Land Treatment Digital Library

Data Storage Tables

U.S. Department of the Interior
U.S. Geological Survey
Forest and Rangeland Ecosystem Science Center

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Metadata/Key

Table Type:	Data Storage Tables
Definition:	Store information created during data entry. Values are given for check box fields where a numeric value is present in the table and a check box or other indicator is present on the form. Tables that use pick lists indicate which table is used to populate the list.

Table Type Key	
Name	**Definition**
Data Entry Table: User entered	Data entered directly by users on forms, this data can be edited within the table if necessary.
Data Entry Table: Automatically Calculated	Data entered when a user runs a tool or function in the Land Treatment Digital Library (LTDL) and data are automatically calculated and entered into the table. The user should not change this data.

Table Function Key	
Name	**Definition**
Data Storage	Stores critical input data that appear on LTDL forms. This is actual project and treatment data that will be saved.
Settings	Stores user specified settings such as color schemes, default displays, GIS layers. Used to enhance user interface.
Temporary	Temporary storage table used during processing or the selection of data.
Tool Settings	Stores temporary data necessary to run a tool or function in the LTDL.

List of Data Storage Tables			
Batch Overlap	Land Types Affected	Project GIS Single	Treatment GIS Metadata
Batch Results	LTDL	Project Identifiers	Treatment GIS Multiple Treatments
Contact Defaults	Multiple Treatment GIS Attributes	Project IDs Check	Treatment GIS Single
Cooperators	New Project Name Popup	Project Log	Treatment Hyperlinks
Equipment Used	Photo Key Words	Project Name Check	Treatment Seeds
File Path Default	Photo Key Words Template	Refresh And Update Attributes Table	Treatment Year
File Path Length	Pictures	Related Project	Treatments
GIS Layers	Pictures Template	Related Treatments	Treatments Delete Table
GIS Defaults	Project GIS	Seed Species	Treatments Selected
Herbicide	Project GIS Attributes	Treatment GIS	
Hyperlink Settings	Project GIS Data	Treatment GIS Attributes	
Hyperlinks	Project GIS Metadata	Treatment GIS Data	

Batch Overlap

Table Name:	**BatchOverlap**
Definition:	Stores notes and completion data when the ***Calculate Project Overlap*** tool is run. This does not store the actual data on which projects overlap the current project but, instead, whether the process was completed successfully or encountered an error and with which project it encountered an error.
Table Type:	Data Entry Table: Automatically Calculated
Table Function:	Tool Settings
Form Name:	Calculate_Overlap_Results

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
Date	Date/Time	8	Date Processed	Date and time the overlap was calculated for the specific project
Project_ID	Text	100	Project Name of Treatment ID	Project name for which the overlap was calculated
FeatureClass	Text	50	N/A	Feature class (project name) that the feature overlapped
Notes	Memo	0	Notes from processing	Description of the outcome, success or error report
ID	AutoNumber	4	N/A	Auto ID Number
ts	Binary	8	N/A	Timestamp

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Batch Results

Table Name:	**BatchResults**
Definition:	Stores notes and completion data when the ***Run GIS Clip*** tool is run. This does not store the actual data calculated during the clipping process but, instead, whether the process was completed successfully or encountered an error and what error was encountered.
Table Type:	Data Entry Table: Automatically Calculated
Table Function:	Tool Settings
Form Name:	BatcGISClipResults

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
Date	Date/Time	8	Date Processed	Date and time the GIS clip was calculated for the specific project
Project_ID	Text	100	Project Name of Treatment ID	Project name for which the GIS clip was calculated
FeatureClass	Text	50	N/A	Feature class that was the clipping boundary
Notes	Memo	0	Notes from processing	Description of the outcome, success or error report
ID	AutoNumber	4	N/A	Auto ID Number
ts	Binary	8	N/A	Timestamp

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Contact Defaults

Table Name:	**Contact_Defaults**
Definition:	Stores office contact information, used to populate the office contact information when the information does not change across multiple projects. This information is not stored with each project; instead, it allows the user to click a button to import the same contacts for each project.
Table Type:	Data Entry Table: User entered
Table Function:	Settings
Form Name:	Contact_Defaults

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ID	AutoNumber	4	N/A	Auto ID Number
Contact_Person_Def	Text	50	Contact Person	Name of the primary contact for the project
Contact_Information_Def	Text	50	Contact Information	Best way to contact the office or individual regarding the project
Contact_Office_Def	Long Integer	4	Select Office	Contact office ID (List from Office_Contact_Info table)
Contact_Office_Name_Def	Text	50	Office Name	Contact office name (List from Office_Contact_Info table)
Office_Phone_Def	Text	30	Office Phone	Contact office phone number (List from Office_Contact_Info table)
Office_Email_Def	Text	255	Office Email	Contact office email address (List from Office_Contact_Info table)
Office_WebSite_Def	Text	255	Office Website	Contact office web site (List from Office_Contact_Info table)
Last_Modified_Def	Date/Time	8	Last Modified	When was the project last modified
Modified_By_Def	Text	40	Modified By	User who last modified data in the project
Created_By_Def	Text	40	Created By	User who created the project?

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Cooperators

Table Name:	**Cooperators**
Definition:	Stores information on any cooperators or contractors who assisted with the treatment
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Cooperators

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition	Values
ID	AutoNumber	4	N/A	Auto ID Number	
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table	
Treatment_ID	Text	100	N/A	Name of the Treatment ID, used to link to the Treatment_ID in the Treatments table	
COOP_Agency	Text	255	Coop/Contractor Agency	Pick list, choose Agency (From Agency table)	
COOP_Name	Text	255	Coop/Contractor Name	The name of the cooperator, cannot be a private citizen	
COOP_Acres	Long Integer	4	Acres	Acres the cooperator assisted with	
COOP_Cost	Double	8	Cost/Cont	Cost the cooperator contributed	
COOP_Desc	Memo	0	Description	Description of cooperator's participation	
COOP_Notes	Memo	0	Notes	Notes associated with this cooperator	
ts	Binary	8	N/A	Timestamp (Auto filled)	
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures	
Updating_User	Text	30	N/A	The username of the person who last updated this table	
User_Updated	Date/Time	8	N/A	The date the user last updated this table	
COOP_Type	Byte	1	Cooperator/Contractor	The type of cooperator or contractor who assisted with the treatment	0 = Unknown, 1 = Contractor, 2 = Contributor

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Equipment Used

Table Name:	**Equipment_Used**
Definition:	Stores information on the equipment used to complete the treatment
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Equipment_Used

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ID	AutoNumber	4	N/A	Auto ID Number
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
Treatment_ID	Text	100	N/A	Name of the Treatment ID, used to link to the Treatment_ID in the Treatments table
Equipment	Text	100	Equipment Used	Pick list of the equipment used (From Equip_Table table)
Acres	Double	8	Acres	The number of acres this piece of equipment was used for
Description	Memo	0	Equipment Description	Text description of the equipment used
Notes	Memo	0	Notes	Notes associated with the piece of equipment.
ts	Binary	8	N/A	Timestamp
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table

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File Path Default

Table Name:	**File_Path_Default**
Definition:	Stores information on the location of the LTDL_Files folder and LTDL_Perimeters file geodatabase
Table Type:	Data Entry Table: User entered
Table Function:	Settings
Form Name:	File_Path_Default

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
File_Path_Default	Text	255	Double-click to select the location of the LTDL_files folder if it is different from what is listed below	Indicates the full path to the LTDL_Files folder
LTDL_Perimeters_Loc	Text	255	Double-click to select the folder location of the LTDL_Perimeters geodatabase if it is different from what is listed below	Indicates the full path to the LTDL_Perimeters geodatabase
LTDL_Data_Loc	Text	255	Double-click to select the folder location of the "LTDL_Data" folder if it is different from what is listed below	Indicates the full path to the LTDL_Data folder
Arc_Exe_Loc	Text	255	Double-click to select the location of the ArcMap.exe file (usually in ArcGIS\Desktop10.0\Bin\ArcMap.exe)	Indicates the full path to the local users ArcMap.exe executable file
Python_exe_Loc	Text	255	Double-click to select the location of the Python.exe file (usually in C:\Python26\ArcGIS10.0\Python.exe)	Indicates the full path to the local users Python.exe executable file

