAreaReservationURL	STRING	256	Y	Internet address (URL) for the web site hosting the reservation system
RecAreaPhone	STRING	256	Y	Phone number for recreational area
RecAreaEmail	STRING	256	N	Email address of the recreational area
RecAreaLatitude	DECIMAL		Y	Latitude in decimal degrees - 90.0 to 90.0
RecAreaLongitude	DECIMAL		Y	Longitude in decimal degrees - 180.0 to 180.0
Enabled	BIT		N	Is the recreational area Active
Keywords	STRING	4000	Y	List of keywords for the recreational area
StayLimit	STRING	500	Y	Details on the stay limits for the recreational area

### 12.5. Facility

Facility records (e.g. Yellowstone Group Campground, Barnum Whitewater Area)

Field Name	Format	Length	Optional	Description
FacilityID	INT		N	Facility ID
OrgFacilityID	INT		N	Foreign Key: Organization OrgID
FacilityName	STRING	256	N	Full name of the facility

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Field Name	Format	Length	Optional	Description
FacilityTypeDescription	STRING	1024	Y	Description of the type of facility
FacilityPhone	STRING	256	Y	Phone number of the facility
FacilityDescription	STRING	MAX*	N	Text describing the main features of the facility
FacilityDirections	STRING	MAX*	Y	Text that provides general directions and/or the general location of the facility
FacilityEmail	STRING	60	Y	Email address of the facility
FacilityMapURL	STRING	256	Y	Internet address (URL) that hosts the facility map
FacilityReservationURL	STRING	256	Y	Internet address (URL) for the web site hosting the reservation system
FacilityLatitude	DECIMAL		Y	Latitude in decimal degrees -90.0 to 90.0
FacilityLongitude	DECIMAL		Y	Longitude in decimal degrees -180.0 to 180.0
FacilityAdaAccess	STRING	1024	Y	Information about the Americans with Disabilities Act accessibility for the facility
FacilityUseFeeDescription	STRING	MAX*	Y	Text describing monetary charges associated with entrance to or usage of the facility
Enabled	BIT		N	Is the facility active
LastUpdatedBy	INT		N	ID of the Data Steward that last updated the Facility
LegacyFacilityID	STRING	20	Y	Legacy facility ID
Keywords	STRING	4000	Y	List of keywords for the facility
StayLimit	STRING	500	Y	Details on the stay limits for the facility

## 12.6. RecAreaActivity

Joins recreation areas to associated activities

Field Name	Format	Length	Optional	Description
RecAreaID	INT		N	Foreign Key: RecArea RecAreaID
ActivityID	INT		N	Foreign Key: RecreationalActivity ActivityID
RecAreaActivityDescription	STRING	1024	Y	Description of the recreational area activity
RecAreaActivityFeeDescription	STRING	1024	Y	Text describing monetary charges associated with the activity

## 12.7. FacilityActivity

Joins facilities to associated activities

Field Name	Format	Length	Optional	Description
FacilityID	INT		N	Foreign Key: Facility FacilityID
ActivityID	INT		N	Foreign Key: RecreationalActivity ActivityID
FacilityActivityDescription	STRING	1024	Y	Description of the facility activity
FacilityActivityFeeDescription	STRING	1024	Y	Text describing monetary charges associated with the activity

## 12.8. RecreationalActivity

List of all activities

Field Name	Format	Length	Optional	Description
ActivityID	INT		N	Activity ID
RecActivityName	STRING	60	N	Name of the activity

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Field Name	Format	Length	Optional	Description
RecActivityLevel	INT		N	Amount of physical exertion to be expected for a given activity such as hiking, swimming, etc

### 12.9. RecAreaAddress

Recreation area addresses

Field Name	Format	Length	Optional	Description
AddressID	INT		N	Address ID
StreetAddress1	STRING	256	Y	Address Line 1 of the recreational area
StreetAddress2	STRING	256	Y	Address Line 2 of the recreational area
StreetAddress3	STRING	256	Y	Address Line 3 of the recreational area
City	STRING	60	Y	City where the recreational area is located
AddressStateCode	STRING	20	N	State code for the recreational area
PostalCode	STRING	20	Y	Postal code for the recreational area
AddressCountryCode	STRING	5	Y	Abbreviated country code for the recreational area address
RecAreaID	INT		N	Foreign Key: RecArea RecAreaID
RecAreaAddressType	STRING	20	Y	Address Type for the recreational area

