

# R2Veg Features Joined to Summary Polygon Attribute Data

Metadata also available as

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### *Identification Information:*

#### *Citation:*

##### *Citation Information:*

*Originator:* Region 2 Vegetation - Black Hills National Forest.

*Publication\_Date:* 2009-03-05

*Title:* R2Veg Features Joined to Summary Polygon Attribute Data

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:*

#### *Description:*

##### *Abstract:*

R2Veg - In the year 2003, a geodatabase design was created called R2Veg for migration from either of the Regions two vegetation polygon systems; CVU or RMRIS. The CVU data was greatly simplified by eliminating components and only storing data for the polygon as a whole. Components caused lots of confusion and were non-spatial. The component data was transferred to R2Veg by using a weighted average based on component area. A new term called PARTITION was invented allowing the naming schemes to transfer from the two different systems. A partition could be a watershed, location, entire Forest, Grassland etc. Each R2VEG polygon has an identification field referred to as VEG\_LINK. This is the 22 character concatenation of partition and poly\_id. R2Veg polygons also have an identification field referred to as FSVEG\_LINK. This is a 12 character field linking the VEG polygon to the NRIS-FSVEG stand setting id for those polygons that have stand exam data. For older data this is location + site + proc\_forest. For data collected on R2Veg polygons this is partition 4Digit-poly\_id + proc\_forest. The other important field relating R2Veg polygons to data is called TERRA\_LINK. This is used to link to a TEU point or to a classification in NRIS-TERRA. The Black Hills National Forest migrated directly from RMRIS to R2Veg by-passing the CVU implementation.

##### *Purpose:*

Provide sufficient information to support forest level planning and initial landscape stratification for project level planning, implementation, and monitoring. This is the Region's poly-veg database providing the core GIS layer for vegetation.

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

*Range\_of\_Dates/Times:*

*Beginning\_Date:* 1981

*Ending\_Date:* 2009-03-05

*Currentness\_Reference:* publication date

*Status:*

*Progress:* Complete as of ending date.

*Maintenance\_and\_Update\_Frequency:* Annually in February

*Spatial\_Domain:*

*Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -104.725354

*East\_Bounding\_Coordinate:* -103.255945

*North\_Bounding\_Coordinate:* 44.797021

*South\_Bounding\_Coordinate:* 43.270017

*Keywords:*

*Theme:*

*Theme\_Keyword\_Thesaurus:* Replaces RMRIS for Forest Existing Vegetation

*Theme\_Keyword:* R2VEG

*Theme\_Keyword:* RMRIS

*Theme\_Keyword:* Vegetation

*Theme\_Keyword:* Stands

*Theme\_Keyword:* Stand Exams

*Theme\_Keyword:* Trees

*Theme\_Keyword:* Shrubs

*Theme\_Keyword:* Grass

*Theme\_Keyword:* Forest

*Theme\_Keyword:* GIS Data

*Theme\_Keyword:* Spatial Data

*Theme\_Keyword:* USDA Forest Service

*Place:*

*Place\_Keyword:* USA

*Place\_Keyword:* South Dakota

*Place\_Keyword:* Black Hills National Forest

*Place\_Keyword:* Meade County

*Place\_Keyword:* Lawrence County

*Place\_Keyword:* Pennington County

*Place\_Keyword:* Custer County

*Place\_Keyword:* Fall River County

*Place\_Keyword:* Wyoming

*Place\_Keyword:* Weston County

*Place\_Keyword:* Crook County

*Access\_Constraints:* Freely distributable.

*Use\_Constraints:*

Data may be viewed and used by any and all entities upon request. However, data should not be changed or modified by anyone other than the originating National Forest. The USFS does not guarantee the accuracy of this data.

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* USDA Black Hills National Forest

*Contact\_Position:*

Resource Information Specialist, Forest Silviculturist, Forest GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 1019 N 5th Street

*City:* Custer

*State\_or\_Province:* SD

*Postal\_Code:* 57730

*Country:* USA

*Contact\_Voice\_Telephone:* 605-673-9200)

*Contact\_Facsimile\_Telephone:* 605-673-9350

*Contact\_Electronic\_Mail\_Address:* r2\_blackhills\_webinfo@fs.fed.us

*Hours\_of\_Service:* 8-5pm

*Data\_Set\_Credit:*

In August of 1990, the Regional Leadership Team approved an effort to integrate certain aspects of the Region's natural resource information. Among the influences leading to that decision were: "Integrated Resource Inventory and Geographic Information: Approach to Spatial Natural Resource Information in the Forest Service," a Washington Office paper (draft) that started the thinking about an explicit information structure for storing basic geographic information and determining its relationship to an integrated resource inventory; the 1988 Resource Information Project (RIP) that reviewed commonality of resource information between field units within the Forest Service; R-2's Vision 2000, adopted in December of 1989, which held that R-2's resource information is collected and stored in an electronic integrated environment as basic data, and that R-2's objective is to achieve a fully integrated resource information environment by the year 2000; and, Project 615, the Agency's acquisition of new office automation technology, including Geographic Information System (GIS). This decision led to the development and implementation of the Rocky Mountain Region Integrated Resource Inventory (IRI), which then lead to the development of R2Veg.

*Native\_Data\_Set\_Environment:*

Microsoft Windows 2000 Version 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog 9.1.0.780

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:*

All attributes were verified during the creation process by manually comparing hardcopy maps to known or desired boundary changes and through acreage reports.

*Logical\_Consistency\_Report:*

No accuracy assessment has been performed on this layer. Delineations are transferred using 1:24000 scale paper orthophotos. Data is initially based on photo interpretation with ancillary field data. Field data is used to continually update the product. The data source is documented in the sample protocol. Dynamism - This is a dynamic layer that is constantly changing to reflect the existing vegetation. Changes affecting vegetation include man made disturbance, natural disturbance, and natural succession. Change detection tools, the activity layer, digital orthoquads, and new resource photography are all necessary for maintaining this layer. Linkages - 6th level Watershed lines in this layer are coincident with lines in the watershed coverage. Ownership and forest boundaries are also coincident in this layer.

*Positional\_Accuracy:*

*Horizontal\_Positional\_Accuracy:*

*Horizontal\_Positional\_Accuracy\_Report:*

The data were created by delineating by on-screen digitizing by a resource specialist with knowledge of the ground using USGS Primary Base Series quadrangle at 1:24000 scale or 2 Meter Digital Orthoquad or collected with resource grade GPS unit, therefore the horizontal accuracy is assumed to be within National Map Accuracy Standards.

*Vertical\_Positional\_Accuracy:*

*Vertical\_Positional\_Accuracy\_Report:*

The data were created by delineating by on-screen digitizing by a resource specialist

with knowledge of the ground using USGS Primary Base Series quadrangle at 1:24000 scale or 2 Meter Digital Orthoquad or collected with resource grade GPS unit, therefore the horizontal accuracy is assumed to be within National Map Accuracy Standards.

