

**Forest Service Handbook
National Headquarters - Washington Office
Washington, DC**

Forest Service Handbook 1909.14 – Resource Inventory Handbook

Chapter 20 - National Inventory Information Specifications

Amendment: 1909.14-Amend 1

Effective date: March 29, 1990

Duration: This amendment is effective until superseded or removed.

Superseded Directive:

Approved by:

Date approved:

Responsible Staff:

Explanation of changes:

Sec. 23, Exhibit 1

DATA WHICH MAY BE NEEDED FOR RESOURCE PLANNING ACT ASSESSMENTS BY FUNCTION

Type ¹	Data Element Name	RGE	REC	TIM	WSH	AIR	WLF	FIS	GEO	LND	FIR ²
A	Chemistry, Atmospheric	~	~	~	~	Y ³	~	~	~	~	~
A	Chemistry, Snowpack	~	~	~	~	Y	~	~	~	~	~
A	Climate Type	~	~	~	~	~	Y	~	~	~	~
A	Odor Type and Concentration	~	~	~	~	Y	~	~	~	~	~
A	Pollutant Loading	~	~	~	~	Y	~	~	~	~	~
A	Precipitation, Average Annual	~	Y	~	~	Y	~	~	~	~	~
A	Precipitation, Hourly	~	~	~	Y	~	~	~	~	~	~
A	Relative Humidity	~	~	~	~	Y	~	~	~	~	~
A	Visual Quality	~	~	~	~	Y	~	~	~	~	~
A	Visual Range	~	~	~	~	Y	~	~	~	~	~
E	Ecological Status	Y	~	~	~	Y	Y	Y	~	~	~
E	Ecological Type (Habitat Type)	Y	~	~	~	Y	Y	Y	~	~	~
E	Ecological Unit	Y	~	~	Y	~	~	~	~	~	~
E	Ecoregion Code	Y	~	~	~	~	Y	Y	~	~	~
E	Ecosystem/Cover Type	Y	Y	Y	~	Y	Y	Y	~	~	~
E	Land - Aquatic Type Association	~	~	~	~	~	~	Y	~	~	~
E	Land Surface Form Code	~	~	~	~	~	Y	Y	~	~	~
E	Potential Natural Community	Y	~	~	~	Y	Y	Y	~	~	~
E	Trend	Y	~	~	~	~	~	~	~	~	~
F	Fish Harvest	~	~	~	~	~	~	Y	~	~	~
F	Fisheries Classification	~	~	~	~	~	~	Y	~	~	~
F	Species Management Status	~	~	~	~	~	~	Y	~	~	~
F	T & E Species Habitat	~	~	~	~	Y	Y	Y	~	~	~
F	Wildlife & Fish Habitat Capability	~	~	~	~	~	Y	Y	~	~	~
F	Wildlife/Fish/T&E Abundance	~	~	~	~	Y	Y	Y	~	~	~

Sec. 23, Exhibit 1 -- Continued

Type ¹	Data Element Name	RGE	REC	TIM	WSH	AIR	WLF	FIS	GEO	LND	FIR ²
G	Landforms	~	Y	~	Y	~	Y	Y	~	~	~
G	Mineral Commodities	~	~	~	~	~	~	~	Y	~	~
G	Mineral Resource	~	~	~	~	Y	~	~	~	~	~
G	Paleontological Resources	~	~	~	~	Y	~	~	~	~	~
L	Administrative Unit	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
L	Congressional District	~	~	~	~	~	~	~	~	Y	~
L	County, Parish, Borough, Township	~	~	~	~	~	~	~	~	Y	~
L	Ownership	Y	~	Y	~	~	~	~	~	~	~