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### 12.10. FacilityAddress

Facility addresses

Field Name	Format	Length	Optional	Description
AddressID	INT		N	Address ID
StreetAddress1	STRING	256	Y	Address Line 1 of the facility
StreetAddress2	STRING	256	Y	Address Line 2 of the facility
StreetAddress3	STRING	256	Y	Address Line 3 of the facility
City	STRING	60	Y	City where the facility is located
AddressStateCode	STRING	20	N	State code for the facility
PostalCode	STRING	20	Y	Postal code for the facility
AddressCountryCode	STRING	5	Y	Abbreviated country code for the facility address
FacilityID	INT		N	Foreign Key: Facility FacilityID
FacilityAddressType	STRING	20	Y	Address type for the facility

### 12.11. RecAreaEvent

Joins recreation areas to associated events

Field Name	Format	Length	Optional	Description
RecAreaID	INT		N	Foreign Key: RecArea RecAreaID
EventID	INT		N	Foreign Key: Event EventID

### 12.12. FacilityEvent

Joins facilities to associated events

Field Name	Format	Length	Optional	Description
FacilityID	INT		N	Foreign Key: Facility FacilityID
EventID	INT		N	Foreign Key: Event EventID

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### 12.13. Event

List of all events (e.g. Boat race, Archery Tournament)

Field Name	Format	Length	Optional	Description
EventID	INT		N	Event ID
EventDataStewardID	INT		Y	Data Steward ID for the event
EventName	STRING	60	N	Full Name of the event
EventStartDate	DATETIME		N	Calendar date on which event is scheduled to begin
EventDescription	STRING	1024	N	Text that provides a synopsis of an event
EventAgeGroup	STRING	20	Y	Age group for the event if available
EventURLAddress	STRING	256	Y	Internet address (URL) to a web site providing details about the event
EventURLText	STRING	256	Y	Optional text for the URL of the event
EventEmail	STRING	60	Y	Email contact for event
EventRegistrationRequired	BIT		N	Code requesting a Yes or No response to determine whether registration is required for an event
EventADAAccess	STRING	1024	Y	Information about the Americans with Disabilities Act



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Field Name	Format	Length	Optional	Description
				accessibility for the event
EventFeeDescription	STRING	1024	Y	Text for the description of fees associated with this event
EventComments	STRING	1024	Y	Text for the general occasion or activity to be offered
EventFrequencyRateDescription	STRING	1024	Y	Text that describes how often the event recurs
EventScopeDescription	STRING	1024	Y	Text that describes the extent, capacity, and scale of an event.
EventTypeDescription	STRING	1024	Y	Text that describes the types of events
SponsorName	STRING	60	Y	Full Name of the sponsor for the event
SponsorEmail	STRING	60	Y	Sponsor email address for the event
SponsorURLAddress	STRING	256	Y	Internet address (URL) to a web site for the sponsor
EventEndDate	DATETIME		N	Calendar date on which event is scheduled to end
SponsorURLText	STRING	256	Y	Optional Readable text that provides the URL Sponsor link

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Field Name	Format	Length	Optional	Description
SponsorPhone	STRING	20	Y	Phone Number for the sponsor of the Event
SponsorClassType	STRING	20	Y	Class and type of sponsor

### 12.14. RecAreaFacility

Joins recreation areas to associated facilities

Field Name	Format	Length	Optional	Description
RecAreaID	INT		N	Foreign Key: RecArea RecAreaID
FacilityID	INT		N	Foreign Key: Facility FacilityID

### 12.15. EntityLink

Hyperlink to an external site (e.g. Agency site, Facebook, Twitter)