*Lineage:*

*Process\_Step:*

*Process\_Description:*

The vectors were originally drafted on a 1:24,000 scale on a stable mylar base, utilizing the PBS quadrangles for locational placement. These vectors were then scanned into the computer utilizing LTPlus software, transferred to the MOSS software package and finally into the ArcInfo software package. The vectors were then dissolved within ArcInfo to produce the final theme.

*Process\_Date:* 1995

*Process\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* USDA Black Hills National Forest

*Contact\_Person:*

*Contact\_Position:* Resource Information Specialist

*Contact\_Voice\_Telephone:* 605-673-9200

*Contact\_Electronic\_Mail\_Address:* r2\_blackhills\_webinfo@fs.fed.us

*Process\_Step:*

*Process\_Description:*

Coverages were made coincident within a hierarchical environment. Utilizing a snapping tolerance arcs were moved to coincident features of other layers.

*Process\_Date:* 2001

*Process\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* USDA Black Hills National Forest

*Contact\_Person:*

*Contact\_Position:* Forest GIS Coordinator

*Contact\_Voice\_Telephone:* 605-673-9200

*Contact\_Electronic\_Mail\_Address:* r2\_blackhills\_webinfo@fs.fed.us

*Process\_Step:*

*Process\_Description:*

Data was converted from a coverage to a regional geodatabase model.

*Process\_Date:* 2004

*Process\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* USDA Black Hills National Forest

*Contact\_Person:*

*Contact\_Position:* Forest GIS Coordinator

*Contact\_Voice\_Telephone:* 605-673-9200

*Contact\_Electronic\_Mail\_Address:* r2\_blackhills\_webinfo@fs.fed.us

*Process\_Step:*

*Process\_Description:*

Current updates to the vegetation are completed by utilizing scanning of drafted mylar maps or on-screen digitizing. Scanning consists of drafting changes utilizing aerial photos and PBS maps then scanning into digital format and editing as needed. On-screen digitizing consists of editing directly into the computer software utilizing DOQs and other coverages in the background while inputting changes to the vectors.

*Process\_Date:* 2007-Publication Date

*Process\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* USDA Black Hills National Forest

*Contact\_Person:*

*Contact\_Position:* Forest GIS Coordinator

*Contact\_Voice\_Telephone:* 605-673-9200

*Contact\_Electronic\_Mail\_Address:* r2\_blackhills\_webinfo@fs.fed.us

*Process\_Step:*

*Process\_Description:* Metadata imported.

*Source\_Used\_Citation\_Abbreviation:* C:\DOCUME~1\LAMART~1\LOCALS~1\Temp\xml33.tmp

*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* G-polygon

*Point\_and\_Vector\_Object\_Count:* 40473

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* Label point

*Point\_and\_Vector\_Object\_Count:* 46452

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* GT-polygon composed of chains

*Point\_and\_Vector\_Object\_Count:* 46452

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* Point

*Point\_and\_Vector\_Object\_Count:* 124

*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Planar:*

*Grid\_Coordinate\_System:*

*Grid\_Coordinate\_System\_Name:* Universal Transverse Mercator

*Universal\_Transverse\_Mercator:*

*UTM\_Zone\_Number:* 13

*Transverse\_Mercator:*

*Scale\_Factor\_at\_Central\_Meridian:* 0.999600

*Longitude\_of\_Central\_Meridian:* -105.000000

*Latitude\_of\_Projection\_Origin:* 0.000000

*False\_Easting:* 500000.000000

*False\_Northing:* 0.000000

*Planar\_Coordinate\_Information:*

*Planar\_Coordinate\_Encoding\_Method:* coordinate pair

*Coordinate\_Representation:*

*Abscissa\_Resolution:* 0.001000

*Ordinate\_Resolution:* 0.001000

*Planar\_Distance\_Units:* meters

*Geodetic\_Model:**Horizontal\_Datum\_Name:* North American Datum of 1983*Ellipsoid\_Name:* Geodetic Reference System 80*Semi-major\_Axis:* 6378137.000000*Denominator\_of\_Flattening\_Ratio:* 298.257222*Vertical\_Coordinate\_System\_Definition:**Altitude\_System\_Definition:**Altitude\_Resolution:* 1.000000*Altitude\_Encoding\_Method:*

Explicit elevation coordinate included with horizontal coordinates

*Entity\_and\_Attribute\_Information:**Detailed\_Description:**Entity\_Type:**Entity\_Type\_Label:* R2VegJoined*Attribute:**Attribute\_Label:* FID*Attribute\_Definition:* Internal feature number.*Attribute\_Definition\_Source:* ESRI*Attribute\_Domain\_Values:**Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:**Attribute\_Label:* SHAPE*Attribute\_Definition:* Feature geometry.*Attribute\_Definition\_Source:* ESRI*Attribute\_Domain\_Values:**Unrepresentable\_Domain:* Coordinates defining the features.*Attribute:**Attribute\_Label:* Shape*Attribute\_Definition:* Feature geometry.*Attribute\_Definition\_Source:* ESRI*Attribute\_Domain\_Values:**Unrepresentable\_Domain:* Coordinates defining the features.*Attribute:**Attribute\_Label:* VEG\_LINK*Attribute\_Definition:* Unique attribute to link polygons to other geodatabase tables.*Attribute\_Definition\_Source:* Region 2*Attribute\_Domain\_Values:**Unrepresentable\_Domain:*

Concatenation of Partition and Poly\_ID. Generated by system when adding a new polygon.

*Attribute:**Attribute\_Label:* ACRES*Attribute\_Definition:* Internal acres of the polygon. Software generated*Attribute:**Attribute\_Label:* PARTITION*Attribute\_Definition:*

Any spatial subunit desired for grouping of polygons. Can accommodate one partition for a large area such as a National Grassland or sub units such as watershed, locations, or compartments.

*Attribute\_Definition\_Source:* Region 2

*Attribute:*

*Attribute\_Label:* POLY\_ID

*Attribute\_Definition:*

Integer values with a "precision" of 6 digits. New poly\_ids are system generated when polygons are added, split or merged.

*Attribute\_Definition\_Source:* Region 2

*Attribute:*

*Attribute\_Label:* RECORDER

*Attribute\_Definition:* Name of person attributing the polygon

*Attribute:*

*Attribute\_Label:* HORIZ\_DIV

*Attribute\_Definition:*

Continuous/Patchy. Patchiness is whenever at least 20% of the polygon is in patches.

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* P

*Enumerated\_Domain\_Value\_Definition:* Patch

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* C

*Enumerated\_Domain\_Value\_Definition:* Continuous

*Attribute:*

*Attribute\_Label:* FSVEG\_LINK

*Attribute\_Definition:* Link to NRIS-FSVeg

*Attribute:*

*Attribute\_Label:* TERRA\_LINK

*Attribute\_Definition:* Link to NRIS-TERRA

*Attribute:*

*Attribute\_Label:* FV\_HAB\_SS

*Attribute\_Definition:*

Field Verified Habitat Structural Stage. Required for all polygons.

