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**Recreation Information Database (RIDB)**  
**Web Service Manual**  
**September 25, 2014**

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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.
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## 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 are and facility 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

### 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>

## 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" |



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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>

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

| <b>Organization</b>   |        |        |          |   |
|---|--------|--------|----------|---|
| 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   |

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|                     |        |    |   |                                |
|---------------------|--------|----|---|--------------------------------|
| OrgType             | STRING | 40 | Y | Organization type              |
| OrgJurisdictionType | STRING | 20 | Y | Organization jurisdiction type |
| Enabled             | BIT    |    | N | Is the Organization Active     |

### 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) |

### 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) |

### 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 |

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|                       |         |      |   |  |
|-----------------------|---------|------|---|--|
| 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  |
| 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   |

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| <b>Facility</b>  |               |               |                 |   |
|--|---------------|---------------|-----------------|---|
| Facility records (e.g. Yellowstone Group Campground, Barnum Whitewater Area) |               |               |                 |   |
| <b>Field Name</b>  | <b>Format</b> | <b>Length</b> | <b>Optional</b> | <b>Description</b>  |
| FacilityID   | INT           |               | N               | Facility ID   |
| OrgFacilityID  | INT           |               | N               | Foreign Key: Organization OrgID   |
| FacilityName   | STRING        | 256           | N               | Full name of the facility   |
| 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  |

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|           |        |      |   |   |
|-----------|--------|------|---|---|
| Keywords  | STRING | 4000 | Y | List of keywords for the facility           |
| StayLimit | STRING | 500  | Y | Details on the stay limits for the facility |

### 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 |

### 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 |

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### RecreationalActivity

List of all activities

| Field Name       | Format | Length | Optional | Description   |
|------------------|--------|--------|----------|---|
| ActivityID       | INT    |        | N        | Activity ID   |
| RecActivityName  | STRING | 60     | N        | Name of the activity  |
| RecActivityLevel | INT    |        | N        | Amount of physical exertion to be expected for a given activity such as hiking, swimming, etc |

### 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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### 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                     |

### 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     |

### FacilityEvent

Joins facilities to associated events

| Field Name | Format | Length | Optional | Description                      |
|------------|--------|--------|----------|----------------------------------|
| FacilityID | INT    |        | N        | Foreign Key: Facility FacilityID |

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|         |     |  |   |                            |
|---------|-----|--|---|----------------------------|
| EventID | INT |  | N | Foreign Key: Event EventID |
|---------|-----|--|---|----------------------------|

### 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 |



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|                               |          |      |   |   |
|-------------------------------|----------|------|---|---|
| EventADAAccess                | STRING   | 1024 | Y | Information about the Americans with Disabilities Act 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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|                  |        |    |   |   |
|------------------|--------|----|---|---|
| SponsorPhone     | STRING | 20 | Y | Phone Number for the sponsor of the Event |
| SponsorClassType | STRING | 20 | Y | Class and type of sponsor                 |

### 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 |

### 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                       |

### EntityMedia

Media links (e.g. images, video)

| Field Name | Format | Length | Optional | Description |
|------------|--------|--------|----------|-------------|
|------------|--------|--------|----------|-------------|

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|             |        |      |   |  |
|-------------|--------|------|---|--|
| 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  |

### 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  |
| Type of Use       | STRING | 255    | Y        | Type of use                           |
| CampsiteAccesible | STRING | 10     | Y        | Is the campsite accessible by vehicle |

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|                |          |  |   |                         |
|----------------|----------|--|---|-------------------------|
| CreatedDate    | DATETIME |  | N | Record creation date    |
| LastUpdateDate | DATETIME |  | N | Record last update date |
| LastUpdatedBy  | INT      |  | N | Record last updated by  |

### 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 |

### 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           |
| LastUpdatedBy   | INT      |        | N        | Record last updated by            |