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File Path Length

Table Name:	**File_Path_Length**
Definition:	Stores lengths of files and folders, used to help determine if file paths are too long. Useful if you receive data from another location and are unsure if the file paths will fit in your current file structure
Table Type:	Data Entry Table: Automatically Calculated
Table Function:	Tool Settings
Form Name:	Calculate_File_Path_Lengths_Display

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ID	AutoNumber	4	N/A	Auto ID Number
File_Path	Text	255	File Length	The full file path of the file of interest
Length	Long Integer	4	File Path	The integer length of the file path, used to help determine if the path is too long

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GIS Layers

Table Name:	**GIS_Layers**
Definition:	Stores information indicating the geographic information system (GIS) layers that are to be used in the background clip and the specialized data necessary to process them correctly
Table Type:	Data Entry Table: User entered
Table Function:	Settings
Form Name:	GIS_Layers_Form

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ID	Double	8	N/A	Auto ID Number
ts	Text	255	N/A	Timestamp
TableName	Text	255	Table Type	Indicates the table (Data or Single) where the finished data will be stored. The Data table captures all information on each category and the associated acres and percent (for example: Allotments). The Single table will capture a statistic (max, min, avg) and load it to the single table
Type	Text	255	Feature Type	The type of GIS feature (Polygon or Raster)
GISdata	Text	255	GIS Data	All background GIS data should be stored in the same folder. This field contains the location of the data after the common folder to the file name. For example if all background GIS data are stored in C:\Temp\Layers the field may be US_PLSS\US_PLSS.shp
LayerName	Text	255	Layer name in LTDL	The name of the layer as you want it to appear in the Land Treatment Digital Library (LTDL) tables (for example: Public Land Survey System (PLSS) Township and Range)
FeatCl	Text	255	Feature Class Name	The name you want to assign to the temporary feature class that is clipped during the process
GISField	Text	255	GIS Field Name	The name of the field in the attribute table that you want to pull the data from
DBFName	Text	255	DBF Name (8 Characters Max)	The name of the Database File (DBF) you want to be created during the process (keep it under 8 characters)
Stats	Text	255	Calculate Stats	For Single tables statistics need to be calculated, indicate the type of stat you want to calculate (for example: MEAN, MIN, MAX)
AmOrMet	Text	20	Attribute American or Metric	Is the value for Single tables in American or metric measurements (Metric or American)

AOMVal	Text	20	American or Metric Type	The type of measurement of the American or metric units for Single tables (Celsius, Centimeters, Meters, Fahrenheit, Inches, Feet)
Pnt_Line	Text	3	Point or Line	Points and lines do not clip all information, select which GIS layers you want to clip data for if a point or line is loaded (Yes or No)
Delete_Record	Double	8	N/A	Indicates whether the field office wants the LTDL to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	255	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table

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GIS Defaults

Table Name:	**GIS_Defaults**
Definition:	Stores information indicating paths where geographic information system (GIS) data for the GIS clipping process is pulled from
Table Type:	Data Entry Table: User entered
Table Function:	Tool Settings
Form Name:	BatchUpdate

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ID	AutoNumber	4	N/A	Auto ID Number
GISData	Text	200	Please select the path to GIS Data.	The path to the main GIS data folder where all GIS data used in the clipping process is stored
GISOutput	Text	200	Please select directory in which you want to store the geodatabase containing the GIS data clipped to your treatment area.	The folder location where you would like the temporary geodatabases created during the GIS clipping process to be stored

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Herbicide

Table Name:	**Herbicide**
Definition:	Stores information on the specific herbicide and its application details for a treatment
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Herbicide

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
Id	AutoNumber	4	N/A	Auto ID Number
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
Treatment_ID	Text	100	N/A	Name of the Treatment ID, used to link to the Treatment_ID in the Treatments table
Application_Method	Text	255	Application Method	Pick list, choose the application method from the Herbicide_Trt_Types table
Chemical_Form	Text	45	Chemical Form	Pick list, choose the form: Fluid Spread or Dry Spread
Chemical_Product	Text	50	Chemical Product	Pick list, product name of herbicide used from the Chemical_Product table
Active_Ingredient	Text	50	Active Ingredient	Pick list, active ingredient used in herbicide from Active_Ingredient table
Acres	Double	8	Acres	The number of acres treated with herbicide
LB_per_Acre	Double	8	LBs per Acre	The herbicide application rate in pounds per acre
LB_AI_per_Acre	Double	8	AI LBs per Acre	The active ingredient application rate in pounds per acre
Pounds	Double	8	Pounds	The pounds of herbicide applied to the area
Gallons	Double	8	Gallons	The gallons of herbicide applied to the area
Notes	Memo	0	Notes	Note related to the herbicide application
Proportion_AI	Double	8	Prop AI	The decimal proportion that the active ingredient represents in the mix
ts	Binary	8	N/A	Timestamp
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table

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Hyperlink Settings

Table Name:	**Hyperlink_Settings**
Definition:	Stores user specified settings on how the hyperlinks should be displayed
Table Type:	Data Entry Table: User entered
Table Function:	Settings
Form Name:	Hyperlinks

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition	Value
ID	AutoNumber	4	N/A	Auto ID Number	
Sort_Field	Integer	2	Sort by	User setting indicating whether to sort the hyperlink drop down menus by category or alphabetically	1 = A-Z, 2 = Category
Acrobat_Field	Integer	2	Leave Acrobat Open / Close All Acrobat Documents	User setting indicating whether to leave acrobat open or close when the process completes	1 = Leave Acrobat Open, 2 = Close All Acrobat Documents
Order_Hypers	Integer	2	Order entered hyperlinks by:	User setting indicating whether to order the hyperlinks by order of entry or alphabetically	1 = A-Z, 2 = Order of Entry

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Hyperlinks

Table Name:	**Hyperlinks**
Definition:	Stores data on the documents and folders that are uploaded for a specific project, multiple values are pulled from the File Type table
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Hyperlinks

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ID	AutoNumber	4	N/A	Auto ID Number
ts	Binary	8	N/A	Timestamp
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
File_Type_Select	Text	50	N/A	The file type of the document (List from File_Type table)
File_Description	Text	255	File Description	Textual description of the document
File_Year	Long Integer	4	File Year	Year document was created
File_Path	Text	255	File Name	The name of the document that was created including the extension
General_Category	Text	50	General Category	The general category of the document category
File_Type	Text	50	File Type	The mid-level file type representing the grouping of similar documents
File_Name	Text	50	N/A	The name of the document that was created without the extension
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table
Alias	Text	255	Alias	The specific name of a document, used to distinguish between similar file types

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Land Types Affected

Table Name:	**Landtypes_Affected**
Definition:	Stores data on the various land types affected by the treatments
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Landtypes_Affected and Landtypes_Affected_Trt

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
Id	AutoNumber	4	N/A	Auto ID Number
Project_ID	Text	100	N/A	The Project Name or Treatment ID that overlaps the land type
Type	Text	100	Type	The type of land that is influenced by the project or treatment (for example: Allotment) from the Landtypes_Affected_Table
Acres	Double	8	Acres	The acres of land type affected
Land_Name	Text	100	Name	The name of the land type affected (for example: Four Mile Allotment)
Prj_or_Trt	Text	15	N/A	Indicates whether the record belongs with the project or treatment
ts	Binary	8	N/A	Timestamp (Autofilled/Invisible in data entry mode)
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table

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LTDL

Table Name:	**LTDL**
Definition:	Main Land Treatment Digital Library (LTDL) table storing project level information, all other tables can be linked back to this table
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	LTDL