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 1

*Enumerated\_Domain\_Value\_Definition:* Open/Grass

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 2

*Enumerated\_Domain\_Value\_Definition:* Shrub/Seedling

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 3A

*Enumerated\_Domain\_Value\_Definition:* Sapling/Pole Cover < 40%

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 3B

*Enumerated\_Domain\_Value\_Definition:* Sapling/Pole Cover 40%-70%

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 3C

*Enumerated\_Domain\_Value\_Definition:* Sapling/Pole Cover > 70%

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:**Enumerated\_Domain\_Value:* 4A*Enumerated\_Domain\_Value\_Definition:* Mature Trees Cover < 40%*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 4B*Enumerated\_Domain\_Value\_Definition:* Mature Trees Cover 40%-70%*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 4C*Enumerated\_Domain\_Value\_Definition:* Mature Trees Cover > 70%*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 5*Enumerated\_Domain\_Value\_Definition:* Over-Mature Trees*Attribute:**Attribute\_Label:* OWNER*Attribute\_Definition:*

Entity that has owner authority on the polygon. Required for every polygon.

*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* NFS*Enumerated\_Domain\_Value\_Definition:* National Forest System*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* PVT*Enumerated\_Domain\_Value\_Definition:* Not National Forest System. Other ownership.*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* STE*Enumerated\_Domain\_Value\_Definition:* State Ownership*Attribute:**Attribute\_Label:* MGT\_AREA*Attribute\_Definition:* Forest Management direction for the polygon.*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 1.1A*Enumerated\_Domain\_Value\_Definition:* Blackhills Wilderness + RNA*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 2.2*Enumerated\_Domain\_Value\_Definition:* Research Natural Areas*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 3.1*Enumerated\_Domain\_Value\_Definition:* Botanical Areas*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 3.2A*Enumerated\_Domain\_Value\_Definition:* Inyan Kara Mountain*Attribute\_Domain\_Values:**Enumerated\_Domain:*



*Enumerated\_Domain\_Value:* 3.31  
*Enumerated\_Domain\_Value\_Definition:* Backcountry Motorized Vehicle Recreation Emphasis

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 3.32  
*Enumerated\_Domain\_Value\_Definition:* Backcountry Non-Motorized Vehicle Recreation Emphasis

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 3.7  
*Enumerated\_Domain\_Value\_Definition:* Late Successional Forest Landscape

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 4.1  
*Enumerated\_Domain\_Value\_Definition:* Limited Motorized Use and Forest Product Emphasis

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 4.2A  
*Enumerated\_Domain\_Value\_Definition:* Spearfish Canyon

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 4.2B  
*Enumerated\_Domain\_Value\_Definition:* Peter Norbeck Scenic Byway

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 5.1  
*Enumerated\_Domain\_Value\_Definition:* Resource Production Emphasis

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 5.1A  
*Enumerated\_Domain\_Value\_Definition:* Southern Hills Forest and Grassland Areas

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 5.2A  
*Enumerated\_Domain\_Value\_Definition:* Fort Meade VA Hospital Watershed

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 5.3A  
*Enumerated\_Domain\_Value\_Definition:* Black Hills Experimental Forest

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 5.3B  
*Enumerated\_Domain\_Value\_Definition:* Sturgis Experimental Watershed

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 5.4  
*Enumerated\_Domain\_Value\_Definition:* Big Game Winter Range Emphasis

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 5.43

*Enumerated\_Domain\_Value\_Definition:* Big Game and Resource Production

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 5.4A

*Enumerated\_Domain\_Value\_Definition:* Norbeck Wildlife Preserve

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 5.6

*Enumerated\_Domain\_Value\_Definition:* Forest Products, Recreation, and Big Game Emphasis

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 8.2

*Enumerated\_Domain\_Value\_Definition:* Developed Recreation Complexes

*Attribute:*

*Attribute\_Label:* TIMB\_COMP

*Attribute\_Definition:*

A coded entry which identifies the suitability or non-suitability of the site for timber management. This also serves to identify resource management emphasis for activities other than timber management. Timber component is essential for monitoring the Forest Plan and is critical for upward reporting to the Timber Management Information System (TMIS).

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 310

*Enumerated\_Domain\_Value\_Definition:* Legislatively withdrawn from timber production

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 510

*Enumerated\_Domain\_Value\_Definition:* Roaded upland forest

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 511

*Enumerated\_Domain\_Value\_Definition:* Roaded tractor logging area

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 512

*Enumerated\_Domain\_Value\_Definition:* Roaded cable logging area

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 520

*Enumerated\_Domain\_Value\_Definition:* Unroaded upland forest

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 521

*Enumerated\_Domain\_Value\_Definition:* Unroaded tractor logging area

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 522

*Enumerated\_Domain\_Value\_Definition:* Unroaded cable logging area

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 591  
*Enumerated\_Domain\_Value\_Definition:* Old burns reduced productivity  
*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 630  
*Enumerated\_Domain\_Value\_Definition:* Recreation emphasis (ski area, etc)  
*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 640  
*Enumerated\_Domain\_Value\_Definition:* Visual emphasis  
*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 650  
*Enumerated\_Domain\_Value\_Definition:* Wildlife emphasis  
*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 660  
*Enumerated\_Domain\_Value\_Definition:* Water emphasis  
*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 701  
*Enumerated\_Domain\_Value\_Definition:* Old-growth other than landscape areas  
(site level)  
*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 702  
*Enumerated\_Domain\_Value\_Definition:* Old-growth landscape areas  
*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 710  
*Enumerated\_Domain\_Value\_Definition:* Restocking within 5 years cannot be  
assured  
*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 720  
*Enumerated\_Domain\_Value\_Definition:*  
Irreversible resource damage likely with current logging technology  
*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 721  
*Enumerated\_Domain\_Value\_Definition:* Topography prevents harvesting by  
tractor or by cable  
*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 722  
*Enumerated\_Domain\_Value\_Definition:* Irreversible resource damage likely due  
to unstable soils  
*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 740  
*Enumerated\_Domain\_Value\_Definition:*  
Adequate response information is lacking (i.e. sites with low productivity)  
*Attribute\_Domain\_Values:*