Field Name	Format	Length	Optional	Description
EntityType	STRING	50	N	RecArea or Facility
EntityID	INT		N	Foreign Key: (RecArea RecAreaID) OR (Facility FacilityID)
LinkType	STRING	500	N	Type of link, e.g. Facebook, Twitter, Official site
URL	STRING	2000	N	Internet address (URL) to a web site
Title	STRING	500	N	Full text title
Description	STRING	MAX*	Y	Text description of the entity link

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### 12.16. EntityMedia

Media links (e.g. images, video)

Field Name	Format	Length	Optional	Description
EntityType	STRING	50	N	RecArea, Facility, Tour, Entrance, or Site
EntityID	INT		N	Foreign Key: (RecArea RecAreaID) OR (Facility FacilityID) OR (Tour TourID) OR (PermitEntrance PermitEntranceID) OR (Campsite CampsiteID)
MediaType	STRING	500	N	Type of Media, e.g. Image, Video, etc.
URL	STRING	2000	N	Internet address (URL) to the entity media
Title	STRING	500	N	Full title of the entity media
Subtitle	STRING	1000	Y	Optional subtitle of the entity media
Description	STRING	MAX*	Y	Optional description of the entity media
Credits	STRING	1000	Y	Optional credit for entity media
Height	INT		N	Height in pixels for media image
Width	INT		N	Width in pixels for the media image
EmbedCode	STRING	MAX*	Y	Optional embedded code for media entity

### 12.17. Campsite

Campsite records

Field Name	Format	Length	Optional	Description
CampsiteID	INT		N	Campsite ID
FacilityID	INT		N	Facility ID the campsite belongs to
CampsiteName	STRING	255	N	Campsite Name
CampsiteType	STRING	255	Y	Campsite Type
Loop	STRING	255	Y	Name of loop the campsite resides on

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Field Name	Format	Length	Optional	Description
Type of Use	STRING	255	Y	Type of use
CampsiteAccessible	STRING	10	Y	Is the campsite accessible by vehicle
CreatedDate	DATETIME		N	Record creation date
LastUpdateDate	DATETIME		N	Record last update date
LastUpdatedBy	INT		N	Record last updated by

### 12.18. PermittedEquipment

Permitted Equipment associated to campsites (e.g. tent, trailer)

Field Name	Format	Length	Optional	Description
EquipmentName	STRING	255	N	Equipment Name
MaxLength	INT		Y	Maximum length of equipment

### 12.19. Tour

Tour records

Field Name	Format	Length	Optional	Description
TourID	INT		N	Tour ID
FacilityID	INT		N	Facility ID the tour belongs to
TourName	STRING	255	N	Tour name
TourType	STRING	255	Y	Tour Type
TourDescription	STRING	255	Y	Tour description
TourDuration	INT		Y	Tour duration
TourAccessible	STRING	10	Y	Is the tour accessible by vehicle
CreatedDate	DATETIME		N	Record creation date
LastUpdatedDate	DATETIME		N	Record last update date

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Field Name	Format	Length	Optional	Description
LastUpdatedBy	INT		N	Record last updated by

### 12.20. PermitEntrance

Permit entrance records

Field Name	Format	Length	Optional	Description
PermitEntranceID	INT		N	Permit Entrance ID
FacilityID	INT		N	Facility ID the Permit belongs to
PermitEntranceName	STRING	512	N	Permit Entrance Name
PermitEntranceType	STRING	255	Y	Permit Entrance Type
PermitEntranceDescription	STRING	255	Y	Permit Entrance Description
PermitEntranceAccesible	STRING	10	Y	Is the permit accessible by vehicle
Latitude	DECIMAL			Latitude of the permit location
Longitude	DECIMAL			Longitude of the permit location
District	STRING	60	Y	District the permit resides in
Town	STRING	60	Y	Town the permit resides in
Zone	STRING	255	Y	Zone the permit resides in
CreatedDate	DATETIME		N	Record creation date
LastUpdatedDate	DATETIME		N	Record last update date
LastUpdatedBy	INT		N	Record last updated by

