

HI5Db

The New WLIS

Blakey Lockman and Gregg DeNitto

USDA Forest Service, Northern Region Forest Health Protection

Tony Courter

USDA Forest Service, Forest Health Technology Enterprise Team

- Includes all high-elevation 5-needle pines
- Internet-based
 - Real-time update
 - User direct data input
 - Password protection for data manipulation
- Universal upload utility
- Includes additional data entry fields
- Plot location distortion available
- Permanent plot data revisit updates

Significant Changes from WLIS

- Foxtail Pine
- Great Basin Bristlecone Pine
- Limber Pine
- Rocky Mountain Bristlecone Pine
- Southwestern White Pine
- Whitebark Pine

Species

- Permanent Plot
- Fuels data available
- Regeneration
 - 5-needle pine
 - All species

New Data



Welcome gdenitto to the Five Needle Pine Data Portal

Manage Users

Logout

Manage Data

Upload Transect Data

Reports

Mapping

Empty CSV Template



Forest Service



FHP FHTET

Hi5Db Home

U.S.A.
 Canada

State/Prov

Alberta
British Columbia
NW Territories

Source Like:

Year Filter

2002
2012

<<< >>>

View & Browse
 New Plot
 Modify
 Delete
 Revisit

Submit

HISDb Plot Data

Source Help

[Large empty text input field]

Administration Unit: [Dropdown] Distort Plot Location?

Survey Date

Mon. [Dropdown]
Year [Dropdown]

Perm. Plot

Yes No
Year Est. [Dropdown]

Elevation

[Input] %
 Ft. M.

Slope

[Input] % Deg.

Plot Type

Fix. Var. Obs.

Remeasure?

Yes No

Fuels Data

Yes No

Aspect

[Input] Deg.

Five Needle Pine Species Present

whitebark limber Rocky Mountain bristlecone GreatBasin bristlecone foxtail southwestern white

White Pine Blister Rust Present

Yes No Not Evaluated

% Mort from Blister Rust

Yes No Not Evaluated

% Mortality from All Causes

Yes No Not Evaluated

Percent Infection

[Input] %
 by BA by TPArea

BR Mortality

[Input] %
 by BA by TPArea

All Mortality

[Input] %
 by BA by TPArea

Coordinates

Latitude: [Input]
Longitude: [Input]
Methodology: [Dropdown]

Projection Details

Dec.Deg. DMS
 DDM UTM
 State Plane



- View & Browse
- New Plot
- Modify
- Delete
- Revisit
-
-

Five Needle Pine Species Present

whitebark limber Rocky Mountain bristlecone GreatBasin bristlecone foxtail southwestern white

White Pine Blister Rust Present

Yes No Not Evaluated

Percent Infection

%

by BA by TPArea

% Mort from Blister Rust

Yes No Not Evaluated

BR Mortality

%

by BA by TPArea

% Mortality from All Causes

Yes No Not Evaluated

All Mortality

%

by BA by TPArea

Density of Five Needle Pines

Measured Not Evaluated

SNP Basal Area

Sq. Ft. / Acre Sq. M. / Hectare

SNP Trees/Area

by Acre by Hectare

% Component Other Species

Measured Not Evaluated

Other Species

% Component

Sq. Ft. / Acre Sq. M. / Hectare

Other Injurious Agents

- None
- Not Evaluated
- Animal
- Competition
- Dwarf Mistletoe
- Mountain Pine Beetle
- Needle Disease

SNP Species in Regen

whitebark
limber
Rocky Mountain bristlecone
Great Basin bristlecone
foxtail
southwestern white

Regen of Five Needle Pine

Yes No Not Evaluated

Regeneration Definition

Live SNP TPA

Dead SNP TPA

Live % Infected

Regen of Other Species

Live Non-SNP TPA

Dead Non-SNP TPA



Universal Upload Utility

Press the 'Browse' button to navigate to your comma-delimited data file and then push the 'Read Header Row' button. Your custom field names will display in the left-hand column and in the 'Your Fields' pulldown boxes. Map your fields to the corresponding fields in the High Five Needle Pine Data Structure by selecting each from the 'Your Fields' pulldown boxes. Selected field names will be removed from the other pulldowns

Coordinate System?

Distort Plot Location?