*Enumerated\_Domain:**Enumerated\_Domain\_Value:* 741*Enumerated\_Domain\_Value\_Definition:* Low productive sites with stand exam*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 800*Enumerated\_Domain\_Value\_Definition:* Critical game habitat*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 801*Enumerated\_Domain\_Value\_Definition:* Old-growth other than landscape areas (site level)*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 802*Enumerated\_Domain\_Value\_Definition:* Old-growth landscape areas*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 803*Enumerated\_Domain\_Value\_Definition:* Botanical areas*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 804*Enumerated\_Domain\_Value\_Definition:* Riparian areas*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 805*Enumerated\_Domain\_Value\_Definition:* Incompatible with multiple use - critical wildlife habitat*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 810*Enumerated\_Domain\_Value\_Definition:* Experimental Forest, Range or Watershed*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 820*Enumerated\_Domain\_Value\_Definition:* Minimum level allocation - uneconomical*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 821*Enumerated\_Domain\_Value\_Definition:* Steep slopes*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 822*Enumerated\_Domain\_Value\_Definition:*

Timber type currently has low product value or lack of market (Aspen)

*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 823*Enumerated\_Domain\_Value\_Definition:* Road construction problems prevent access development

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 824

*Enumerated\_Domain\_Value\_Definition:* Isolated patch of forest land

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 825

*Enumerated\_Domain\_Value\_Definition:* Developed recreation site other than ski area

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 826

*Enumerated\_Domain\_Value\_Definition:* Bur Oak

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 831

*Enumerated\_Domain\_Value\_Definition:* Paper Birch

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 832

*Enumerated\_Domain\_Value\_Definition:* Other hardwoods

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 850

*Enumerated\_Domain\_Value\_Definition:* Administrative site

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 860

*Enumerated\_Domain\_Value\_Definition:* Seed Collection Area

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 871

*Enumerated\_Domain\_Value\_Definition:* Backcountry recreation

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 872

*Enumerated\_Domain\_Value\_Definition:* Limited timber resource areas  
(Southern Hills and Inyan Kara)

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 873

*Enumerated\_Domain\_Value\_Definition:* Proposed land exchange

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 891

*Enumerated\_Domain\_Value\_Definition:* Converting pine to aspen

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 892

*Enumerated\_Domain\_Value\_Definition:* Converting pine to meadow

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 893

*Enumerated\_Domain\_Value\_Definition:* Clearcuts that won't be regenerated in 5 years

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 894

*Enumerated\_Domain\_Value\_Definition:* Converting other hardwoods to meadow

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 895

*Enumerated\_Domain\_Value\_Definition:* Converting conifers to hardwoods other than aspen

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 896

*Enumerated\_Domain\_Value\_Definition:* Converting other conifers to meadows other than ponderosa pine

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 900

*Enumerated\_Domain\_Value\_Definition:* Incapable of producing industrial wood

*Attribute:*

*Attribute\_Label:* FOREST

*Attribute\_Definition:*

The two-digit code that corresponds to the administrative forest of the National Forest responsible for the management of the site. 03=Black Hills National Forest

*Attribute:*

*Attribute\_Label:* DISTRICT

*Attribute\_Definition:*

The two digit code that corresponds to the administrative district of the National Forest responsible for the management of the site.

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* BL

*Enumerated\_Domain\_Value\_Definition:* Bearlodge (01)

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* HC

*Enumerated\_Domain\_Value\_Definition:* Hell Canyon (03)

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* MY

*Enumerated\_Domain\_Value\_Definition:* Mystic (06)

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* NH

*Enumerated\_Domain\_Value\_Definition:* Northern Hills (08)

*Attribute:*

*Attribute\_Label:* COVER\_TYPE

*Attribute\_Definition:*

The vegetative or non-vegetation type which dominates the site. Cover types are named for plant species or a nonvegetated condition that is presently (not potentially) dominant, using canopy or foliage cover as the measure of dominance.

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* GPO  
        *Enumerated\_Domain\_Value\_Definition:* bluegrass

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* GBG  
        *Enumerated\_Domain\_Value\_Definition:* blue grama, buffalo grass

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* GBL  
        *Enumerated\_Domain\_Value\_Definition:* big and sand bluestems

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* GEX  
        *Enumerated\_Domain\_Value\_Definition:* planted grasslands (exotic species)

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* GLB  
        *Enumerated\_Domain\_Value\_Definition:* little and silver bluestems

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* GNE  
        *Enumerated\_Domain\_Value\_Definition:* needle-and-thread, needlegrasses

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* GOA  
        *Enumerated\_Domain\_Value\_Definition:* oatgrass

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* GRA  
        *Enumerated\_Domain\_Value\_Definition:* grasslands (covertype not identified)

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* GSO  
        *Enumerated\_Domain\_Value\_Definition:* sideoats grama

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* GWE  
        *Enumerated\_Domain\_Value\_Definition:* rush species, wet sedge species

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* GWH  
        *Enumerated\_Domain\_Value\_Definition:* wheatgrass

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* NDV  
        *Enumerated\_Domain\_Value\_Definition:* urban or built up land

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* NFL  
        *Enumerated\_Domain\_Value\_Definition:* non-vegetated sites, cover not identified

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* NPT  
*Enumerated\_Domain\_Value\_Definition:* strip mines, quarries, and gravel pits

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* NRK  
*Enumerated\_Domain\_Value\_Definition:* rockland, talus, scree

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* NRO  
*Enumerated\_Domain\_Value\_Definition:* rights of way

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* NUR  
*Enumerated\_Domain\_Value\_Definition:* urban residential areas

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* SHR  
*Enumerated\_Domain\_Value\_Definition:* shrublands (cover type not identified)

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* SMS  
*Enumerated\_Domain\_Value\_Definition:* mountain mahogany (where a shrub), bitterbrush, skunkbrush

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* SSA  
*Enumerated\_Domain\_Value\_Definition:* sagebrush (other than sand sagebrush)

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* SSN  
*Enumerated\_Domain\_Value\_Definition:* snowberry

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* SWI  
*Enumerated\_Domain\_Value\_Definition:* willows

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* TAA  
*Enumerated\_Domain\_Value\_Definition:* aspen (birch)

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* TAE  
*Enumerated\_Domain\_Value\_Definition:* green ash

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* TBO  
*Enumerated\_Domain\_Value\_Definition:* bur oak

*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* TDF  
*Enumerated\_Domain\_Value\_Definition:* Douglas-fir