Field Name	**Field Type**	**Field Size**	**Field Heading in LTDL[1]**	**Definition**	**Value**
Project_Name	Text	100	Project Name	Unique name given to a project, all tables eventually link to this table and the Project Name	
Project_Start_Year	Long Integer	4	Project start calendar year	The year the first on the ground treatment was started	
Planning_Documentation	Integer	2	Plans	Check box, indicates if planning documentation is available	0 = No plans, 1 = Planning documentation available
Reporting_Documentation	Integer	2	Reports	Check box, indicates if reporting documentation is available	0 = No reports, 1 = Reporting documentation available
Monitoring_Documentation	Integer	2	Monitoring Data	Check box, indicates if monitoring data are available	0 = No monitoring data, 1 = Monitoring data available
Project_Polygon_GIS	Integer	2	Spatial documentation available	Check box, indicates the type of project feature loaded for the project	0 = No Project GIS, 2 = Polygon GIS, 3 = Point GIS, 4 = Line GIS, 5 = Approximate Point GIS
Project_Paper_Map	Integer	2	Project Paper Map	Check box, indicates if a project paper map exists	0 = No project paper map, 1 = Project paper map available
Treatment_Polygon_GIS	Integer	2	Treatment Shapefiles	Check box, indicates if at least one treatment has a feature other than an approximate point loaded	0 = No treatment shapefiles loaded, 1 = At least one treatment has a shapefile loaded
Treatment_Paper_Map	Integer	2	Treatment Paper Map(s)	Check box, indicates if a treatment paper map exists	0 = No project treatment map, 1 = Project treatment map available
Photos	Integer	2	Photos	Check box, indicates if photos exist for the	0 = No photos, 1 = Photos

				project	exist
Seeded	Integer	2	Seed Treatment	Check box, indicates if a seeding treatment was a part of the project	0 = No seeding treatments, 1 = At least one treatment is a seeding treatment
Seed_List	Integer	2	Seed List Exists	Check box, indicates if a seed list exists for at least one of the seeding treatments	0 = No seed lists, 1 = At least one planned or confirmed seed list exists.
State	Text	50	State	Pick list, choose the state the project occurred in (List from States table)	
Major_Agency	Text	50	Major project agency	Pick list, agency responsible for the project (List from Agency table)	
Reason_For_Project	Text	50	Reason for Project	Pick list, indicates the main reason behind the project (List from Reason_For_Trt table)	
Major_On_Ground_Treatments	Text	255	Major ground treatments	Multiple select list to choose major on the ground treatments (List from the Major_Treatments table	
Major_Ground_Trt_Objectives	Memo		Major treatment objectives	Multiple select list to choose major ground treatment objectives (List from the Grnd_Objectives table)	
Total_Cost	Currency	8	Total Cost	The total cost of the project	
Monitored	Text	50	Was the project monitored?	Pick list that indicates if the project was monitored and the status of planned monitoring (List from Yes/No table)	
Mon_Status	Text	50	Monitoring status	Pick list that indicates the monitoring status (List: Complete, In Progress, Unknown, Not Applicable)	
Mon_As_Of	Text	25	Monitored as of	Date monitoring information entered into the LTDL, if monitoring status is "In Progress"	
Mon_Start	Long Integer	4	Monitoring start calendar year	Calendar year monitoring started (all monitoring studies for the project)	
Mon_Finish	Long Integer	4	Monitoring finish calendar year	Calendar year monitoring ended (all monitoring studies for the project)	
Grazing_Restrict	Text	50	Grazing restricted?	Pick list, indicates if there were grazing restrictions (List from Yes/No table)	
Pot_Years_not_Grazed	Text	50	Years/season restricted?	Pick list for number of years not grazed (List: 0-10, Not Specified)	
Livestock_Present_After_Trt	Text	50	Livestock present during restriction?	Pick list, indicates whether livestock were present after the restriction (List: Yes, No,	

				Unknown)	
Criteria_for_Graze	Memo		Criteria to resume grazing?	The written criteria to allow grazing to begin again	
Fire_Name	Text	50	Wildfire name	Official name given to the fire by the government (Usually named for landmarks in the fire area)	
Fire_Code	Text	5	Wildfire code	Official code given to a fire by the government (4 character alphanumeric code)	
Fire_Year	Long Integer	4	Year	Year the fire occurred	
Fire_Cause	Text	50	Wildfire cause	Pick list of the fire cause (List from Fire_Cause table)	
Project_Soil_Desc	Memo		Soil description	Description of the soils in the project area	
Pre_Project_Veg_Habitat_Cover_Desc	Memo		Pre-project veg/habitat description	Description of the vegetation/habitat before the project/fire/land change	
Project_Concerns	Text	255	Project concerns	Multiple select list, choose the concerns that led to the implementation of the project (List from Trt_Concerns)	
Project_Concerns_Desc	Memo		Reasons for treating (description)	Text description of the concerns that led to the implementation of the project	
Monitoring_Desc	Memo		Monitoring description	A description of the monitoring technique	
Data_Entry_Notes	Memo	0	Data entry notes	Notes for the project, used when data will not fit into any other field	
Plan_Author	Text	50	Plan author	Author of the original project plan	
Project_Manager	Text	50	Project manager	Project manager	
Team_Leader	Text	50	Team leader	Team Leader for the project	
Lead_Monitor	Text	50	Lead monitor(s)	Lead monitors (persons that did the on the ground assessments)	
Contact_Person	Text	50	Contact person	Contact person name	
Contact_Information	Text	50	Contact information	Best way to contact the office	
Contact_Office	Long Integer	4	Contact office	Office ID (List from Office_Contact_Info table)	
Contact_Office_Name	Text	50	Contact office	Office name (List from Office_Contact_Info table)	
Office_Phone	Text	50	Office phone	Office phone number (List from Office_Contact_Info table)	

Office_Email	Text	255	Office email	Office email address (List from Office_Contact_Info table)	
Office_WebSite	Text	255	Office website	Office web site (List from Office_Contact_Info table)	
Photo_Notes	Memo		General Photo Notes for the Project	Notes on photos included in the database	
Last_Modified	Date/Time	8	Last modified	When was the project last modified	
Modified_By	Text	40	Modified by	Who last modified data in the project?	
Created_By	Text	40	Created by	Who created the project?	
ts	Binary	8	N/A	Timestamp	
Project_Finish_Year	Long Integer	4	Project finish calendar year	Year that the project ended	
Use_RAWS_Station	Text	100	Use Weather Station	Remote Automated Weather Station (RAWS) closest to the project	
Use_SNOTEL_Station	Text	100	Use Weather Station	Snow Telemetry (SNOTEL) site closest to the project	
Use_NCDC_Station	Text	100	Use Weather Station	National Climatic Data Center (NCDC) station closest to the project	
Entry_Completion_Status	Integer	2	Data Entry Status	Check box, user indicates the data entry completion status in the LTDL	0 = N/A, 2 = Entry in progress, 3 = Entry complete
Project_Completion_Status	Integer	2	Project Completion Status	Check box, user indicates the project completion status in the LTDL	0 (All unchecked), 1 = Project in progress, 2 = Project complete, 3 = Project unknown, plans only, 4 = Project placeholder (limited data)
Fire_Cont_Date	Text	10	Fire containment date	Date that fire was contained (Autofilled/Invisible in data entry mode)	
Gen_Mon_Notes	Memo	0	General monitoring notes	Notes on overall monitoring	
Project_Title	Text	255	Project title	The full title of the project, used because of the constrained naming restrictions on the Project Name	
Alerts	Memo	0	Data interpretation alerts	Note section for any critical errors that require attention, use if there are critical interpretation errors that may influence how a user interprets the project	

Fire_Complex_Name	Text	50	Wildfire Complex Name	Name of the wildfire complex the fire is a part of	
QAQC_Date	Date/Time	8	N/A	Date on which the Quality Assurance/Quality Control button was checked	
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the LTDL to delete a record upon return of Quality Assurance/Quality Control data	
Updating_User	Text	30	N/A	The username who last updated this table	
User_Updated	Date/Time	8	N/A	The date the user last updated this table	
Project_Complex	Text	100	Project Complex Name	If the project is part of a larger complex the complex name can go here	
Treatment_Approx_Point	Integer	2	Treatment Approximate Points	Check box, indicates if at least one treatment has an approximate point loaded for the spatial information	0 = No approximate points, 1 = At least one treatment has an approximate point