### 12.21. Attribute

Attributes associated to campsites, tours, and permit entrances (e.g. checkout time, shade, water hookup)

Field Name	Format	Length	Optional	Description
AttributeName	STRING	60	Y	Attribute name

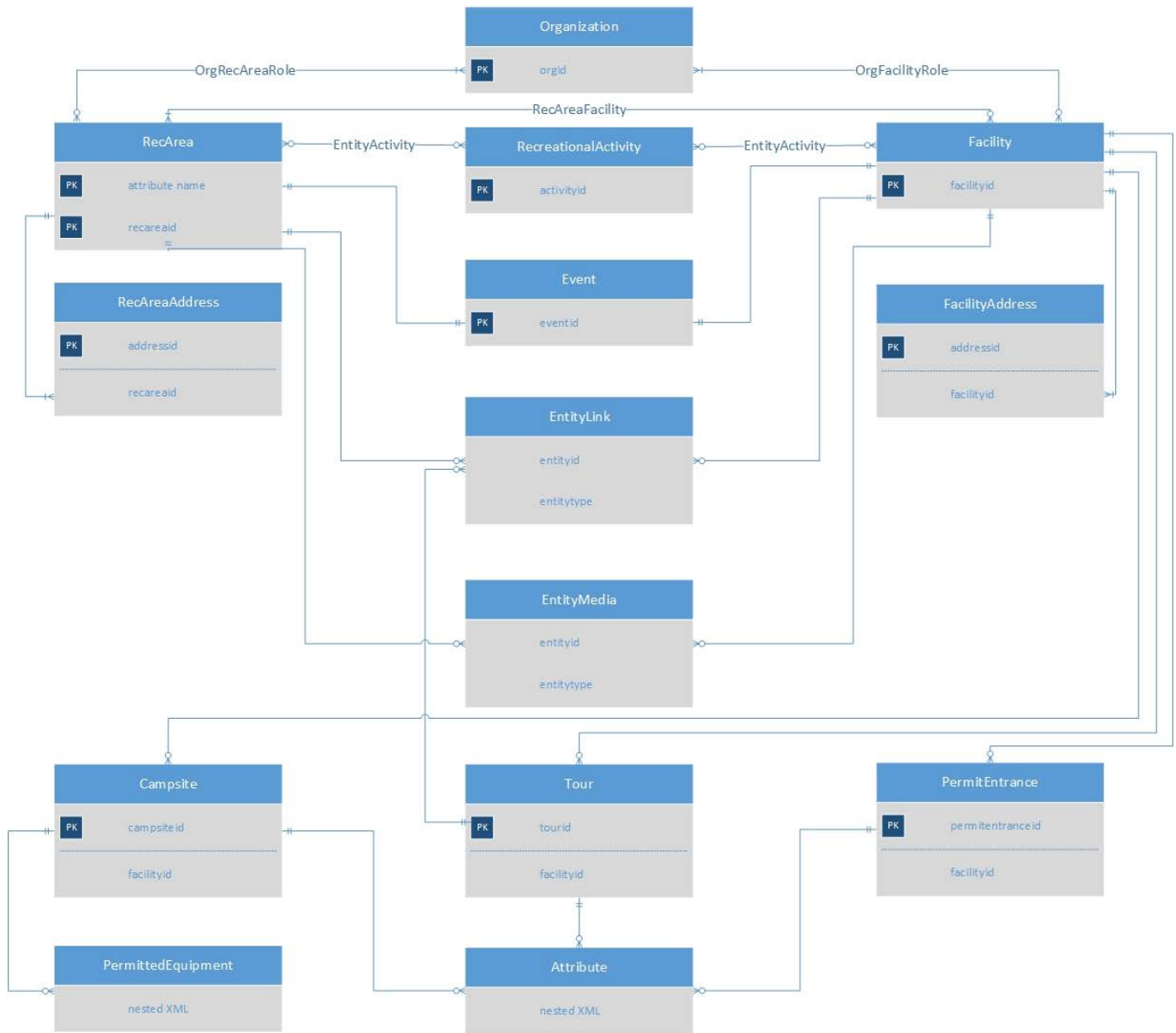
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Field Name	Format	Length	Optional	Description
AttributeValue	STRING	255	Y	Attribute value