*Attribute\_Domain\_Values:*  
     *Enumerated\_Domain:*  
         *Enumerated\_Domain\_Value:* TLP  
         *Enumerated\_Domain\_Value\_Definition:* lodgepole poine  
*Attribute\_Domain\_Values:*  
     *Enumerated\_Domain:*  
         *Enumerated\_Domain\_Value:* TOH  
         *Enumerated\_Domain\_Value\_Definition:* other hardwoods  
*Attribute\_Domain\_Values:*  
     *Enumerated\_Domain:*  
         *Enumerated\_Domain\_Value:* TOS  
         *Enumerated\_Domain\_Value\_Definition:* other softwoods  
*Attribute\_Domain\_Values:*  
     *Enumerated\_Domain:*  
         *Enumerated\_Domain\_Value:* TPB  
         *Enumerated\_Domain\_Value\_Definition:* paper birch  
*Attribute\_Domain\_Values:*  
     *Enumerated\_Domain:*  
         *Enumerated\_Domain\_Value:* TPP  
         *Enumerated\_Domain\_Value\_Definition:* ponderosa pine  
*Attribute\_Domain\_Values:*  
     *Enumerated\_Domain:*  
         *Enumerated\_Domain\_Value:* TRJ  
         *Enumerated\_Domain\_Value\_Definition:* rocky mountain juniper  
*Attribute\_Domain\_Values:*  
     *Enumerated\_Domain:*  
         *Enumerated\_Domain\_Value:* TWS  
         *Enumerated\_Domain\_Value\_Definition:* white spruce (Black Hills and Shoshone)  
*Attribute\_Domain\_Values:*  
     *Enumerated\_Domain:*  
         *Enumerated\_Domain\_Value:* WAT  
         *Enumerated\_Domain\_Value\_Definition:* water (non specific)  
*Attribute\_Domain\_Values:*  
     *Enumerated\_Domain:*  
         *Enumerated\_Domain\_Value:* WRE  
         *Enumerated\_Domain\_Value\_Definition:* reservoirs and impoundments  
*Attribute\_Domain\_Values:*  
     *Enumerated\_Domain:*  
         *Enumerated\_Domain\_Value:* FCA  
         *Enumerated\_Domain\_Value\_Definition:* cattails  
*Attribute:*  
     *Attribute\_Label:* TREE\_SIZE  
     *Attribute\_Definition:*  
         A classification of the site based on the stocking and size of live trees. For trees less than 5 inches in diameter, classes are based on number of trees per acre. For trees with diameters 5.0 inches and greater, classes are based on basal area.  
*Attribute\_Domain\_Values:*  
     *Enumerated\_Domain:*  
         *Enumerated\_Domain\_Value:* N  
         *Enumerated\_Domain\_Value\_Definition:* Nonstocked (formerly trees)  
*Attribute\_Domain\_Values:*  
     *Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* E

*Enumerated\_Domain\_Value\_Definition:* Established Seedlings (<1" diameter)

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* S

*Enumerated\_Domain\_Value\_Definition:* Small - Sapling (1 -4.9" diameter)

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* M

*Enumerated\_Domain\_Value\_Definition:* Medium (5-8.9" diameter)

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* L

*Enumerated\_Domain\_Value\_Definition:* Large (9-15.9" diameter)

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* V

*Enumerated\_Domain\_Value\_Definition:* Very Large (16+" diameter)

*Attribute:*

*Attribute\_Label:* SITE\_INDEX

*Attribute\_Definition:*

A measure of the vegetative productivity of a tree or stand. Determined from the height of a tree at a specified index or base age. An indicator of the site's ability to grow timber.

*Attribute\_Domain\_Values:*

*Range\_Domain:*

*Range\_Domain\_Minimum:* 0

*Range\_Domain\_Maximum:* 150

*Attribute:*

*Attribute\_Label:* SITE\_SPECI

*Attribute\_Definition:*

The code describing the scientific name of a plant. A fifth digit is used where applicable to make the code unique. Is the determining species used for the site index

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* PIPO

*Enumerated\_Domain\_Value\_Definition:* ponderosa pine

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* POTR5

*Enumerated\_Domain\_Value\_Definition:* aspen

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* PIGL

*Enumerated\_Domain\_Value\_Definition:* white spruce

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* PSME

*Enumerated\_Domain\_Value\_Definition:* Douglas-fir

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* PICO

*Enumerated\_Domain\_Value\_Definition:* lodgepole pine

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* OTHER  
        *Enumerated\_Domain\_Value\_Definition:* other species

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* ACNE2  
        *Enumerated\_Domain\_Value\_Definition:* boxelder

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* BEPA  
        *Enumerated\_Domain\_Value\_Definition:* paper birch

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* CEMO2  
        *Enumerated\_Domain\_Value\_Definition:* alderleaf mountain mahogany

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* FRAXI  
        *Enumerated\_Domain\_Value\_Definition:* ash

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* FRPE  
        *Enumerated\_Domain\_Value\_Definition:* green ash

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* JUSC2  
        *Enumerated\_Domain\_Value\_Definition:* Rocky Mountain juniper

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* JUVI  
        *Enumerated\_Domain\_Value\_Definition:* eastern redcedar

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* PICEA  
        *Enumerated\_Domain\_Value\_Definition:* spruce

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* PIEN  
        *Enumerated\_Domain\_Value\_Definition:* Engelmann spruce

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* PIFL2  
        *Enumerated\_Domain\_Value\_Definition:* limber pine

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* POAN3  
        *Enumerated\_Domain\_Value\_Definition:* narrowleaf cottonwood

*Attribute\_Domain\_Values:*  
    *Enumerated\_Domain:*  
        *Enumerated\_Domain\_Value:* POBA2  
        *Enumerated\_Domain\_Value\_Definition:* balsam poplar

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* PODE3

*Enumerated\_Domain\_Value\_Definition:* eastern cottonwood

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* PODEM

*Enumerated\_Domain\_Value\_Definition:* plains cottonwood

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* POPUL

*Enumerated\_Domain\_Value\_Definition:* cottonwood

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* QUMA2

*Enumerated\_Domain\_Value\_Definition:* bur oak

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* SALIX

*Enumerated\_Domain\_Value\_Definition:* willow

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* ULAM

*Enumerated\_Domain\_Value\_Definition:* American elm

*Attribute:*

*Attribute\_Label:* ROCK\_PCT

*Attribute\_Definition:* Percent of surface rock in a polygon.

*Attribute:*

*Attribute\_Label:* RIP\_PCT

*Attribute\_Definition:* Percent existing riparian vegetation in polygon.

*Attribute:*

*Attribute\_Label:* TREE\_CROWN

*Attribute\_Definition:*

Total crown cover percent of trees initially migrated from R2RIS\_Site. This field is required for Forested NFS polygons when the method of survey is canopy. This is not required for CROWN methods. Crown method is calculated in the R2Veg\_Species\_Calcs table.

*Attribute:*

*Attribute\_Label:* PL\_HAB\_SS

*Attribute\_Definition:*

Same as FV\_HAB\_SS but attribute is used for monitoring of the Forest Plan. Used to reflect stand changes from the time the sale is sold to harvest accomplishment or new stand exam has been completed.

*Attribute:*

*Attribute\_Label:* PL\_COVTYPE

*Attribute\_Definition:*

Same as COVER\_TYPE but attribute is used for monitoring of the Forest Plan. Used to reflect stand changes from the time the sale is sold to harvest accomplishment or new stand exam has been completed.

*Attribute:*

*Attribute\_Label:* PL\_TR\_SIZE

*Attribute\_Definition:*

Same as TREE\_SIZE but attribute is used for monitoring of the Forest Plan. Used to reflect stand changes from the time the sale is sold to harvest accomplishment or new

stand exam has been completed.