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Multiple Treatment GIS Attributes

Table Name:	**Multiple_Treatment_GIS_Attributes**
Definition:	Stores attribute information when loading multiple treatment shapefiles at the same time
Table Type:	Data Entry Table: User entered
Table Function:	Temporary
Form Name:	Multiple_Treatment_GIS_Attributes_Pop_Up

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition	Value
ID	AutoNumber	4	N/A	Auto ID Number	
ts	Binary	8	N/A	Timestamp	
Project_Name	Text	100	Please enter all available attribute information for:	Name of the project, used to link to the Project Name in the Treatments table	
Treatment_ID	Text	100	Treatment ID	Unique identifier for the treatment	
Sys_Acronym_Code	Text	12	System Acronym Code	Bureau of Land Management (BLM) Code used to identify an alternative database where this GIS came from	
Sys_Crosswalk_Trt_ID	Text	21	System Crosswalk Trt ID	BLM unique identifier used to identify the record in an alternative database where this GIS came from	
Treatment_Status	Text	10	Treatment Status	The status of the treatment (Planned, Confirmed, Unknown)	
Trt_Method_Name	Text	15	Treatment Method Name	Generic description of the treatment type from the Treatment_Domains table (for example: Biological, Chemical, Physical)	
Trt_SubMethod_Name	Text	15	Treatment Sub Method Name	More Specific description of the treatment type from the Treatment_Domains table (for example: Alter, Plant, Remove) linked to specific treatment methods	
Treatment_Start_Date	Text	10	Treatment Start Date	Date the treatment first began	
Treatment_End_Date	Text	10	Treatment End Date	Date the treatment was finished	

GIS_Notes	Memo	0	Treatment Notes	Any notes associated with the treatment (200-character limit, no special characters or double quotes)	
Feature_Level_Metadata	Text	50	N/A	BLM field used to indicate the location of the metadata for the feature	
Type_of_Treatment	Text	255	Type of Treatment	The type of treatment being conducted (Aerial Seeding) from the Treatment_Name table	
Map_Creation_Date	Text	10	Map Creation Date	Date the GIS was created	
How_Shapefile_Created	Text	250	How was the shapefile created?	Indicate how was the shapefile created (Digitized by Land Treatment Digital Library [LTDL] staff) from the How_GIS_Created table	
Shapefile_Status	Long Integer	4	The shapefile status is:	Status of the shapefile, can be different than the Treatment_Status field	1 = Unknown, 2 = Confirmed, 3 = Planned, 4 = Approximate Point
Shapefile_Type	Integer	2	N/A	The type of feature being loaded (Polygon, Line, Point), invisible and auto filled in form	
Start_Day	Integer	2	Day	Day the treatment started	
Start_Month	Integer	2	Month	Month the treatments started	
Start_Year	Integer	2	Year	Year the treatment started	
End_Day	Integer	2	Day	Day the treatment was finished	
End_Month	Integer	2	Month	Month the treatment was finished	
End_Year	Integer	2	Year	Year the treatment was finished	
Day1	Integer	2	Day	Day the map was created	
Month1	Integer	2	Month	Month the map was created	
Year1	Integer	2	Year	Year the map was created	

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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New Project Name Popup

Table Name:	**New_Project_Name_Popup**
Definition:	Stores the new Project Name during the name change process
Table Type:	Data Entry Table: User entered
Table Function:	Temporary
Form Name:	New_Project_Name_Popup

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
Project_Name_New	Text	100	Please type in the new project name	The new project name to which you are changing the current project name
ID	AutoNumber	4	N/A	Auto ID Number

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Photo Key Words

Table Name:	**Photo_Key_Words**
Definition:	Holds information on the key words associated with a photo
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Photo_Key_Words

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
Auto_ID	AutoNumber	4	N/A	Auto ID Number
TS	Binary	8	N/A	Timestamp
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
ID_Photo	Text	100	N/A	The unique Photo ID used to link to the Photo ID in the pictures table
Key_Word	Text	50	Photo Keywords	The key word associated with the project and Photo ID
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Photo Key Words Template

Table Name:	**Photo_Key_words_Template**
Definition:	Stores key words that are associated with multiple photos used when uploading multiple photos with attributes and associated with the pictures_template table
Table Type:	Data Entry Table: User entered
Table Function:	Temporary
Form Name:	Photo_Key_words_Template

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
Auto_ID	AutoNumber	4	N/A	Auto ID Number
TS	Binary	8	N/A	Timestamp
Key_Word	Text	50	Photo Keywords	The key word associated with the series of photos

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Pictures

Table Name:	**Pictures**
Definition:	Holds information related to a photo and its attributes
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	FrmImage

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
Picture	Text	255	Photo file name	The file name of the photo, automatically created
Caption	Memo	0	Caption	Description of the photo
Date_Taken	Text	50	Date photo taken	Indicates the date the photo was taken
Whole_or_Treatment	Text	50	Photo applies to	Pick list. Indicates if the photo represents the project or an individual treatment (List: Whole Project, Individual Treatment, Unknown)
Treatment_Name	Text	100	Type of treatment	Type of treatment in the photo
Treatment_ID_Combo	Text	100	Treatment ID	Choose the treatment ID show in the photo (if applicable)
Photo_Credit	Text	50	Photo credit	Indicates the individual who took the photo?
Coordinate_System	Text	50	Coordinate system	Pick list, indicates the coordinate system for the photo (List: Lat/Long, Universal Transvers Mercator [UTM])
UTM_NAD	Text	50	UTM NAD	Indicates the North American Datum (NAD) used (if UTM coordinate system selected)
UTM_Zone	Text	50	UTM Zone	Indicates the UTM zone (if UTM coordinate system selected)
East_West_Value	Text	50	Easting/Longitude	Indicates the east/west value of the point location (Longitude or Easting)
North_South_Value	Text	50	Northing/Latitude	Indicates north/south value of the point location (Latitude or Northing)
Direction_Taken	Text	10	Direction Taken	Indicates the direction was the photo taken in
Elevation_meters	Double	8	Elevation m	Indicates the elevation (in meters) of the photo (Auto filled if Elevation_Feet field is entered)
ID	AutoNumber	4	N/A	Auto ID Number
ts	Binary	8	N/A	Timestamp
Elevation_feet	Double	8	Elevation ft	Indicates the elevation (in feet) of the photo (Auto filled if Elevation_Meters field is entered)
Photo_Num	Long Integer	4	N/A	Indicates the photo number used to create the photo ID

ID_Photo	Text	100	Photo ID	Indicates the photo ID, project name + photo_num (Auto filled)
Num	Long Integer	4	Total number of photos	Indicates the photo are you on (Auto filled)
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Pictures Template

Table Name:	**Pictures_Template**
Definition:	Stores information on photos being uploaded using the Load Photos with Attributes tool
Table Type:	Data Entry Table: User entered
Table Function:	Temporary
Form Name:	FrmImage_Att_Template

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
Caption	Memo	0	Caption	Description of the photo
Date_Taken	Text	50	Date photo taken	Indicates the date the photo was taken
Whole_or_Treatment	Text	50	Photo applies to	Pick list. Indicates if the photo represents the project or an individual treatment (List: Whole Project, Individual Treatment, Unknown)
Treatment_Name	Text	100	Type of treatment	Type of treatment in the photo (Auto filled, if applicable)
Treatment_ID_Combo	Text	100	Treatment ID	Choose the treatment ID show in the photo (if applicable)
Photo_Credit	Text	50	Photo credit	Indicates the individual who took the photo?
Coordinate_System	Text	50	Coordinate system	Pick list, indicates the coordinate system for the photo (List: Lat/Long, Universal Transvers Mercator [UTM])
UTM_NAD	Text	50	UTM NAD	Indicates the North American Datum (NAD) used (if UTM coordinate system selected)
UTM_Zone	Text	50	UTM Zone	Indicates the UTM zone (if UTM coordinate system selected)
East_West_Value	Text	50	Easting/Longitude	Indicates the east/west value of the point location (Longitude or Easting)
North_South_Value	Text	50	Northing/Latitude	Indicates north/south value of the point location (Latitude or Northing)
Direction_Taken	Text	10	Direction Taken	Indicates the direction was the photo taken in
Elevation_meters	Double	8	Elevation m	Indicates the elevation (in meters) of the photo (Auto filled if Elevation_Feet field is entered)
ID	AutoNumber	4	N/A	Auto ID Number
ts	Binary	8	N/A	Timestamp
Elevation_feet	Double	8	Elevation ft	Indicates the elevation (in feet) of the photo (Auto filled if Elevation_Meters field is entered)
PhotoFolderPath	Text	255	Photo Folder Path	The full path to the folder containing the photos