## 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              |

## Attribute

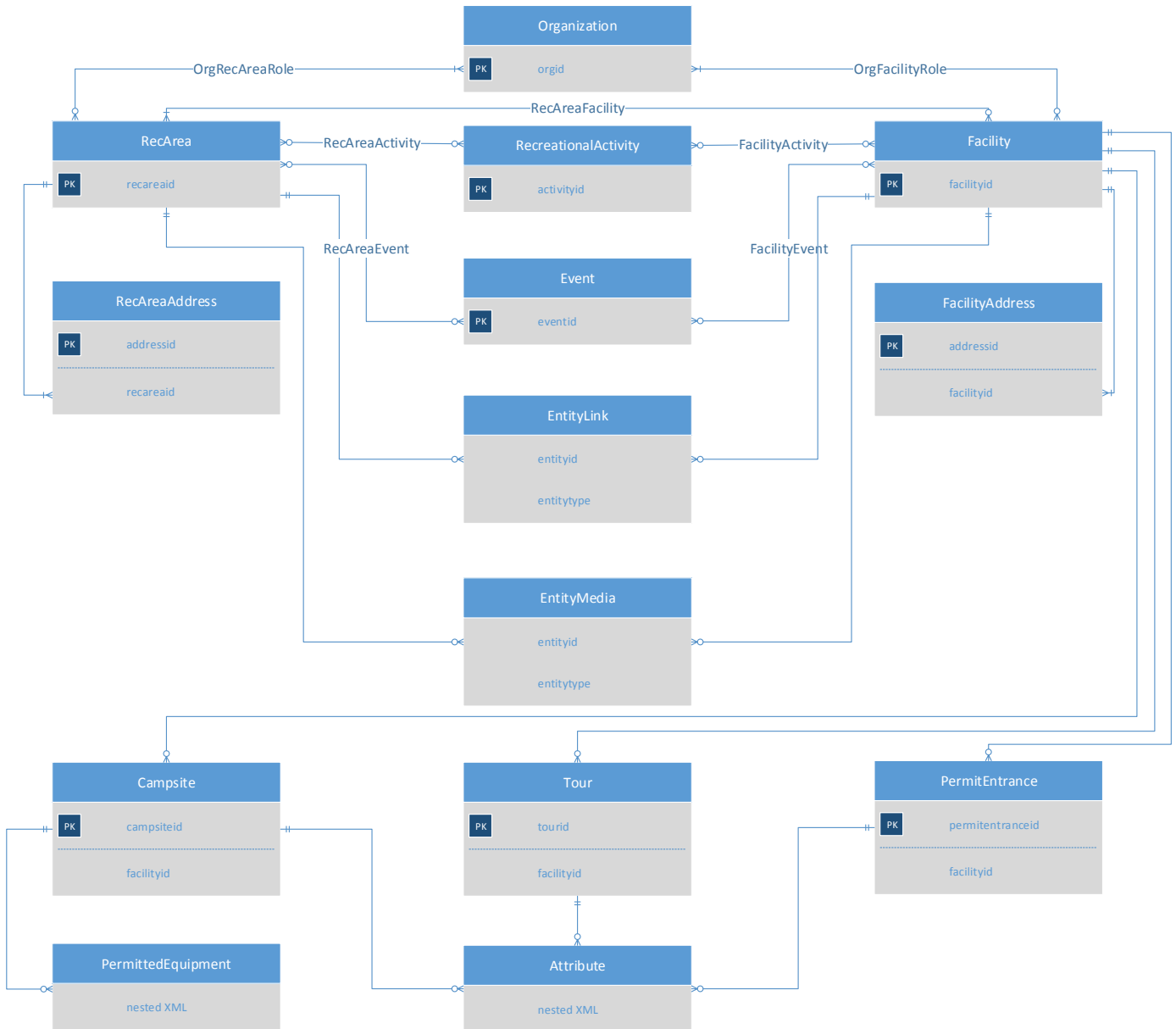
Attributes associated to campsites, tours, and permit entrances (e.g. checkout time, shade, water hookup)

| Field Name     | Format | Length | Optional | Description     |
|----------------|--------|--------|----------|-----------------|
| AttributeName  | STRING | 60     | Y        | Attribute name  |
| AttributeValue | STRING | 255    | Y        | Attribute value |

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

## 13. Entity Relationship Diagram

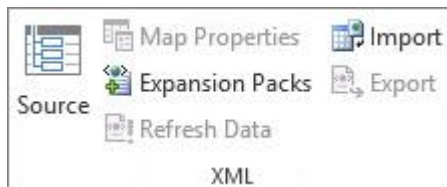
This diagram illustrates the entity relationships for data provided in the RIDB web services. The diagram does not list all table attributes. Associative table relationships are represented on the diagram with a labeled line connector.



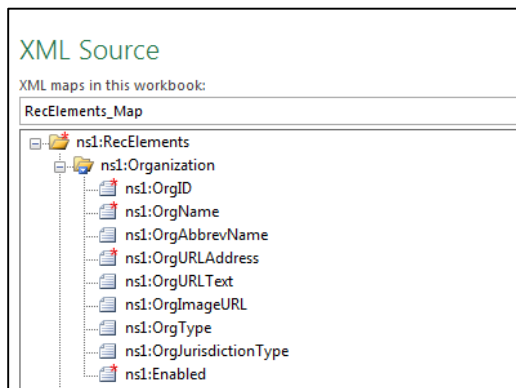
### 14. How to Insert RIDB XML Data into Excel

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.