*Attribute:*

*Attribute\_Label:* PL\_TRCROWN

*Attribute\_Definition:*

Same as TREE\_CROWN but attribute is used for monitoring of the Forest Plan. Used to reflect stand changes from the time the sale is sold to harvest accomplishment or new stand exam has been completed.

*Attribute:*

*Attribute\_Label:* DLF\_COVER

*Attribute\_Definition:* Crown cover percent of the dominant lifeform

*Attribute:*

*Attribute\_Label:* DLF\_SP\_MIX

*Attribute\_Definition:*

Top 3 species in order of cover percent for Dominant Life Forms T, S, G, or F. This field is not calculated for GSC classes.

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:*

NRCS List of values. See table or text document "Species\_Codes\_Descriptions"

*Attribute:*

*Attribute\_Label:* DLF\_PCT1

*Attribute\_Definition:*

Percent of species for the species of the Dominant lifeform with the majority cover percent.

*Attribute:*

*Attribute\_Label:* DLF\_PCT2

*Attribute\_Definition:* Percent of 2nd most dominant species of DLF\_GSC.

*Attribute:*

*Attribute\_Label:* DLF\_PCT3

*Attribute\_Definition:* Percent of 3rd most dominant species of DLF\_GSC.

*Attribute:*

*Attribute\_Label:* COVER\_MIX

*Attribute\_Definition:*

This lists the top 3 species / lifeforms or GSC classes regardless of the DLF\_GSC or MLF\_GSC. If a species code is blank, LF/GSC will be substituted for the species code.

*Attribute:*

*Attribute\_Label:* COVER\_PCT1

*Attribute\_Definition:* The cover percent of the first species listed in COVER\_MIX.

*Attribute:*

*Attribute\_Label:* COVER\_PCT2

*Attribute\_Definition:* The cover percent of the second species listed in COVER\_MIX.

*Attribute:*

*Attribute\_Label:* COVER\_PCT3

*Attribute\_Definition:* The cover percent of the third species listed in COVER\_MIX.

*Attribute:*

*Attribute\_Label:* COVTYPE\_WO

*Attribute\_Definition:*

National Cover Types based on calculations approved by Society of American Foresters and Society of Range Management. (For code descriptions see word document: National\_CoverTypeWO\_Codes.doc)

*Attribute:*

*Attribute\_Label:* LAYERING

*Attribute\_Definition:* Single or Multiple.

*Attribute:*

*Attribute\_Label:* SIZE\_CLASS

*Attribute\_Definition:*

A classification of the site based on the stocking and size of live trees. For trees less than 5 inches in diameter, classes are based on number of trees per acre. For trees with diameters 5.0 inches and greater, classes are based on basal area.

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* E (If DLF\_GSC is Tree Lifeform)

*Enumerated\_Domain\_Value\_Definition:* Established Seedlings (<1" diameter)

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* S (If DLF\_GSC is Tree or Shrub Lifeform)

*Enumerated\_Domain\_Value\_Definition:* Small - Sapling (1-4.9" diameter)

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* M (If DLF\_GSC is Tree or Shrub Lifeform)

*Enumerated\_Domain\_Value\_Definition:* Medium (5-8.9" diameter)

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* L (If DLF\_GSC is Tree or Shrub Lifeform)

*Enumerated\_Domain\_Value\_Definition:* Large (9-15.9" diameter)

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* V (If DLF\_GSC is Tree Lifeform)

*Enumerated\_Domain\_Value\_Definition:* Very Large (16+" diameter)

*Attribute:*

*Attribute\_Label:* TR\_COV\_PCT

*Attribute\_Definition:*

The total of cover percent for LF\_GSC = T in the r2veg\_species table.

*Attribute:*

*Attribute\_Label:* SH\_COV\_PCT

*Attribute\_Definition:*

The total of cover percent for LF\_GSC = S in the r2veg\_species table.

*Attribute:*

*Attribute\_Label:* GR\_COV\_PCT

*Attribute\_Definition:*

The total of cover percent for LF\_GSC = G in the r2veg\_species table.

*Attribute:*

*Attribute\_Label:* FO\_COV\_PCT

*Attribute\_Definition:*

The total of cover percent for LF\_GSC = F in the r2veg\_species table.

*Attribute:*

*Attribute\_Label:* BA\_COV\_PCT

*Attribute\_Definition:*

The total of cover percent for LF\_GSC = any of the bare categories in the r2veg\_species table such as B, BS, etc.

*Attribute:*

*Attribute\_Label:* WA\_COV\_PCT

*Attribute\_Definition:*

The total cover percent of LF\_GSC = any of the water categories in the r2veg\_species table such as W.

*Attribute:*

*Attribute\_Label:* ELEVATION

*Attribute\_Definition:* Average elevation of stand. Can be updated by a wizard.

*Attribute\_Definition\_Source:* Region 2

*Attribute:*

*Attribute\_Label:* ASPECT

*Attribute\_Definition:* Majority aspect of stand. Can be updated by a wizard.

*Attribute\_Definition\_Source:* Region 2

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* NO

*Enumerated\_Domain\_Value\_Definition:* North

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* NE

*Enumerated\_Domain\_Value\_Definition:* North East

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* NW

*Enumerated\_Domain\_Value\_Definition:* North West

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* SO

*Enumerated\_Domain\_Value\_Definition:* South

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* SE

*Enumerated\_Domain\_Value\_Definition:* South East

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* SW

*Enumerated\_Domain\_Value\_Definition:* South West

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* WE

*Enumerated\_Domain\_Value\_Definition:* West

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* EA

*Enumerated\_Domain\_Value\_Definition:* East

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* LE

*Enumerated\_Domain\_Value\_Definition:* Level

*Attribute:*

*Attribute\_Label:* SLOPE\_PCT

*Attribute\_Definition:*

Average slope in percent of the polygon. Can be updated by a wizard.

*Attribute\_Definition\_Source:* Region 2

*Attribute:*

*Attribute\_Label:* DEM

*Attribute\_Definition:*

Name of the Digital Elevation Model (DEM) used to calculate average slope, aspect, elevation for the polygon.

*Attribute\_Definition\_Source:* Region 2

*Attribute:**Attribute\_Label:* GRID\_SIZE*Attribute\_Definition:*

Size of the pixel value in the DEM, example 10 meter = 10 meter pixel.

*Attribute\_Definition\_Source:* Region 2*Attribute:**Attribute\_Label:* LOCATION*Attribute\_Definition:*

A unique land area that is easily identifiable and somewhat "permanent" on the ground. Locations aid in tracking individual sites and aid in acreage accounting. Location numbers must be unique within a proclaimed forest.