Sec. 23, Exhibit 1 -- Continued

Type ¹	Data Element Name	RGE	REC	TIM	WSH	AIR	WLF	FIS	GEO	LND	FIR ²
L	Private Forest Land Owner	Y	~	Y	~	~	~	~	~	~	~
L	Proclaimed Unit (NFFID)	~	~	~	~	~	~	~	~	Y	~
L	Region/Station/Area	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
L	State/Territory	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
L	Subregion	~	~	Y	~	~	~	~	~	~	~
L	Withdrawals	Y	~	Y	~	~	~	~	Y	Y	~
R	Land Use Class	Y	Y	Y	Y	Y	Y	Y	~	~	~
R	Public Access	~	Y	~	~	~	~	~	~	~	~
R	Range Treatment Class	Y	~	~	~	~	~	~	~	~	~
R	Recreation Opportunity Class	~	Y	~	~	~	~	~	~	~	~
R	Recreation Use	~	Y	~	~	~	~	~	~	~	~
R	Road Functional Class	~	Y	~	~	~	~	~	~	~	~
R	Road Surface	~	Y	~	~	~	~	~	~	~	~
R	Road System	~	Y	~	~	~	~	~	~	~	~
R	Timber Treatment Opportunity Class	~	~	Y	~	~	~	~	~	~	~
R	Time Since Disturbance	Y	Y	~	~	~	~	~	~	~	~
R	Traffic Lanes	~	Y	~	~	~	~	~	~	~	~
R	Water Uses	~	~	~	~	~	~	~	~	Y	~
R	Wildlife & Fish User Days (WFUD)	~	~	~	~	Y	Y	Y	~	~	~
S	Depth to Bedrock or Restriction	Y	~	~	~	~	~	~	~	~	~
S	Erosion Severity	~	~	~	Y	~	~	~	~	~	~
S	Mass Stability	~	~	~	Y	~	~	~	~	~	~
S	Parent Material	~	~	~	~	~	~	Y	~	~	~
S	Soil Cover	Y	~	~	Y	~	~	~	~	~	~
S	Soil Drainage Class	Y	~	~	~	~	~	~	~	~	~
S	Soil Erosion Type	~	~	~	Y	~	Y	Y	~	~	~
S	Soil Map Unit	~	~	~	Y	~	~	~	~	~	~

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Type ¹	Data Element Name	RGE	REC	TIM	WSH	AIR	WLF	FIS	GEO	LND	FIR ²
S	Soil Structure	Y	~	~	~	~	~	~	~	~	~
S	Soil Taxonomic Unit	Y	~	~	Y	Y	~	~	~	~	~
S	Soil Texture	Y	~	~	~	~	~	~	~	~	~
V	Bark Thickness	~	~	Y	~	~	~	~	~	~	~
V	Basal Area	Y	~	Y	~	~	Y	~	~	~	~
V	Bole Length	~	~	Y	~	~	~	~	~	~	~
V	Bole Top Diameter	~	~	Y	~	~	~	~	~	~	~
V	Butt Log Grade	~	~	Y	~	~	~	~	~	~	~
V	Canopy Cover	Y	~	~	~	~	~	~	~	~	~

Sec. 23, Exhibit 1 -- Continued

Type ¹	Data Element Name	RGE	REC	TIM	WSH	AIR	WLF	FIS	GEO	LND	FIR ²
V	Cause of Death/Injury	~	~	Y	~	Y	~	~	~	~	~
V	Crown Class	Y	~	Y	~	~	~	~	~	~	~
V	Crown Closure (Cover)	Y	~	Y	~	~	~	~	~	~	~
V	Crown Foliage Density	Y	~	~	~	~	~	~	~	~	~
V	Crown Form (Shape)	Y	~	~	~	~	~	~	~	~	~
V	Crown Length (Depth)	Y	~	Y	~	~	~	~	~	~	~
V	Crown Ratio	Y	~	Y	~	~	~	~	~	~	~
V	Crown Volume Percent	Y	~	~	~	~	~	~	~	~	~
V	Crown Width (Diameter)	Y	~	Y	~	~	~	~	~	~	~
V	Diameter at Breast Height (d.b.h.)	Y	~	Y	~	~	~	~	~	~	~
V	Diameter, Basal	~	~	Y	~	~	~	~	~	~	~
V	Forage Utilization	Y	~	~	~	~	~	~	~	~	~
V	Forest Land Class	Y	~	Y	~	~	Y	~	~	~	~
V	Height Growth	Y	~	Y	~	~	~	~	~	~	~
V	Height to Crown, Compacted	Y	~	Y	~	~	~	~	~	~	~
V	Height to Crown, Uncompacted	Y	~	~	~	~	~	~	~	~	~
V	Land Cover Category	Y	Y	Y	Y	Y	Y	Y	~	~	~
V	Mistletoe Infection Rating	~	~	Y	~	~	~	~	~	~	~
V	Most Hazardous Pest	~	~	Y	~	~	~	~	~	~	~
V	Plant Species	~	Y	Y	~	Y	Y	~	~	~	~
V	Principle Defect	~	~	Y	~	~	~	~	~	~	~
V	Production, Forage	Y	~	~	~	~	Y	~	~	~	~
V	Radial Growth (Increment)	Y	~	Y	~	~	~	~	~	~	~
V	Sawlog Length	~	~	Y	~	~	~	~	~	~	~
V	Sawlog Top Diameter	~	~	Y	~	~	~	~	~	~	~
V	Seedling/Shrub Count	Y	~	Y	~	~	~	~	~	~	~
V	Site Index	Y	~	Y	~	~	~	~	~	~	~