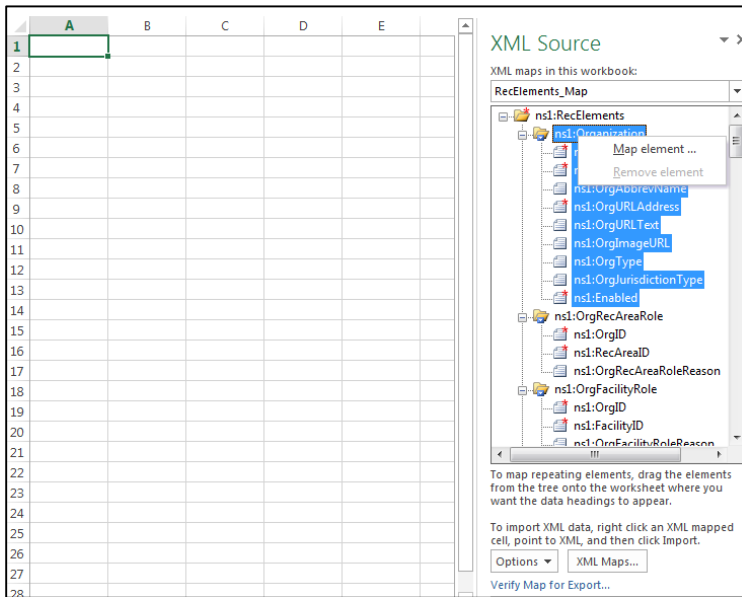


- c. The **XML Source** task pane appears.
- d. Click **XML Maps**, and then click **Add**.
- e. In the **Look in** list, click the drive, folder, or Internet location that contains the file you want to open. For this example, and for RIDB data, we will paste the hyperlink to the [RIDB Service XSD](#).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

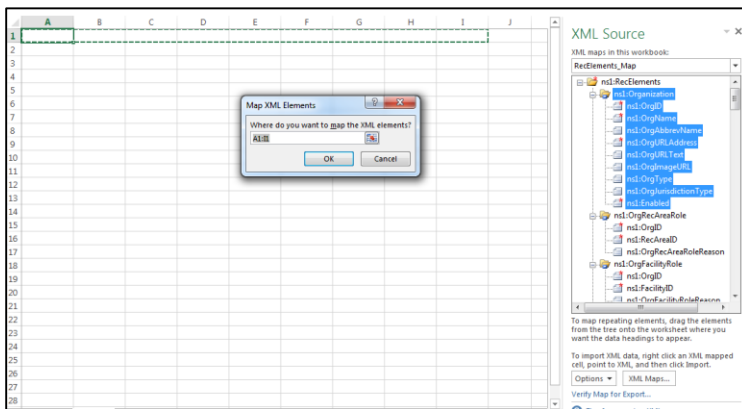


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3. Map the XML elements to the sheets and columns
  - a. Map each XML node (e.g. ns1:Organization, ns1:RecArea) in the XML Source pane on the right to the sheets and columns desired by right clicking the XML node → Map Element. The cell range will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

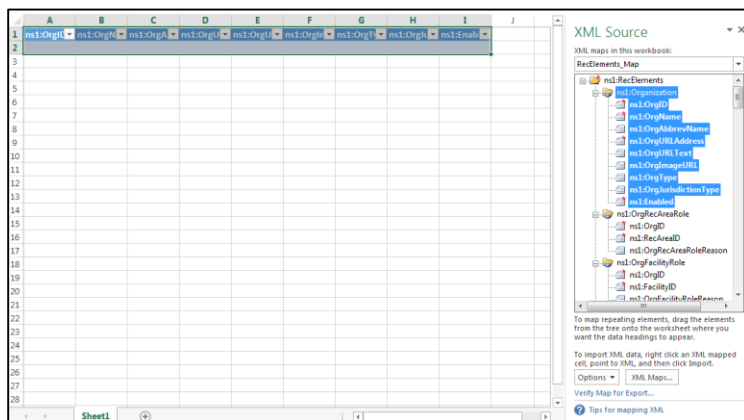


- b. Accept the default and click “Ok”