		Hi5Db Data Structure
<input type="button" value="v"/>		Source
<input type="button" value="v"/>		Survey Month
<input type="button" value="v"/>		Year
<input type="button" value="v"/>		Perm Plot Y or N
<input type="button" value="v"/>		Perm Plot Year
<input type="button" value="v"/>		Perm Plot Remeasure Y or N
<input type="button" value="v"/>		Plot Type
<input type="button" value="v"/>		Elevation
<input type="button" value="v"/>		Elevation Unit
<input type="button" value="v"/>		Slope
<input type="button" value="v"/>		Slope Unit
<input type="button" value="v"/>		Aspect

removed from the other pulldowns when they are selected. Push the 'Map Data' button to establish the critical data relationships, and push the 'Submit' Button to commence the upload process.

<input type="text"/>	<input type="text"/>	Slope	<input type="text"/>
<input type="text"/>	<input type="text"/>	Slope Unit	<input type="text"/>
<input type="text"/>	<input type="text"/>	Aspect	<input type="text"/>
<input type="text"/>	<input type="text"/>	Fuels Data Y or N	<input type="text"/>
<input type="text"/>	<input type="text"/>	MultiSpeciesField	<input type="text"/>
<input type="text"/>	<input type="text"/>	Whitebark Pine Y or N	<input type="text"/>
<input type="text"/>	<input type="text"/>	Limber pine Y or N	<input type="text"/>
<input type="text"/>	<input type="text"/>	Rocky Mt bristlecone Y or N	<input type="text"/>
<input type="text"/>	<input type="text"/>	Great Basin bristlecone Y or N	<input type="text"/>
<input type="text"/>	<input type="text"/>	Foxtail pine Y or N	<input type="text"/>
<input type="text"/>	<input type="text"/>	Southwestern white pine Y or N	<input type="text"/>
<input type="text"/>	<input type="text"/>	Nation	<input type="text"/>
<input type="text"/>	<input type="text"/>	State Prov	<input type="text"/>
<input type="text"/>	<input type="text"/>	County Mun	<input type="text"/>
<input type="text"/>	<input type="text"/>	FIPS	<input type="text"/>
<input type="text"/>	<input type="text"/>	AdminUnit	<input type="text"/>
<input type="text"/>	<input type="text"/>	Latitude	<input type="text"/>
<input type="text"/>	<input type="text"/>	Longitude	<input type="text"/>
<input type="text"/>	<input type="text"/>	GPS_Methodology	<input type="text"/>
<input type="text"/>	<input type="text"/>	WPBRPresent_Y_N_NE	<input type="text"/>
<input type="text"/>	<input type="text"/>	WPBRPerInf	<input type="text"/>
<input type="text"/>	<input type="text"/>	WPBRPerInf_Units	<input type="text"/>

<input type="checkbox"/>	<input type="checkbox"/>	WPBRPerInf	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	WPBRPerInf_Units	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	WPBRPerMort_Y_N_NE	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	WPBRPerMort	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	WPBRPerMort_Unit	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	AllPerMort_Y_N_NE	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	AllPerMort	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	AllPerMort_Unit	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	FNP Density M NE	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	FNP_BA	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	FNP_BA_Unit	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	FNP_TPArea	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	FNP_TPA_Unit	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Other Sp M or NE	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Other Species %	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Other Species Unit	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Other Injurious Agents	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	FNP Regen Y N NE	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Def_Regen	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	FNP Regen Species	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	FNP Regen Live TPA	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	FNP Regen Dead TPA	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	FNP Live Regen Per Inf	<input type="checkbox"/>

<input type="checkbox"/>		
<input type="checkbox"/>	Def_Regen	
<input type="checkbox"/>	FNP Regen Species	
<input type="checkbox"/>	FNP Regen Live TPA	
<input type="checkbox"/>	FNP Regen Dead TPA	
<input type="checkbox"/>	FNP Live Regen Per Inf	
<input type="checkbox"/>	Other Sp Regen Live TPA	
<input type="checkbox"/>	Other Sp Regen Dead TPA	
<input type="checkbox"/>	Created_by	
<input type="checkbox"/>	Created_Date	
<input type="checkbox"/>	Modified_by	
<input type="checkbox"/>	Modified_Date	
<input type="checkbox"/>	Record History	
<input type="checkbox"/>	True Lat	
<input type="checkbox"/>	True Lon	
<input type="checkbox"/>	Plot_SSN	<input type="text"/>
	Shape	
Auto Generated	Spot SSN (auto Gen)	Auto Generated
GPS Only	Posit. Accuracy	GPS Only