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Type ¹	Data Element Name	RGE	REC	TIM	WSH	AIR	WLF	FIS	GEO	LND	FIR ²
V	Site Productivity Class	Y	~	Y	~	~	~	~	~	~	~
V	Site Tree Quality	Y	~	Y	~	~	~	~	~	~	~
V	Stand Age	Y	Y	Y	~	~	Y	Y	~	~	~
V	Stand Condition	~	~	Y	~	~	Y	~	~	~	~
V	Stand History	Y	Y	~	~	~	~	~	~	~	~
V	Stand Origin	Y	Y	Y	~	~	~	~	~	~	~
V	Stand Size Class	~	~	Y	~	~	Y	~	~	~	~
V	Stand Structure	~	Y	Y	~	~	Y	~	~	~	~
V	Stand Year of Origin	~	~	Y	~	~	Y	~	~	~	~

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Type ¹	Data Element Name	RGE	REC	TIM	WSH	AIR	WLF	FIS	GEO	LND	FIR ²
V	Stocking Percent	Y	~	Y	~	~	Y	Y	~	~	~
V	Tree Age	Y	Y	Y	~	~	~	~	~	~	~
V	Tree Class	~	~	Y	~	~	~	~	~	~	~
V	Tree History	~	~	Y	~	~	~	~	~	~	~
V	Tree Length (Height)	Y	~	Y	~	~	~	~	~	~	~
V	Tree Top Condition	~	~	Y	~	~	~	~	~	~	~
V	Tree Volume	~	~	Y	~	~	~	~	~	~	~
V	Vegetation Density	~	~	Y	~	~	Y	Y	~	~	~
V	Vegetation Height	Y	~	~	~	~	Y	~	~	~	~
W	Channel Depth	~	~	~	~	~	~	~	~	~	~
W	Channel Entrenchment	~	~	~	Y	~	~	~	~	~	~
W	Channel Gradient	~	~	~	Y	~	~	~	~	~	~
W	Chemistry, Water	~	~	~	~	Y	~	~	~	~	~
W	Embeddedness	~	~	~	Y	~	~	~	~	~	~
W	Hydrologic Unit Code	~	~	~	Y	~	~	~	~	~	~
W	Stream Type	~	~	~	Y	~	~	~	~	~	~
W	Stream Width	~	~	~	Y	~	~	~	~	~	~
W	Streamflow	~	~	~	~	~	~	Y	~	~	~
W	Suspended Sediment	~	~	~	Y	~	~	Y	~	~	~

A = Air and Climate Related Variables

E = Ecology Related Variables

F = Fish/Wildlife Related Variables

G = Geology Related Variables

L = Lands and Land Status Related Variables

R = Resource and Land Use Related Variables

S = Soil Related Variables

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V = Vegetation Related Variables

W = Water Related Variables

Variables are listed alphabetically within these groupings and are defined in the Interim Resource Inventory Glossary.

RGE is Range and Livestock

REC is Recreation and Wilderness

TIM is Timber

WSH/AIR is Watershed and Air

WLF/FIS is Wildlife and Fisheries

GEO is Minerals and Geology

LND is Lands

FIR is Fire

¹ Data Element (Variable) Type. For ease of reference, data elements or variables are groups by classes as follows:

² Function Identification. The following codes are used to identify specific resource functions:

³ "Y" indicates the data element may be needed to generate the specified information.