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Project GIS

Table Name:	**Project_GIS**
Definition:	Holds general information on the Project geographic information system (GIS) feature
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Project_GIS

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition	Value
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table	
Shapefile	Text	255	N/A	The name of the feature in the Project Name geodatabase	
Batch_Update	Integer	2	Run in a batch update	Indicates if the feature should be run through the GIS clip or if it has already has run through the process	0 = Feature has been run, 1 = Feature needs to be run through GIS clip
ts	Binary	8	N/A	Timestamp (Auto filled/Invisible in data entry mode)	
Acres	Double	8	Acres affected	GIS calculated acres for this feature	
Original_Shapefile	Text	255	Original shapefile name	The name of the feature in the Project Name geodatabase in the Land Treatment Digital Library (LTDL)_Files folder	
Project_Shapefile	Integer	2	"No heading"	Indicates the project feature type loaded	0 = None, 2 = Polygon, 3 = Point, 4 = Line, 5 = Approximate Point
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the LTDL to delete a record upon return of Quality Assurance/Quality Control procedures	
Updating_User	Text	30	N/A	The username of the person who last updated this table	
User_Updated	Date/Time	8	N/A	The date the user last updated this table	
Overlap_Last_Run	Date/Time	8	Overlap calculation last run	The date that the Overlap calculator was last run on this project feature	
GIS_Clip_Last_Run	Date/Time	8	GIS clip last run	The date the GIS clip tool was last run on this project feature	

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Project GIS Attributes

Table Name:	**Project_GIS_Attributes**
Definition:	Holds attribute information that is associated with the Project geographic information system (GIS) feature
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Project_GIS_Attributes

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition	Value
ID	AutoNumber	4	N/A	Auto ID Number	
ts	Binary	8	N/A	Timestamp	
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table	
Major_Agency	Text	50	Major agency	Pick list, agency responsible for the project (List from Agency table)	
State	Text	50	State	Pick list, choose the state the project occurred in (List from States table)	
Start_Year	Long Integer	4	Start year	The year the project started	
Finish_Year	Long Integer	4	Finish year	Year that the project ended	
Reason_for_Project	Text	50	Reason for project	Pick list, primary reason for the project (List from Reason_for_Trt table)	
Major_Treatments	Memo	0	Major treatments	List of the major treatments that occurred on the project	
Shapefile_Applies_To	Text	50	Shapefile applies to	List indicating whether the project perimeter is a wildfire perimeter or just a simple project perimeter	
How_Shapefile_Created	Text	250	How was the shapefile created?	Indicate how was the shapefile created (Digitized by Land Treatment Digital Library (LTDL) staff) from the How_GIS_Created table	
Map_Creation_Date	Text	10	Map creation date	The date the feature was created	
Shapefile_Status	Long Integer	4	The shapefile status is:	Status of the shapefile, can be different than the Treatment_Status field	1 = Unknown, 2 = Confirmed, 3 = Planned, 4 = Approximate Point

GIS_Notes	Memo	0	GIS notes	Any notes associated with the project GIS (200 character limit no special characters or double quotes)	
Total_Acres	Double	8	Acres	The total acres that the project boundary encompasses	
Fire_Name	Text	50	Fire name	Official name given to the fire by the government (Usually named for landmarks in the fire area)	
Fire_Code	Text	5	Fire code	Official code given to a fire by the government (4 character alphanumeric code)	
Fire_Number	Long Integer	4	Fire number	Official local number associated with the fire	
Fire_Year	Long Integer	4	Fire year	Year the fire occurred	
Fire_Cont_Date	Text	10	Fire containment date	The fire containment date	
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures	
Updating_User	Text	30	N/A	The username of the person who last updated this table	
User_Updated	Date/Time	8	N/A	The date the user last updated this table	
Project_Complex	Text	100	Project Complex	Indicates the project complex name (if applicable)	
Office_Name	Text	50	Office	Indicates the contact office name (if applicable)	

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Project GIS Data

Table Name:	**Project_GIS_Data**
Definition:	Holds specific, detailed Project geographic information system (GIS) information obtained during the GIS clipping process
Table Type:	Data Entry Table: Automatically Calculated
Table Function:	Data Storage
Form Name:	Project_GIS_Data

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ts	Binary	8	N/A	Timestamp
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
ID	AutoNumber	4	N/A	Auto ID Number
Layer_Name	Text	100	Layer name	Indicates the GIS attribute field name being displayed
Category	Text	255	Category	Indicates the clipped attribute name
Percentage	Double	8	Percentage	Indicates the percentage of the layer name within this category
GIS_File_Name	Text	100	N/A	Indicates the name of the GIS file clipped
Acres	Double	8	Acres	Indicates the acres of the layer name that were affected
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Project GIS Metadata

Table Name:	**Project_GIS_Metadata**
Definition:	Links the metadata from the geographic information system (GIS) clipping layers so users can view the metadata on GIS layers
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Project_GIS_Metadata

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ID	AutoNumber	4	N/A	Auto ID Number
ts	Binary	8	N/A	Timestamp
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
GIS_File_Name	Text	100	GIS file name	Name of the GIS layer used during the clipping process
Metadata_File_Path	Text	255	Metadata file path	Full path to the metadata information
Metadata_Year	Text	30	GIS file year	Year the metadata was created
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Project GIS Single

Table Name:	**Project_GIS_Single**
Definition:	Holds average, maximum, or minimum values from geographic information system (GIS) layers (for example: Max Temp, Avg Precip) clipped to the Project GIS border
Table Type:	Data Entry Table: Automatically Calculated
Table Function:	Data Storage
Form Name:	Project_GIS_Single

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ID	AutoNumber	4	N/A	Auto ID Number
ts	Binary	8	N/A	Timestamp
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
Layer_Name	Text	100	Layer name	Indicates the GIS attribute field name being displayed (Auto filled)
Metric_Value	Double	8	Metric value	The metric value for the measurement (Auto filled)
American_Value	Double	8	American value	The American value for the measurement (Auto filled)
GIS_File_Name	Text	100	GIS file name	Indicates the name of the GIS file clipped (Auto filled)
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Project Identifiers

Table Name:	**Project_Identifiers**
Definition:	Holds the project identifier field and type so that all project codes can be stored in a single location
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Project_Identifiers

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ID	AutoNumber	4	N/A	Auto ID Number
ts	Binary	8	N/A	Timestamp
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
ID_Type	Text	50	Project Identifier Type	The type of identifier being assigned to the code (for example: Project ID, NEPA Number) from the Project_ID_Type table
ID_Value	Text	50	Identifier Value	The value of the ID that goes with the ID_Type
Updating_User	Text	30	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
User_Updated	Date/Time	8	N/A	The username of the person who last updated this table
Delete_Record	Integer	2	N/A	The date the user last updated this table

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Project IDs Check

Table Name:	**Project_IDs_Check**
Definition:	Temporary table created when running a similar project check, stores overlapping and related projects in relation to the current project
Table Type:	Data Entry Table: Automatically Calculated/User Entered
Table Function:	Temporary
Form Name:	Project_IDs_Check