\* A character limit will be enforced on these fields in the future

### 13. Entity Relationship Diagram

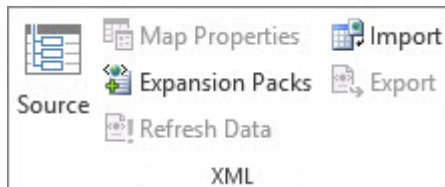
This diagram illustrates the entity relationships for data provided in the RIDB web services. The diagram does not list all table attributes. Associative table relationships are represented on the diagram with a labeled line connector.



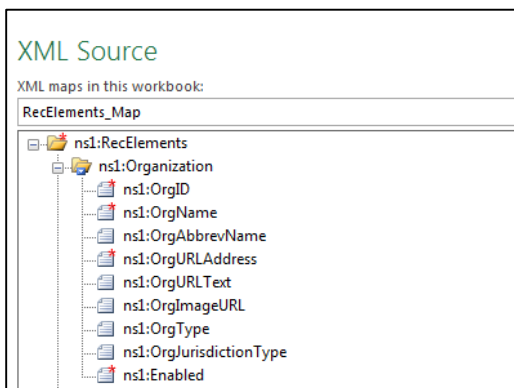
## 14. How to Insert RIDB XML Data into Excel

XML can be imported into Excel in a variety of ways. This process is but one of them. Thanks to [office.microsoft.com](http://office.microsoft.com) which was used as the basis for this documentation.

1. Open Microsoft Excel
2. Create an XML Map using the RIDB Service XML Schema Definition (XSD)
  - a. If you don't see the **Developer** tab, do the following to display it:
    - i. In Excel 2013 and Excel 2010:
      1. Click **File > Options**.
      2. In the pane on the left, click the **Customize Ribbon** category.
      3. Under **Main Tabs**, check the **Developer** box, then click **OK**.
    - ii. In Excel 2007:
      1. Click the **Microsoft Office Button**, and then click **Excel Options**.
      2. In the pane on the left, click the **Popular** category.
      3. Under **Top options for working with Excel**, check the **Show Developer tab in the Ribbon** box, then click **OK**.
  - b. Click **Source** in the **XML** group on the **Developer** tab.

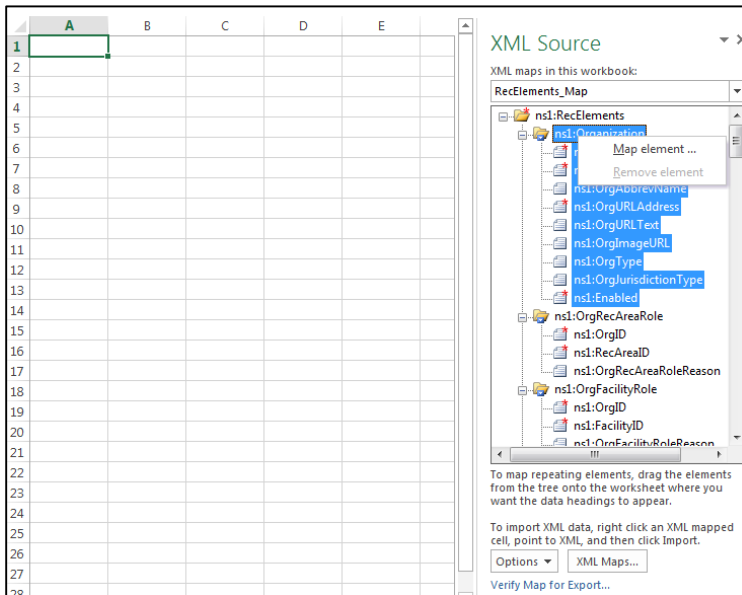


- c. The **XML Source** task pane appears.
- d. Click **XML Maps**, and then click **Add**.
- e. In the **Look in** list, click the drive, folder, or Internet location that contains the file you want to open. For this example, and for RIDB data, we will paste the hyperlink to the [RIDB Service XSD](#). Then click open. This will create an XML map based on the RIDB XML schema.
- f. Click **OK**.
- g. The XML map is displayed in the **XML Source** task pane.

