

USDA Forest Service e-Gov Program

Information Resource Management

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Recreation Information Database

(RIDB)

Web Service Manual

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RIDB Web Services Manual

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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 (RecData.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.
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1. 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.

1.1 *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: www.recdata.gov.

1.2 *Retrieving RIDB Data via Menu*

Data from the Recreation Information Database (RIDB) can be retrieved using the menu driven process accessed at:

<http://www.RecData.gov>

It is not necessary to log in to the RIDB to retrieve data.

Select from the RIDB Welcome Page:

Go to RIDB Data Sharing

Using the pull down menus, make appropriate selections to extract data records from the RIDB. There are options to retrieve all data contained in the RIDB, data

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for an entire agency, or data for a specific organization within an agency. The resulting links will allow the selection of:

1. All data elements in the RIDB based on the retrieval criteria selected
2. Recreation Area data elements based on the retrieval criteria selected
3. Facility data elements based on the retrieval criteria selected

Output will be provided in XML format.

1.3 Retrieving the WSDL

Web services publish their own API in an XML format called Web Service Definition Language (WSDL). Currently there is no Universal Description, Discovery and Integration (UDDI) directory that contains the RIDB WSDL documents. The WSDL must be retrieved directly from each of the web services, as shown below.

<https://www.recredata.gov/RIDBWebService/RIDBService.jws?WSDL>

1.4 RIDBService Methods

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

As shown in the WSDL, the method calls and their respective URLs for the RIDBService methods are listed here. For cases in which the method accepts parameters, sample parameters are included. Note that the WSDL, and not this document, is the final word on the precise format of these method signatures.

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://recredata.gov/RIDBWebService/RIDBService.jws/getRecGovFacilities>

The following method returns all RIDB Elements that are supported for RIDB Release 1.0. This method uses the RecML schema format.

Note: File size can be large, typically greater than 10 MB.

<http://recredata.gov/RIDBWebService/RIDBService.jws/getAllElements>

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://recredata.gov/RIDBWebService/RIDBService.jws/getAllRecElementsForOrgID?anOrgID=157>

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

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elements related to those facilities are returned.

<http://reccdata.gov/RIDBWebService/RIDBService.jws/getAllFacilityElementsForOrgID?anOrgID=157>

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://reccdata.gov/RIDBWebService/RIDBService.jws/getAllRecAreaElementsForOrgID?anOrgID=157>

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

The following method returns all RIDB RecAreas.

<http://reccdata.gov/RIDBWebService/RIDBService.jws/getAllRecAreas>

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

<http://reccdata.gov/RIDBWebService/RIDBService.jws/getAllRecAreasForOrgID?anOrgID=157>

The following method returns all RIDB Facilities.

<http://reccdata.gov/RIDBWebService/RIDBService.jws/getAllFacilities>

The following method returns all RIDB Organizations.

<http://reccdata.gov/RIDBWebService/RIDBService.jws/getAllOrganizations>

The following method returns all RIDB Activities.

<http://reccdata.gov/RIDBWebService/RIDBService.jws/getAllActivities>

The following method returns all RIDB Facility Addresses.

<http://reccdata.gov/RIDBWebService/RIDBService.jws/getAllFacilityAddresses>

The following method returns all RIDB RecArea Addresses.

<http://reccdata.gov/RIDBWebService/RIDBService.jws/getAllRecAreaAddresses>

The following method returns all RIDB Facility Activities.

<http://reccdata.gov/RIDBWebService/RIDBService.jws/getAllFacilityActivities>

The following method returns all RIDB RecArea Activities.

<http://reccdata.gov/RIDBWebService/RIDBService.jws/getAllRecAreaActivities>

The following method returns all RIDB RecArea Facilities.

<http://reccdata.gov/RIDBWebService/RIDBService.jws/getAllRecAreaFacilities>

The following method returns all RIDB Org Facilities.

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<http://recredata.gov/RIDBWebService/RIDBService.jws/getAllOrgFacilities>

The following method returns all RIDB Org RecAreas.

<http://recredata.gov/RIDBWebService/RIDBService.jws/getAllOrgRecAreas>

Appendix A – Sample XSD document

A sample RecML.xsd document is provided here with dummy values in all the fields.

```
<RecElements xmlns="http://www.recreation.gov/architecture/"
xmlns:fips="http://www.doi.gov/xml/importedSchemas/fips_10-4"
xmlns:fips1="http://www.doi.gov/xml/importedSchemas/fips_5-2">
  <Username>string</Username>
  <Password>string</Password>
  <!--1 or more repetitions:-->
  <Facility>
    <FacilityID>100</FacilityID>
    <OrgFacilityID>100</OrgFacilityID>
    <FacilityDataStewardID>100</FacilityDataStewardID>
    <FacilityName>string</FacilityName>
    <FacilityTypeDescription>string</FacilityTypeDescription>
    <FacilityURLText>string</FacilityURLText>
    <FacilityURLAddress>string</FacilityURLAddress>
    <FacilityPhone>string</FacilityPhone>
    <FacilityDescription>string</FacilityDescription>
    <FacilityDirections>string</FacilityDirections>
    <FacilityEmail>string</FacilityEmail>
    <FacilityMapUrl>string</FacilityMapUrl>
    <FacilityImageUrl>string</FacilityImageUrl>
    <FacilityImageCaption>string</FacilityImageCaption>
    <FacilityReservationUrl>string</FacilityReservationUrl>
    <FacilityLatitude>1.051732E7</FacilityLatitude>
    <FacilityLongitude>1.051732E7</FacilityLongitude>
    <FacilityAdaAccess>string</FacilityAdaAccess>
    <FacilityReservable>true</FacilityReservable>
    <FacilityUseFeeDescription>string</FacilityUseFeeDescription>
    <FacilityEnabled>true</FacilityEnabled>
  </Facility>
  <!--1 or more repetitions:-->
  <FacilityAddress>
    <AddressID>100</AddressID>
    <StreetAddress1>string</StreetAddress1>
    <StreetAddress2>string</StreetAddress2>
    <StreetAddress3>string</StreetAddress3>
```