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition	Value
ID	AutoNumber	4	N/A	Auto ID Number	
Project_Name	Text	100	Project Name	Name of the project, used to link to the Project Name in the Treatments table	
Start_Year	Text	255	Start Year	The year the project started	
State	Text	25	State	The state where the project was initiated	
Office	Text	50	Office	The office where the project was initiated	
ID_Type	Text	100	Project ID Type	The type of identifier being assigned to the code (for example: Project ID, NEPA Number) from the Project_ID_Type table	
ID_Value	Text	100	Project ID Value	The value of the ID that goes with the ID_Type	
GIS_Overlap	Text	25	GIS Overlap	Indicates if the listed project overlaps the current project	
Relate	Integer	2	Relate	Indicates if the user has chosen to relate this specific project to the current project	0 = Not related, -1 = Related
View_Shapefile	Integer	2	View Shapes	Indicates if the user wants to view this project's features in CreateShapefile.mxd	0 = Do not view in GIS, 1 = View in GIS

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Project Log

Table Name:	**Project_Log**
Definition:	Storage table allowing a user to indicate if any major changes were made to the project after it was initially created
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Project_Log_Form

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ID	AutoNumber	4	N/A	Auto ID Number
ts	Binary	8	N/A	Timestamp
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	User	The username of the person who last updated this table
User_Updated	Date/Time	8	Entered	The date the user last updated this table
Notes	Memo	0	Notes	Description of the major changes made to the project

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Project Name Check

Table Name:	**Project_Name_Check**
Definition:	Temporary table created when a new project is made, stores names of projects that have similar words to the current one
Table Type:	Data Entry Table: Automatically Calculated
Table Function:	Temporary
Form Name:	Project_Name_Check

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition	Value
ID	AutoNumber	4	N/A	Auto ID Number	
Project_Name	Text	100	Project Name	Name of the project, used to link to the Project Name in the Treatments table	
Project_Start_Year	Long Integer	4	Start Year	The year the project started	
Contact_Office	Text	50	Contact Office	The state where the project was initiated	
State	Text	30	State	The office where the project was initiated	
View_In_GIS	Integer	2	View in GIS	Indicates if the user wants to view the data in geographic information system (GIS)	0 = Do not view in GIS, 1 = View in GIS

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Refresh and Update Attributes Table

Table Name:	**Refresh_And_Update_Attributes_Table**
Definition:	Temporary table created when a user wants to refresh and update multiple GIS records at once, allows the user to choose which geographic information system (GIS) to update
Table Type:	Data Entry Table: Automatically Calculated/User Entered
Table Function:	Temporary
Form Name:	Refresh_And_Update_Attributes_Table

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition	Value
ID	AutoNumber	4	N/A	Auto ID Number	
Project_Name	Text	100	Project Name	Name of the project, used to link to the Project Name in the Treatments table	
Treatment_ID	Text	100	Treatment ID	Name of the Treatment ID that can be updated	
Level	Text	10	Level	The level of the feature (Project or Treatment)	
Shapefile	Text	255	Shapefile	The type of shapefile (Polygon, Point, or Line)	
Treatment_Type	Text	255	Type of treatment	The treatment type	
Include	Integer	2	Include	User selected checkbox to include the feature in the update	0 = Do not include, -1 = Include in GIS update
Start_Date	Text	15	Start Date	The start date of the treatment (if applicable)	
FeatureType	Text	20	Feature Type	The type of feature (Point, Line, Polygon)	
ShapeStatus	Text	50	Shapefile Status	The status of the feature (Implemented, Planned)	
HowGISCreated	Text	50	How GIS Created	How was the GIS feature created?	

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Related Project

Table Name:	**Related_Project**
Definition:	Stores data on the related and overlapping projects that overlap the current project
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Related_Project

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition	Value
ID	AutoNumber	4	N/A	Auto ID Number	
ts	Binary	8	N/A	Timestamp	
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table	
Start_Year	Long Integer	4	Start Year	Year the related or overlapping project was started	
Related	Integer	2	Related Project	Indicates whether the related project is related to the current project	0 = Project is not related, -1 Project is related to the current one
Overlap	Integer	2	Overlapping Project	Indicates whether the related project overlaps the current project	0 = Project does not overlap, -1 Project overlaps to the current one
Notes	Memo	0	Notes	Any notes describing the relationship or overlap between the projects	
Related_Project	Text	100	Related and/or Overlapping Project	The name of the related project	
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record	
Updating_User	Text	30	N/A	The username of the person who last updated this table	
User_Updated	Date/Time	8	N/A	The date the user last updated this table	

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Related Treatments

Table Name:	**Related_Treatments**
Definition:	Stores data on the related treatments within the same project. All treatments are obviously related, use only when the link between two treatments is critical (for example: three seedings and two chainings on two of the seedings, link the right chaining with its seeding
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Related_Treatments

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ID	AutoNumber	4	N/A	Auto ID Number
ts	Binary	8	N/A	Timestamp
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
Treatment_ID	Text	100	N/A	The current Treatment ID
Related_Treatment_ID	Text	100	Related Treatment IDs	The Treatment ID that is related to the current treatment
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Seed Species

Table Name:	**Seed_Species**
Definition:	Holds individual seed species from the seed mix of a given treatment
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Seed_Species

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
Treatment_ID	Text	100	N/A	Indicates which Treatment ID this seed species refers to
Seed_List	Text	50	Seed list	Indicates the seed list used: "Common" (about 100 species) or "USDA" (U.S. Department of Agriculture, about 35,000species), used to shorten the list unless the longer list is needed
Symbol	Text	30	N/A	Species symbol (PLANTS database / Seed List)
Symbol_and_Synonym	Text	30	Symbol (and Synonym)	Species Symbol and Synonym (PLANTS database / Seed List)
Genus	Text	50	N/A	Species Genus (PLANTS database / Seed List)
Species	Text	255	Species	Species full scientific name (PLANTS database / Seed List)
Common	Text	255	Common Name	Species Common Name (PLANTS database / Seed List)
Bulk_Lbs_Seed_Species	Double	8	Bulk Lbs	Indicates the total bulk weight of the seed species
PLS_Lbs_Seed_Species	Double	8	PLS Lbs	Indicates the total Pure Live Seed (PLS) weight of the seed species
Bulk_LBS_per_Acre	Double	8	Bulk/acre	Indicates the bulk pounds per acre of the seed species
PLS_LBS_per_Acre	Double	8	PLS/Acre	Indicates the PLS pounds per acre of the seed species
Bulk_Seeds_Per_Pound	Double	8	Bulk seeds/lb	Indicates the bulk seeds per pound of the seed species
PLS_Seeds_per_Pound	Double	8	PLS seeds/lb	Indicates the PLS seeds per pound of the seed species
Bulk_Seeds_Per_Foot	Double	8	Bulk seeds/ft	Indicates the bulk seeds per foot of the seed species
PLS_Seeds_per_Foot	Double	8	PLS seeds/ft	Indicates the PLS seeds per foot of the seed species
Number_Seedlings	Double	8	Total number of seedlings	Indicates the number of seedlings planted for the species
Seedlings_per_Acre	Double	8	Seedlings per acre	Indicates the number of seedlings planted per acre for the species
Seedlings_per_Foot	Double	8	Seedlings per foot	Indicates the number of seedlings planted per foot for the species

Cost_per_Pound	Currency	8	Cost per pound	Indicates the cost per pound of the seed species
Total_Cost_Bulk_Seed_Only	Currency	8	Total cost: bulk seed	Indicates the total cost of seed species without shipping costs
Total_Cost_Seed_and_Shipment	Currency	8	Total cost: seed and shipping	Indicates the total cost of seed species with shipping costs
PLS_Rate	Double	8	PLS Rate	Indicates the PLS rate, calculated by dividing the PLS by the bulk application rates
Main	Long Integer	4	N/A	Pick list, users select a species based on Symbol and Synonym, Species, or common name (List from All_Seeds table)
ID	AutoNumber	4	N/A	Auto ID Number
Seed_Variety	Text	255	Variety	Indicates the variety if it is not present in the drop down lists
ts	Binary	8	N/A	Timestamp
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Treatment GIS

Table Name:	**Treatment_GIS**
Definition:	Holds general information on the Treatment GIS feature
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Treatment_GIS