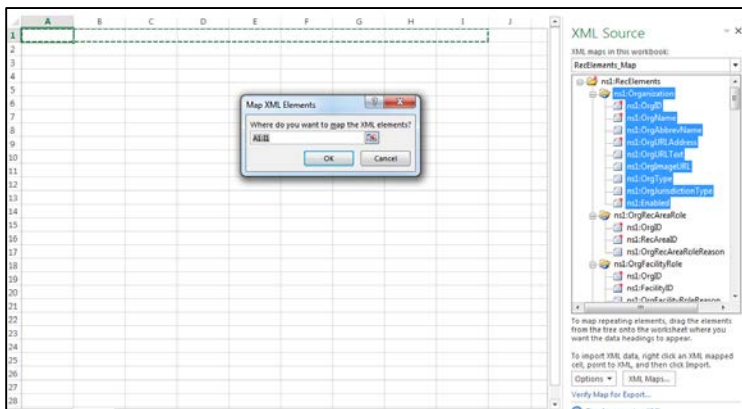


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3. Map the XML elements to the sheets and columns
  - a. Map each XML node (e.g. ns1:Organization, ns1:RecArea) in the XML Source pane on the right to the sheets and columns desired by right clicking the XML node → Map Element. The cell range will automatically be included as selected with the desired node.

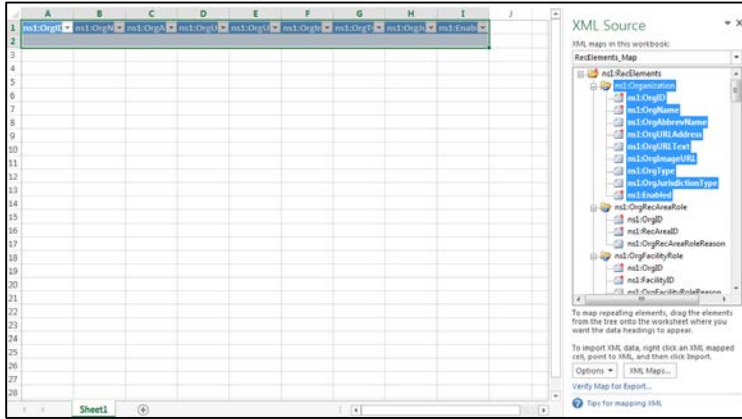


- b. Accept the default and click “Ok”