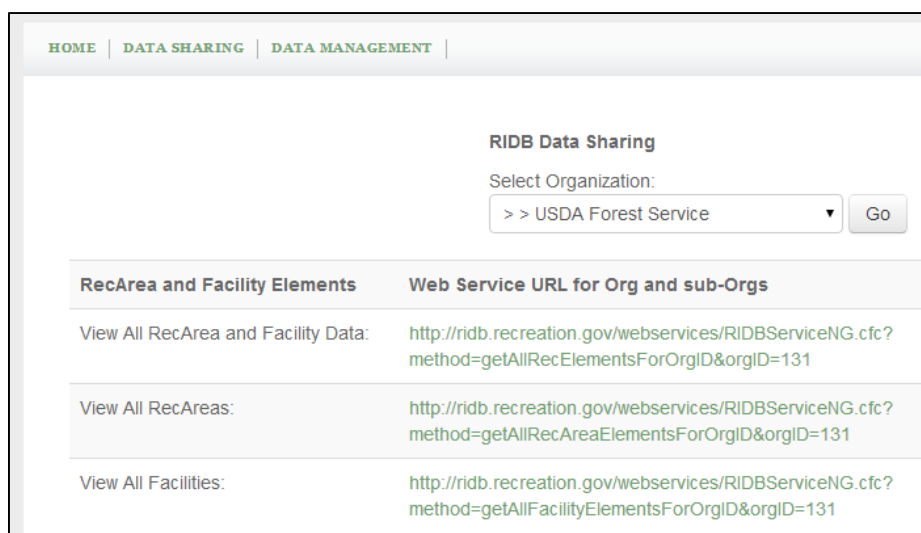




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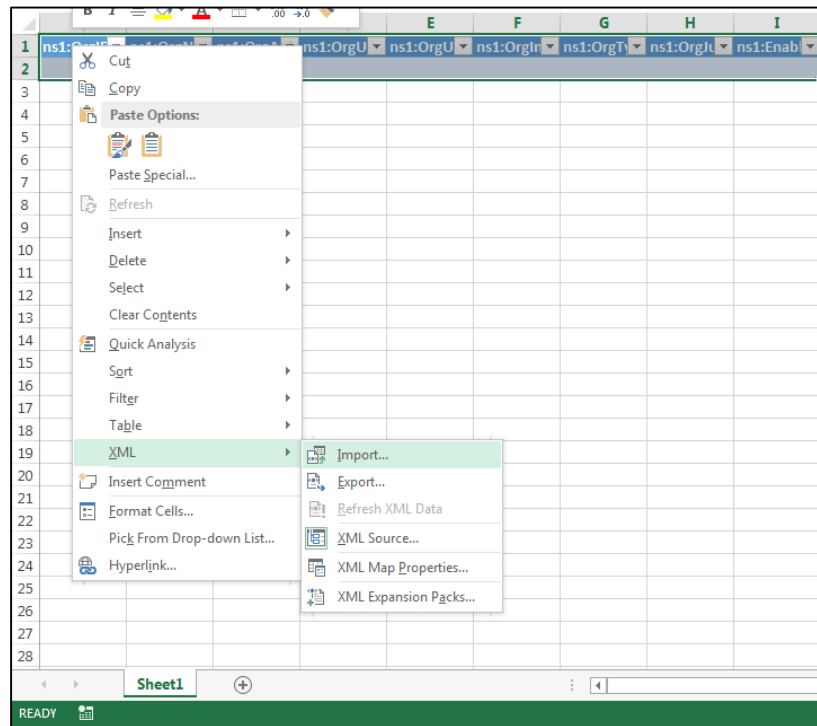


- c. For ease of use, you may want to create a sheet for each node. For example, create a sheet named "Organization" for the "Organization" XML node and map the node to it, create another sheet for the "OrgRecAreaRole" node and map it, etc. Repeat for all XML data nodes desired.
4. Import the XML data
  - 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:

|    | A             | B                 | C   | D   | E |
|----|---------------|-------------------|---|---|---|
|    | nsl:RecAreaId | nsl:OrigRecAreaId | nsl:RecAreaName                               | nsl:RecAreaDescription  |   |
| 1  | 1012_46817    |                   | Apache-Sitgreaves National Forest             | <p>ing<b>alt="">"Recreation on the Forest"</b><br/>s open," free of charge, by user selection." Entrance and user fees may be charged at certain areas.   |   |
| 2  | 1011_6762     |                   | Iowa Panhandle National Forests               | <ch3>Endless Waters, Edges and Islands/h3>-From the shores of big lakes to the banks of winding rivers, the Iowa Panhandle National Forests create a  |   |
| 3  | 1012_16470    |                   | Nex Peace-Clearwater National Forests         | <p>StrongActivities Map</p>Corridors<strong>(p=>p=Our recreation opportunities are organized two ways:<br>nbsps<strong>activity:<b>N&bds;<strong>create a pa  |   |
| 4  | 1011_5919     |                   | Beaverhead-Deerledge National Forest          | <p align="left">tting alts -Photos of two adults and one kid in a canoe or flatwater "L&b" sco"http://www.fs.usda.gov/Internet/FSE_MEDIA/stelprdc5425993.jpg" style="width: 500px; height: 147px;" /> |   |
| 5  | 1014_90222    |                   | Bitterroot National Forest                    | <p>two million acres, separated by the Bitterroot River valley, in southwestern Montana and eastern Idaho comprise the Bitterroot National Forest.&   |   |
| 6  | 1015_60817    |                   | Custer National Forest                        | <p>The 2.2 million acre Custer National Forest is one of the most ecologically diverse forests in the Northern Region, reaching from Granite Peak, the highest  |   |
| 7  | 1016_66162    |                   | Fleathat National Forest                      | <p>span style="font-family:'arial','sans-serif'; color:black;font-size: 10pt">The Flathead National Forest contains three wilderness areas, two ski areas, and  |   |
| 8  | 1017_5566     |                   | Gallatin National Forest                      | <p>the Gallatin National Forest offers wide variety of recreational opportunities for all seasons.</p><p><a href="#">Click the &#39;&#39;H&#39;&#39; beside the &quot;Find An                         |   |
| 9  | 1018_82897    |                   | Helena National Forest                        | <p>Welcome to the Helena National Forest and the &quot;mountain area backyard";of our local communities.<b>The accessible forest landscape h  |   |
| 10 | 1015_61263    |                   | Kootenai National Forest                      | <p>StrongVast by Nature, Uncrowded by Design</p>&quot;p=p-Borderline Canada and nestled in the mountainous terrain of Northwest Montana the K   |   |
| 11 | 1021_61446    |                   | Lewis and Clark National Forest               | <p>Lewis and Clark National Forest provides a wide variety of recreation opportunities for all ages and skill levels.<b>p>to find more ideas, some o  |   |
| 12 | 1022_10057    |                   | 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 lak   |   |
| 13 | 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 bike   |   |
| 14 | 1024_53653    |                   | Cariboo-Targhee National Forest               | <p>span class="Apple-style-span" style="white-space:normal;border-collapse:separate;text-transform:none;word-spacing:0px;color:#000,0.0,0.0">   |   |
| 15 | 1025_26865    |                   | Payette National Forest                       | <p>strong>So Much To Do &amp; See</p><strong>(p=>p=Come visit the Payette National Forest spring, summer, autumn, or winter as a wide range of recre  |   |
| 16 | 1026_10508    |                   | 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, Bottorff, Pioneer  |   |
| 17 | 1027_5798     |                   | Sawatch National Forest                       | <p>>Welcome to the Sawatch National Forest! The Sawatch National Park Service's place names, places, landmarks, trails, and facilities can help you enjoy   |   |
| 18 | 1028_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 offer  |   |
| 19 | 1030_72131    |                   | Ashley National Forest                        | <p>Recreational opportunities abound across 1.3 million acres on the Ashley National Forest! The Ashley National Forest manages 276,375 acres of the High   |   |
| 20 | 1031_24780    |                   | Dixie National Forest                         | <p>he <strong>'Dixie National Forest'</strong> offers a variety of recreation oportunities all year round. &nbsp;With almost 2 million acres to explore, the  |   |
| 21 | 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   |   |
| 22 | 1033_72816    |                   | Manti-La Sal National Forest                  | <p>Do you love the outdoors?&b>You can find something fun to do on The Manti-La Sal National Forest.<b>nbsps<strong>(p=>p>to find all the sites where yo  |   |
| 23 | 1034_5980     |                   | Ute-Nasatche-Cache National Forest            | <p>Most National Forest System lands are open, free of charge for their use and enjoyment. Entrance and user fees may be charged at certain areas. Some co  |   |
| 24 | 1035_71189    |                   | Bridger-Teton National Forest                 | <p>Whether you are a new visitor to the Bridger-Teton National Forest or a local devotee already, this &em>Recreation (&em>em-Recreation (&em>em)spectation of our c                                  |   |
| 25 | 1036_10732    |                   | Ouchita National Forest                       | <p>strong><font color="#666663" size="2">So Much To Do &amp; See</p><strong>(p=>p=A lovely <strong>-br/>The Ouchita National Forest is located primarily in the Ouach                                 |   |
| 26 | 1038_43421    |                   | Ozark-St. Francis National Forests            | <p>strong>So Much To Do &amp; See</p><strong>(p=>p=The 1.2-million-acre Ozark-St. Francis National Forests offer endless opportunities for adventure. Ar  |   |