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition	Value
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table	
Treatment_ID	Text	100	N/A	Name of the Treatment_ID, used to link to the Treatment_ID in the Treatments table	
Shapefile	Text	255	N/A	The name of the feature in the Project Name geodatabase in the LTDL_Files folder	
Batch_Update	Integer	2	Run in a batch update	Indicates if the feature should be run through the GIS clip or if it has already has run through the process	0 = Feature has been run, 1 = Feature needs to be run through GIS clip
ts	Binary	8	N/A	Timestamp	
Acres	Double	8	Acres affected	GIS calculated acres for this feature	
Original_Shapefile	Text	255	Original shapefile name	The name of the feature in the Project Name geodatabase in the LTDL_Files folder	
Treatment_Shapefile	Integer	2	"No field name"	Indicates the project feature type loaded	0 = None, 2 = Polygon, 3 = Point, 4 = Line, 5 = Approximate Point
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures	
Updating_User	Text	30	N/A	The username who last updated this table	
User_Updated	Date/Time	8	N/A	The date the user last updated this	
GIS_Clip_Last_Run	Date/Time	8	GIS clip last run	The date the geographic information system (GIS) clip tool was last run on this project feature	

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Treatment GIS Attributes

Table Name:	**Treatment_GIS_Attributes**
Definition:	Holds attribute information that is associated with the Treatment GIS feature
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Treatment_GIS_Attributes

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition	Value
ID	AutoNumber	4	N/A	Auto ID Number	
ts	Binary	8	N/A	Timestamp	
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table	
Treatment_ID	Text	100	N/A	Name of the Treatment_ID, used to link to the Treatment_ID in the Treatments table	
Sys_Acronym_Code	Text	12	N/A	Bureau of Land Management (BLM) Code used to identify an alternative database from which this geographic information system (GIS) came	
Sys_Crosswalk_Trt_ID	Text	21	N/A	BLM unique identifier used to identify the record in an alternative database from which this GIS came	
Treatment_Status	Text	10	Treatment Status	The status of the treatment (Planned, Confirmed, Unknown)	
Trt_Method_Name	Text	15	Treatment Method Name	Generic description of the treatment type from the Treatment_Domains table (for example: Biological, Chemical, Physical)	
Trt_SubMethod_Name	Text	15	Treatment Sub Method Name	More Specific description of the treatment type from the Treatment_Domains table (for example: Alter, Plant, Remove) linked to specific treatment domains	
Treatment_Start_Date	Text	10	Treatment Start Date	Date the treatment first began	

Treatment_End_Date	Text	10	Treatment End Date	Date the treatment was finished	
GIS_Notes	Memo	0	Treatment Notes	Any notes associated with the treatment (200 character limit, no special characters or double quotes)	
Total_Acres	Double	8	Total Acres	The total acreage that the project boundary encompasses	
Feature_Level_Metadata	Text	50	N/A	BLM field used to indicate the location of the metadata for the feature	
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures	
Updating_User	Text	30	N/A	The username of the person who last updated this table (automatically generated)	
User_Updated	Date/Time	8	N/A	The date the user last updated this table (automatically generated)	
Type_of_Treatment	Text	255	Type of Treatment	The type of treatment being conducted (Aerial Seeding) from the Treatment_Name table	
Map_Creation_Date	Text	10	Map creation date	Date the GIS was created	
How_Shapefile_Created	Text	250	How was the shapefile created?	Indicate how was the shapefile created (Digitized by LTDL staff) from the How_GIS_Created table	
Shapefile_Status	Long Integer	4	The shapefile status is	Status of the shapefile, can be different than the Treatment_Status field	1 = Unknown, 2 = Confirmed, 3 = Planned, 4 = Approximate Point
Project_Complex	Text	100	Project Complex	Indicates the project complex name	
Office_Name	Text	50	Office	Indicates the name of the field office	

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Treatment GIS Data

Table Name:	**Treatment_GIS_Data**
Definition:	Holds specific, detailed treatment geographic information system (GIS) information obtained during the GIS clipping process
Table Type:	Data Entry Table: Automatically Calculated
Table Function:	Data Storage
Form Name:	Treatment_GIS_Data

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ts	Binary	8	N/A	Timestamp
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
ID	AutoNumber	4	N/A	Auto ID Number
Layer_Name	Text	100	Layer name	Indicates the GIS attribute field name being displayed (Auto filled)
Category	Text	255	Category	Indicates the clipped attribute name (Auto filled)
Percentage	Double	8	Percentage	Indicates the percentage of the layer name within this category (Auto filled)
GIS_File_Name	Text	100	GIS file name	Indicates the name of the GIS file clipped (Auto filled)
Treatment_ID	Text	100	N/A	Name of the Treatment_ID, used to link to the Treatment_ID in the Treatments table
Acres	Double	8	Acres	Indicates the acres of the layer name that were affected
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Treatment GIS Metadata

Table Name:	**Treatment_GIS_Metadata**
Definition:	Links the metadata from the geographic information system (GIS) clipping layers so users can view the metadata on GIS layers
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Treatment_GIS_Metadata

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ID	AutoNumber	4	N/A	Auto ID Number
ts	Binary	8	N/A	Timestamp
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
GIS_File_Name	Text	100	GIS file name	Name of the GIS layer used during the clipping process
Metadata_File_Path	Text	255	Metadata file path	Full path to the metadata information
Metadata_Year	Text	30	GIS file year	Year the metadata was created
Treatment_ID	Text	100	N/A	Name of the Treatment_ID, used to link to the Treatment_ID in the Treatments table
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Treatment GIS Multiple Treatments

Table Name:	**Treatment_GIS_Multiple_Treatments**
Definition:	Displays information on treatments and allowing users to select which treatments to include in a multiple treatment geographic information system (GIS) upload. All data are automatically loaded except users have the ability to select the treatments they want to include.
Table Type:	Data Entry Table: Automatically Calculated/User Entered
Table Function:	Temporary
Form Name:	Treatment_GIS_Multiple_Treatments

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition	Value
Project_Name	Text	100	Project Name	Name of the project	
Treatment_ID	Text	100	Treatment ID	Name of the Treatment_ID	
Trt_Num	Integer	4	Trt Num	The number of the treatment	
Treatment_Name	Text	255	Type of Treatment	The treatment type selected	
Overall_Success	Text	50	Success	The overall success of the treatment	
Treatment_Seeded	Integer	2	Seed	Indicates whether the treatment was seeded	0 = Not seeded, -1 = Seeded
Plan_or_Imp	Text	50	Planned or Implemented	Indicates the implementation status	
Units	Text	50	Units	The units the treatment was measured in	
Number_of_Units	Decimal	16	# Units	The number of units completed for the treatment	
Include_and_Load	Integer	2	Load to trts	User selected field, indicates that the treatment should be included in the multiple treatments upload	0 = Do not include, -1 Include in upload
Treatment_Shapefile	Integer	2	Spatial File	The type of shapefile currently uploaded in the treatment	1 = None, 2 = Point Location, 3 = Polygon, 4 = Line, 5 = Approximate Point
PLP	Integer	2	I want to load a	The type of shapefile being uploaded (Point, Line, Polygon)	0 = None, 1 = Point, 3 = Line, 4 = Polygon, 5 = Approximate Point
Start_Date	Text	10	Start Date	The start date of the treatment	
End_Date	Text	10	End Date	The end date of the treatment	

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Treatment GIS Single

Table Name:	**Treatment_GIS_Single**
Definition:	Holds average, maximum, or minimum values from geographic information system (GIS) layers (for example: Max Temp, Avg Precip) clipped to the Treatment GIS border
Table Type:	Data Entry Table: Automatically Calculated
Table Function:	Data Storage
Form Name:	Treatment_GIS_Single

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ID	AutoNumber	4	N/A	Auto ID Number
ts	Binary	8	N/A	Timestamp
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
Layer_Name	Text	100	Layer name	Indicates the GIS attribute field name being displayed (Auto filled)
Metric_Value	Double	8	Metric value	The metric value for the measurement (Auto filled)
American_Value	Double	8	American value	The American value for the measurement (Auto filled)
GIS_File_Name	Text	100	GIS file name	Indicates the name of the GIS file clipped (Auto filled)
Treatment_ID	Text	100	N/A	Name of the Treatment_ID, used to link to the Treatment_ID in the Treatments table
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Treatment Hyperlinks