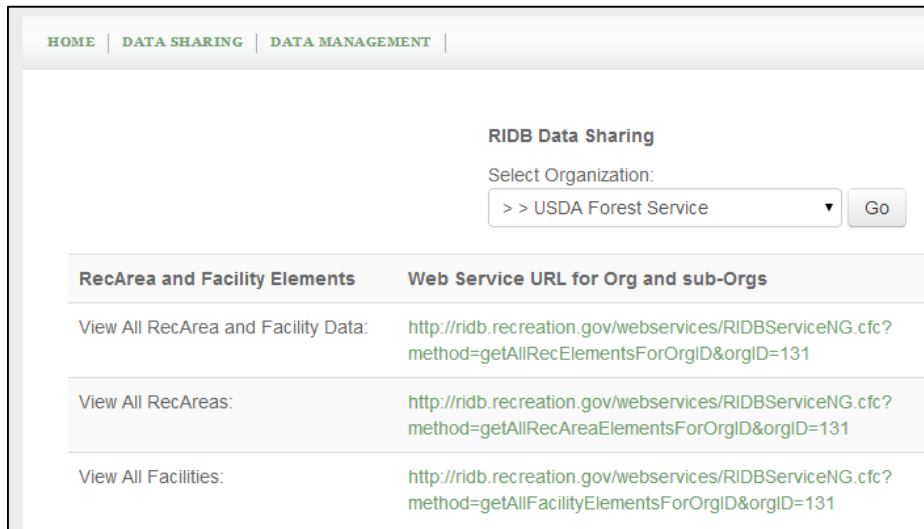




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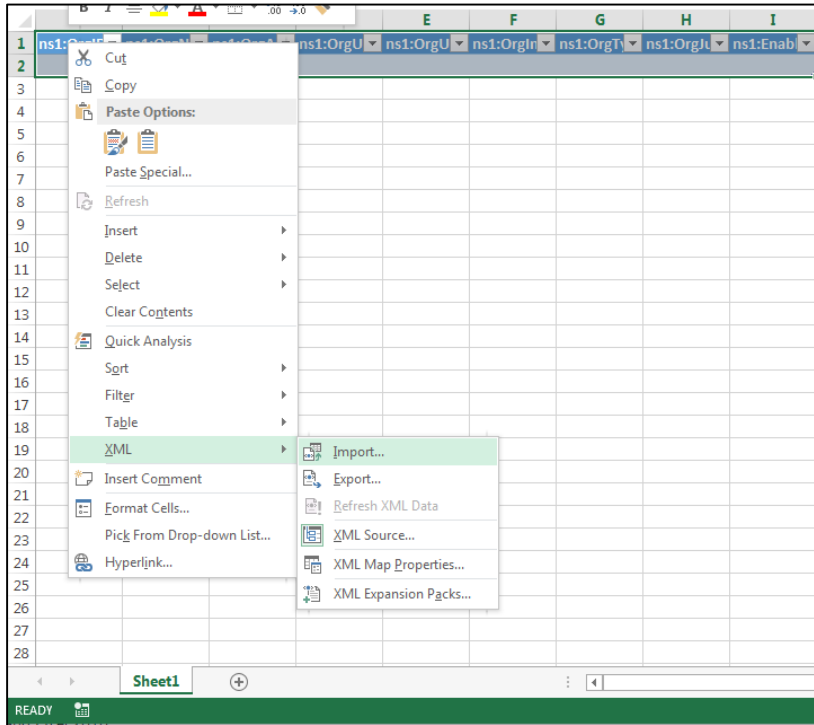


- c. For ease of use, you may want to create a sheet for each node. For example, create a sheet named "Organization" for the "Organization" XML node and map the node to it, create another sheet for the "OrgRecAreaRole" node and map it, etc. Repeat for all XML data nodes desired.
4. Import the XML data
- a. Download the desired XML data file from the RIDB. For this example, we'll be using the RIDB "View All Rec Areas" service method for the U.S Forest Service.



- b. Right click one of the mapped columns and select XML → Import. Browse to the XML file you downloaded in step a.) above. Select OK and the data will import into the Excel sheets as per the mappings that were defined previously.

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## Imported Data:

ns1:RecAreaID	ns1:DirRecAreaID	ns1:RecAreaName	ns1:RecAreaDescription	ns1:RecAreaDirections
1012 44617		Apache-Sitgreaves National Forest	<p>img alt="Recreation on the Forest" src="http://www.fs.usda.gov/Internet/FSE_MEDIA/stelprd0429591.jpg" style="width: 500px; height: 147px;"/>	
1011 5762		Idaho Panhandle National Forests	<h3>Endless Waters, Edges and Islands</h3><p>From the shores of big lakes to the banks of winding rivers, the Idaho Panhandle National Forests create a t	
1012 16470		Nez Perce-Clearwater National Forests	<p><strong>Activities &amp; Corridors</strong></p><p>Our recreation opportunities are organized two ways: by<strong>activity</strong>&nbsp;&lt;strong>pa	
1013 5659		Beaverhead-Deerlodge National Forest	<p align="left">img alt="Photo of two adults and one kid in a canoe on flatwater." height="186" src="http://www.fs.usda.gov/Internet/FSE_MEDIA/stelpr	
1014 60222		Bitterroot National Forest	<p>Two mountain ranges, separated by the Bitterroot River valley, in southwestern Montana and eastern Idaho comprise the Bitterroot National Forest. &	
1015 60817		Custer National Forest	<p>The 1.2 million acre Custer National Forest is one of the most ecologically diverse forests in the Northern Region, reaching from Granite Peak, the highes	
1016 56162		Flathead National Forest	<p align="center" style="font-family: serif; font-size: 10pt;>The Flathead National Forest contains three wilderness areas, two ski areas, im	
1017 5566		Gallatin National Forest	<p>The Gallatin National Forest offers a wide variety of recreational opportunities for all seasons.<p><p>Click the &quot;Find an &	
1018 52827		Helena National Forest	<p>Welcome to the Helena National Forest and the &quot;million acre backyard&quot; of our local communities.&nbsp;&lt;p>The accessible forest landscape he	
1019 43369		Kootenai National Forest	<p><strong>Vast by Nature, Uncrowded by Design</strong></p><p>Bordering Canada and nestled in the mountainous terrain of Northwest Montana the Ko	
1021 61446		Lewis and Clark National Forest	<p>The Lewis and Clark National Forest provides a wide variety of recreational opportunities for all ages and skill levels.&nbsp;&lt;p>To find a recreation	
1022 10257		Lolo National Forest	<p>Whether your interest is recreation or local history, the Lolo National Forest has something for just about everyone. With four wildernesses, many lakes	
1023 5026		Boise National Forest	<p>The Boise National Forest is a land of steep mountains, fast rivers and dense forests making it a recreation destination any season of the year. From biki	
1024 54653		Caribou-Targhee National Forest	<p align="center" class="Apple-style-span" style="border-collapse: separate; text-transform: none; word-spacing: 0px; color: rgb(0,0,0); font-	
1025 56665		Payette National Forest	<p align="center">So Much To Do &amp; See</strong></p><p>Come visit the Payette National Forest spring, summer, autumn, or winter as a wide range of recre	
1026 76008		Salmon-Challis National Forest	<p>The Salmon-Challis National Forest is a land of rugged mountains split by untamed rivers. Escape into the backcountry in the Lemhi, Bitterroot, Pioneer	
1027 5768		Sawtooth National Forest	<p>Welcome to the Sawtooth National Forest. The Sawtooth National Forest is a place remarkable beauty that has been providing goods and services to the	
1029 65158		Humboldt-Toiyabe National Forest Headquarters	<p>Truly a Land of Many Uses, the Humboldt-Toiyabe National Forest offers a variety of recreational activities to the outdoor enthusiast. The Forest offers	
1030 72111		Ashley National Forest	<p>Recreational opportunities abound across 1.3 million acres on the Ashley National Forest! The Ashley National Forest manages 276,175 acres of the High	
1031 24780		Dixie National Forest	<p>The <strong>Dixie National Forest</strong> offers a variety of recreation opportunities all year round. &nbsp;&lt;p>With almost 2 million acres to explore, the	
1032 12103		Fishlake National Forest	<p>The Fishlake National Forest offers a variety of recreation opportunities including fishing, hunting, camping, hiking, horseback riding, prospecting, rock	
1033 72318		Manti-La Sal National Forest	<p>Do you love the outdoors?&nbsp;&lt;p>You can find something fun to do on the Manti-La Sal National Forest. &nbsp;&lt;p>To find all the sites where	
1035 8180		Uinta-Wasatch-Cache National Forest	<p>Most National Forest System lands are open, free of charge for your use and enjoyment. Entrance and user fees may be charged at some areas. Some of	
1036 71389		Bridger-Teton National Forest	<p>Whether you are a new visitor to the Bridger-Teton National Forest or a local devotee already, this&nbsp;&lt;p>Recreation</em>&nbsp;&lt;p>section of our w	
1037 10712		Ouachita National Forest	<p align="center" style="font-color: #666633" size="2">So Much To Do &amp; See</strong></p><p>The Ouachita National Forest is located primarily in the Ouach	
1038 43421		Ozark-St. Francis National Forests	<p align="center">So Much To Do &amp; See </strong></p><p>The 1.2-million acre Ozark-St. Francis National Forests offer endless opportunities for adventure. A	