*Attribute:**Attribute\_Label:* SITE*Attribute\_Definition:*

An area of land identified by a homogeneous vegetative condition. Each site within the Location is given a unique identification number for tracking. All data collected describes the site.

*Attribute:**Attribute\_Label:* OPERATOR*Attribute\_Definition:*

The ORACLE username of the person who created or last modified the record.

*Attribute:**Attribute\_Label:* BDFT*Attribute\_Definition:*

Volume per acre of growing stock trees larger than merchantable diameter. One board foot = 12" x 12" x 1".

*Attribute:**Attribute\_Label:* BDFT\_NETGR*Attribute\_Definition:*

A one-letter alphabetic code indicating whether the calculated board foot volume is net or gross.

*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* N*Enumerated\_Domain\_Value\_Definition:* Net Board Feet*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* G*Enumerated\_Domain\_Value\_Definition:* Gross Board Feet*Attribute:**Attribute\_Label:* CUFT\_LIVE*Attribute\_Definition:*

Cubic volume per acre of live growing stock trees 5.0 inches in diameter and larger (based on RMSTAND defaults).

*Attribute:**Attribute\_Label:* CUFT\_CULL*Attribute\_Definition:*

Cubic volume per acre in live sound and rotten cull trees 5.0 inches in diameter and larger.

*Attribute:**Attribute\_Label:* CUFT\_DEAD*Attribute\_Definition:*

Cubic volume per acre in salvageable dead and mortality trees 5.0 inches in diameter



and larger (standing and down).

*Attribute:*

*Attribute\_Label:* NET\_GROWTH

*Attribute\_Definition:*

Net Growth is calculated by determining the current gross growth (ingrowth and accretion) and subtracting the current annual mortality.

*Attribute:*

*Attribute\_Label:* LIV\_TREE\_0

*Attribute\_Definition:*

The sum of the expansion factor (trees per acre) for all live trees on the site.

*Attribute:*

*Attribute\_Label:* LIV\_TREE\_1

*Attribute\_Definition:*

The sum of the expansion factor (trees per acre) for live trees on the site with diameters greater than or equal to 1.0 inch.

*Attribute:*

*Attribute\_Label:* LIV\_TREE\_5

*Attribute\_Definition:*

The sum of the expansion factor (trees per acre) for live trees on the site with a diameter greater than or equal to 5.0 inches.

*Attribute:*

*Attribute\_Label:* LIVE\_BA\_1

*Attribute\_Definition:*

The sum of the BASAL AREA for all live trees on the site with a diameter greater than or equal to 1.0 inch.

*Attribute:*

*Attribute\_Label:* LIVE\_BA\_5

*Attribute\_Definition:*

The sum of the BASAL AREA for all live trees on the site with a diameter greater than or equal to 5.0 inch.

*Attribute:*

*Attribute\_Label:* DEAD\_BA\_5

*Attribute\_Definition:*

The sum of the BASAL\_AREA for each tree on the site, where status is coded as standing mortality, down mortality, standing sound dead, down sound dead, or standing unsound dead, and greater than or equal to 5.0 inches.

*Attribute:*

*Attribute\_Label:* QMD\_1

*Attribute\_Definition:*

The weighted average diameter for live trees with a diameter of 1.0 inch or greater.

*Attribute:*

*Attribute\_Label:* QMD\_5

*Attribute\_Definition:*

The weighted average diameter for live trees with a diameter of 5.0 inches or greater.

*Attribute:*

*Attribute\_Label:* SNAG\_HARD

*Attribute\_Definition:*

The number of sound standing snags per acre that are 5 inches and greater in diameter.

*Attribute:*

*Attribute\_Label:* SNAG\_SOFT

*Attribute\_Definition:*

The number of non-sound (rotten) standing snags per acre that have a diameter of 5 inches or greater.

*Attribute:**Attribute\_Label:* DEAD\_DOWN*Attribute\_Definition:*

The number of dead and down trees on the site, calculated as the sum of the expansion factor (Blow-up factor). Includes dead trees that were recorded with a status of down mortality, down sound dead, or down unsound dead, and having a diameter greater than or equal to 5.0 inches.

*Attribute:**Attribute\_Label:* STAND\_MORT*Attribute\_Definition:*

The number of standing mortality trees on the site with diameter of 5 inches or greater.

*Attribute:**Attribute\_Label:* TOTAGE\_0\_3*Attribute\_Definition:* The average age of all live trees less than 3.0 inches.*Attribute:**Attribute\_Label:* DBHAGE\_3\_5*Attribute\_Definition:* The average age of all live trees 3.0 to 4.9 inches.*Attribute:**Attribute\_Label:* DBHAGE\_5\_9*Attribute\_Definition:* The average age of all live trees 5.0 to 8.9 inches.*Attribute:**Attribute\_Label:* DBHAGE\_9*Attribute\_Definition:* The average age of all live trees 9.0 inches and greater.*Attribute:**Attribute\_Label:* INSECT\_0*Attribute\_Definition:*

This is the calculated number of live trees per acre that have damage due to insect and disease agents and are less than 5.0 inches in diameter.

*Attribute:**Attribute\_Label:* INSECT\_5*Attribute\_Definition:*

This is the calculated number of live trees per acre that have damage due to insect and disease agents and are 5.0 inches and greater in diameter.

*Attribute:**Attribute\_Label:* DISEASE\_0*Attribute\_Definition:*

This is the calculated number of trees per acre that have damage or have died due to agents other than insects or disease and are less than 5.0 inches in diameter.

*Attribute:**Attribute\_Label:* DISEASE\_5*Attribute\_Definition:*

This is the calculated number of trees per acre that have damage or have died due to agents other than insects or disease and are 5.0 inches and greater in diameter.

*Attribute:**Attribute\_Label:* TOTHGT\_0\_3*Attribute\_Definition:*

The average height of the tree(s) in the site for trees less than 3.0 inches.

*Attribute:**Attribute\_Label:* TOTHGT\_3\_5*Attribute\_Definition:*

The average height of the tree(s) in the site for trees 3.0 to 4.9 inches.