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```
<City>string</City>
<AddressStateCode>
  <!--You have a CHOICE of the next 2 items at this level-->
<fips:InternationalStateCodeTypeElement>UP20</fips:InternationalStateCodeTypeElement>
  <fips1:USStateCodeTypeElement>HI</fips1:USStateCodeTypeElement>
</AddressStateCode>
<PostalCode>string</PostalCode>
<AddressCountryCode>19073</AddressCountryCode>
<FacilityID>100</FacilityID>
<FacilityAddressType>string</FacilityAddressType>
<FacilityAddressID>string</FacilityAddressID>
</FacilityAddress>
<!--1 or more repetitions:-->
<Organization>
  <OrgID>100</OrgID>
  <ParentOrgID>100</ParentOrgID>
  <OrgName>string</OrgName>
  <OrgAbbrevName>string</OrgAbbrevName>
  <OrgURLAddress>string</OrgURLAddress>
  <OrgURLText>string</OrgURLText>
  <OrgImageURL>string</OrgImageURL>
  <OrgType>string</OrgType>
  <OrgJurisdictionType>string</OrgJurisdictionType>
  <OrgContactInfoDescription>string</OrgContactInfoDescription>
</Organization>
<!--1 or more repetitions:-->
<OrgFacilityRole>
  <OrgID>100</OrgID>
  <FacilityID>100</FacilityID>
  <OrgFacilityRoleReason>string</OrgFacilityRoleReason>
</OrgFacilityRole>
<!--1 or more repetitions:-->
<OrgRecAreaRole>
  <OrgID>100</OrgID>
  <RecAreaID>100</RecAreaID>
  <OrgRecAreaRoleReason>string</OrgRecAreaRoleReason>
</OrgRecAreaRole>
<!--1 or more repetitions:-->
<RecArea>
  <RecAreaID>100</RecAreaID>
  <OrgRecAreaID>100</OrgRecAreaID>
  <RecAreaDataStewardID>100</RecAreaDataStewardID>
  <RecAreaName>string</RecAreaName>
```

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```
<RecAreaURLAddress>string</RecAreaURLAddress>
<RecAreaURLText>string</RecAreaURLText>
<RecAreaDirections>string</RecAreaDirections>
<RecAreaDescription>string</RecAreaDescription>
<RecAreaFeeDescription>string</RecAreaFeeDescription>
<RecAreaMapUrl>string</RecAreaMapUrl>
<RecAreaImageUrl>string</RecAreaImageUrl>
<RecAreaImageCaption>string</RecAreaImageCaption>
<RecAreaReservationUrl>string</RecAreaReservationUrl>
<RecAreaPhone>string</RecAreaPhone>
<RecAreaEmail>string</RecAreaEmail>
<RecAreaEnabled>string</RecAreaEnabled>
</RecArea>
<!--1 or more repetitions:-->
<RecAreaActivity>
  <RecAreaID>100</RecAreaID>
  <RecActivityID>100</RecActivityID>
  <RecAreaActivityDescription>string</RecAreaActivityDescription>
  <RecAreaActivityFeeDescription>string</RecAreaActivityFeeDescription>
</RecAreaActivity>
<!--1 or more repetitions:-->
<RecAreaAddress>
  <AddressID>100</AddressID>
  <StreetAddress1>string</StreetAddress1>
  <StreetAddress2>string</StreetAddress2>
  <StreetAddress3>string</StreetAddress3>
  <City>string</City>
  <AddressStateCode>
    <!--You have a CHOICE of the next 2 items at this level-->
<fips:InternationalStateCodeTypeElement>SZ11</fips:InternationalStateCodeTypeElement>
    <fips1:USStateCodeTypeElement>RI</fips1:USStateCodeTypeElement>
  </AddressStateCode>
  <PostalCode>string</PostalCode>
  <AddressCountryCode>41013</AddressCountryCode>
  <RecAreaID>100</RecAreaID>
  <RecAreaAddressType>Physical Address</RecAreaAddressType>
  <RecAreaAddressID>string</RecAreaAddressID>
</RecAreaAddress>
<!--1 or more repetitions:-->
<RecAreaFacility>
  <RecAreaID>100</RecAreaID>
  <FacilityID>100</FacilityID>
</RecAreaFacility>
```

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```
<!--1 or more repetitions:-->  
</RecElements>
```