*Attribute:**Attribute\_Label:* TOTHGT\_5\_9

- Attribute\_Definition:*  
The average height of the tree(s) in the site for trees 5.0 to 8.9 inches.
- Attribute:*  
*Attribute\_Label:* TOTHGT\_9  
*Attribute\_Definition:*  
The average height of the tree(s) in the site for trees 9.0 inches and greater.
- Attribute:*  
*Attribute\_Label:* AMD\_PC  
*Attribute\_Definition:*  
The average maximum density projected for a stand, based on Regional Gingrich Stocking Curves. Figure is the average maximum density reported in square feet of basal area per acre. The percent tells the user relatively how dense the stand is.
- Attribute:*  
*Attribute\_Label:* STDEN\_INDX  
*Attribute\_Definition:*  
SDI is an expression of density of stocking. It is a measure of the relationship between quadratic mean diameter and trees per acre.
- Attribute:*  
*Attribute\_Label:* CONF\_INTER  
*Attribute\_Definition:*  
statistical measure of the reliability of the sampled data in describing the population. Value is based on the basal area of a site for sites that are poletimber or sawtimber in size, or the number of trees on a site that is seedling/sapling is size.
- Attribute:*  
*Attribute\_Label:* SDI\_RATING  
*Attribute\_Definition:*  
A rating for the site containing: a) The percent of points non-stocked, b) The percent of the total site's total SDI in each of 5 diameter classes, and c) The percent the current site's SDI is of the maximum SDI for the cover type. This rating can be used to produce a picture of the stand in relation to other uses (e.g., spotted owl habitat). Example: 10.12331.90 (In this example, 10 stands for 10% of the points being non-stocked, 12331 is the percent of the SDI round to the nearest 10% in each of 5 diameter classes (each digit represents one diameter class) and 90 is the sites current SDI rating percentage of the maximum possible (90%)).
- Attribute:*  
*Attribute\_Label:* NONST\_PCT  
*Attribute\_Definition:*  
Percent of the points in a stand examination that do not meet minimum stocking standards.
- Attribute:*  
*Attribute\_Label:* YR\_ORIGIN  
*Attribute\_Definition:*  
The year that approximates the date of origin for the stand. The RMSTAND program will calculate the year of origin on survey types C or I where age data is collected. This item will not be automatically replaced when loading stand data to prevent losing more accurate data that may have been entered.
- Attribute:*  
*Attribute\_Label:* GISLINK2  
*Attribute\_Definition:*  
Provide a crucial link to GIS, they are concatenations of LOCATION and SITE which are calculated through a SQL macro.
- Attribute:*  
*Attribute\_Label:* GISLINK

*Attribute\_Definition:*

Provide a crucial link to GIS, they are concatenations of LOCATION, SITE and PROC\_FOREST which are calculated through a SQL macro.

*Attribute:*

*Attribute\_Label:* SETTING\_ID

*Attribute\_Definition:*

Uniquely identifies the setting where the data are collected. This field may contain the following information: For stand exams - Region, Forest, District, Location, and Stand Number. For FIA data - State(2), survey unit(2), county(3), plot Id(5)

*Attribute:*

*Attribute\_Label:* OBJECTID

*Attribute\_Definition:* Internal feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* TIMB\_PROD

*Attribute\_Definition:*

An expression of the productivity of a site, expressed as cubic feet per acre per year. Productivity is an inherent characteristic of the site and is not generally affected by land or resource management activities. If RMSTAND is used to process Stand Exam data timber productivity can be determined from the program summaries. In stand exam data is not available, productivity must be estimated from plant association, soil series, or other sources. The method of arriving at productivity should be documented in the site folder.

*Attribute:*

*Attribute\_Label:* SHAPE

*Attribute\_Definition:* Feature geometry.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Coordinates defining the features.

*Attribute:*

*Attribute\_Label:* SURVEYDATE

*Attribute\_Definition:*

The month, day and year the survey was completed on the site. Enter in the form mm/dd/yyyy.

*Attribute:*

*Attribute\_Label:* BUG\_RISK

*Attribute\_Definition:* The numeric beetle risk rating for forest cover type.

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

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*Enumerated\_Domain\_Value\_Definition:* Not Computed

*Attribute\_Domain\_Values:*

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*Enumerated\_Domain\_Value\_Definition:* Low

*Attribute\_Domain\_Values:*

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*Enumerated\_Domain\_Value\_Definition:* Medium Low

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:**Enumerated\_Domain\_Value:* 3*Enumerated\_Domain\_Value\_Definition:* Medium*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 4*Enumerated\_Domain\_Value\_Definition:* Medium High*Attribute\_Domain\_Values:**Enumerated\_Domain:**Enumerated\_Domain\_Value:* 5*Enumerated\_Domain\_Value\_Definition:* High*Attribute:**Attribute\_Label:* CM\_HAB\_SS*Attribute\_Definition:*

Combined field - PL\_HAB\_SS where exists, FV\_HAB\_SS everywhere else. Used to show existing condition of field since last stand exam.

*Attribute:**Attribute\_Label:* CM\_COVTYPE*Attribute\_Definition:*

Combined field - PL\_COVTYPE where exists, COVER\_TYPE everywhere else. Used to show existing condition of field since last stand exam.

*Attribute:**Attribute\_Label:* CM\_TR\_SIZE*Attribute\_Definition:*

Combined field - PL\_TR\_SIZE where exists, TREE\_SIZE everywhere lse. Used to show existing condition of field since last stand exam.

*Attribute:**Attribute\_Label:* CM\_TRCROWN*Attribute\_Definition:*

Combined field - PL\_TRCROWN where exists, TREE\_CROWN everywhere else. Used to show existing condition of field since last stand exam.

*Attribute:**Attribute\_Label:* SHAPE\_Length*Attribute\_Definition:* Length of feature in internal units.*Attribute\_Definition\_Source:* ESRI*Attribute\_Domain\_Values:**Unrepresentable\_Domain:* Positive real numbers that are automatically generated.*Attribute:**Attribute\_Label:* SHAPE\_Area*Attribute\_Definition:* Area of feature in internal units squared.*Attribute\_Definition\_Source:* ESRI*Attribute\_Domain\_Values:**Unrepresentable\_Domain:* Positive real numbers that are automatically generated.*Distribution\_Information:**Distributor:**Contact\_Information:**Contact\_Organization\_Primary:**Contact\_Organization:* USDA Black Hills National Forest*Contact\_Person:**Contact\_Position:* Forest Resource Information Specialist

*Contact\_Voice\_Telephone:* 605-673-9200  
*Contact\_Electronic\_Mail\_Address:* r2\_blackhills\_webinfo@fs.fed.us  
*Resource\_Description:* Downloadable Data  
*Standard\_Order\_Process:*  
*Digital\_Form:*  
*Digital\_Transfer\_Information:*  
*Transfer\_Size:* 80.992  
*Digital\_Transfer\_Option:*  
*Online\_Option:*  
*Access\_Instructions:*

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 2009-03-05

*Metadata\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* USDA Forest Service, Black Hills National Forest

*Contact\_Position:* Forest GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 1019 N 5th Street

*City:* Custer

*State\_or\_Province:* SD

*Postal\_Code:* 57730

*Country:* USA

*Contact\_Voice\_Telephone:* 605-673-9200

*Contact\_Electronic\_Mail\_Address:* r2\_blackhills\_webinfo@fs.fed.us

*Hours\_of\_Service:* 8am - 5pm

*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata

*Metadata\_Standard\_Version:* FGDC-STD-001-1998

*Metadata\_Time\_Convention:* local time

*Metadata\_Extensions:*

*Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>

*Profile\_Name:* ESRI Metadata Profile

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