Table Name:	**Treatment_Hyperlinks**
Definition:	Holds links to documentation that was used to fill out various aspects of the treatments
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Treatment_Hyperlinks,Treatment_Hyperlinks_Seeds, Treatment_Hyperlinks_TrtYr_Confirmed and Treatment_Hyperlinks_TrtYr_Planned

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ID	AutoNumber	4	N/A	Auto ID Number
ts	Binary	8	N/A	Timestamp
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
Treatment_ID	Text	100	N/A	Name of the Treatment_ID, used to link to the Treatment_ID in the Treatments table
Treatment_Table	Text	30	"Multiple Names"	The table that this document is linked with (for example: Treatments, Treatment_Seeds, etc)
ID_Field	Long Integer	4	N/A	The ID that this link is associated with within the table
Document_Used	Text	255	N/A	The link to the document used in the hyperlinks
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Treatment Seeds

Table Name:	**Treatment_Seeds**
Definition:	Holds general information and total seeding rates related to individual seed lists
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Treatment_Seeds

Field Name	**Field Type**	**Field Size**	**Field Heading in LTDL[1]**	**Definition**
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table
Treatment_ID	Text	100	N/A	Name of the Treatment_ID, used to link to the Treatment_ID in the Treatments table
Seeds_or_Seedlings	Text	50	Were seeds or seedlings used	Pick list, indicates if "Seeds" or "Seedlings" were planted
Mix_Name	Text	255	Mix name	Description/Name of the seed mix planted
Mix_Acres	Double	8	Mix acres	Indicates the number of acres that were seeded (Auto filled)
Contol_Areas	Text	50	Control areas present	Pick list, indicates if the seed list used is a planned or confirmed list (List from Planned_or_Confirmed)
Seeded_Sp_Plan_Confirmed	Text	50	Are the species below planned or confirmed?	Pick list, indicates if the application rates are "Species Specific" or "Overall" (Other values: Unknown, Not Available)
Bulk_or_PLS	Text	50	Application rate	Pick list, indicates the seed weights that are available (List: Bulk, Pure Live Seed, Both, Unknown)
Application_Rate	Text	50	Bulk or PLS application rate	Pick list, indicates if and where control areas present (List: Within Treatment, Outside of Treatment, and others)
Notes	Memo	0	Seed mix notes	Notes for the seed mix
Sum_Bulk	Double	8	"None"	Indicates the total bulk weight of all species (Auto filled)
Sum_PLS	Double	8	"None"	Indicates the total PLS weight of the all species (Auto filled)
Sum_Bulk_per_Acre	Double	8	"None"	Indicates the total bulk pounds per acre of all species (Auto filled)
Sum_PLS_Acre	Double	8	"None"	Indicates the total PLS pounds per acre of all species (Auto filled)
Sum_Bulk_per_Foot	Double	8	"None"	Indicates the total bulk seeds per foot of all species (Auto filled)
Sum_PLS_per_Foot	Double	8	"None"	Indicates the total PLS seeds per foot of all species (Auto filled)
Sum_Cost_Per_Pound	Currency	8	"None"	Indicates the cost per pound of the all species (Auto filled)

Sum_Total_Cost_Seed_Only	Currency	8	"None"	Indicates the total cost of all species without shipping costs (Auto filled)
Sum_Total_Cost_Seed_and_Ship	Currency	8	"None"	Indicates the total cost of all species with shipping costs (Auto filled)
Sum_Total_Seedlings	Double	8	"None"	Indicates the total number of seedlings planted for all species (Auto filled)
Sum_Seedlings_Per_Acre	Double	8	"None"	Indicates the total number of seedlings planted per acre for all species (Auto filled)
Sum_Seedlings_Per_Foot	Double	8	"None"	Indicates the total number of seedlings planted per foot for all species (Auto filled)
ts	Binary	8	N/A	Timestamp
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures
Updating_User	Text	30	N/A	The username of the person who last updated this table
User_Updated	Date/Time	8	N/A	The date the user last updated this table
ID	AutoNumber	4	N/A	Auto ID Number

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Treatment Year

Table Name:	**Treatment_Year**
Definition:	Holds specific details of the treatment that occurred during a given year
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Treatment_Year_Confirmed and Treatment_Year_Planned

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition	Value
ID	AutoNumber	4	N/A	Auto ID Number	
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table	
Treatment_ID	Text	100	N/A	Name of the Treatment_ID, used to link to the Treatment_ID in the Treatments table	
Plan_or_Imp	Text	50	Trt status	Pick list, indicates the implementation status for the treatment ID (List form Plan_or_Imp Table)	
Units	Text	50	Units	Pick list, indicates the units used for the treatment ID (List from Units table)	
Cost_per_Unit	Currency	8	N/A	Indicates the cost per unit for the treatment ID	
Total_Cost	Currency	8	N/A	Indicates the total cost of a treatment	
Success	Text	50	Success this year	Pick list, indicates the success of the treatment in the year of the report (List from Success table)	
Objectives	Memo	0	Trt Objectives	Description of objectives the treatment was trying to accomplish	
Implementation_ Monitoring	Memo	0	Planned Implementation	Description of the planned implementation of the treatment	
Effectiveness_ Monitoring	Memo	0	Trt Effectiveness	Description of if the treatment met its objectives	
Monitoring_Results	Memo	0	Actual Implementation	Description of how the treatment was completed	
Number_of_Units	Decimal	16	Number of units	Description of the monitoring results for the treatment	
ts	Binary	8	N/A	Timestamp	
Init_Day	Long Integer	4	Day	Pick list, indicates the day this treatment was/will be initiated	

				(From the Day table)	
Init_Month	Long Integer	4	Month	Pick list, indicates the month this treatment was/will be initiated (From the Month table)	
Init_Year	Long Integer	4	Year	Pick list, indicates the year this treatment was/will be initiated (From the Year_Only table)	
Init_Date	Text	10	Initiation Date	Indicates the date this treatment was/will be initiated (Auto filled)	
Comp_Day	Long Integer	4	Day	Pick list, indicates the day this treatment was/will be completed (From the Day table)	
Comp_Month	Long Integer	4	Month	Pick list, indicates the month this treatment was/will be completed (From the Month table)	
Comp_Year	Long Integer	4	Year	Pick list, indicates the year this treatment was/will be completed (From the Year_Only table)	
Comp_Date	Text	10	Completion Date	Indicates the date this treatment was/will be completed (Auto filled)	
Confirmed_Date	Integer	2	Dates are	Indicates the confidence with the date range	0 = Unknown/Not checked, 1 = Estimated, 2 = Confirmed
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures	
Updating_User	Text	30	N/A	The username of the person who last updated this table	
User_Updated	Date/Time	8	N/A	The date the user last updated this table	

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Treatments

Table Name:	**Treatments**
Definition:	Holds general information about a treatment (Treatment geographic information system [GIS] and Seed mixes stored in separate tables)
Table Type:	Data Entry Table: User entered
Table Function:	Data Storage
Form Name:	Treatments

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition	Value
Project_Name	Text	100	N/A	Name of the project, used to link to the Project Name in the Treatments table	
Treatment_ID	Text	100	Treatment ID	Name of the Treatment_ID, used to link to the Treatment_ID in the Treatments table	
Trt_Num	Long Integer	4	N/A	Indicates a count of treatments, used to create the Treatment_ID, does not reset if a treatment is deleted. Treatment IDs will continue on using the highest number	
Funding	Text	50	Funding	Pick list, indicates the source of the funding for the project (List from Funding table)	
Code	Text	50	Treatment code	Pick list, indicates the treatment code related to the treatment (List from Treatment_Code table)	
Treatment_Name	Text	255	Treatment Type	Pick list, indicates the type of treatment (List from Treatment_Names)	
Treatment_Seeded	Integer	2	Seeding Treatment	Indicates if the treatment was a seeding treatment	0 = treatment was not seeded, -1 = the treatment is a seeding treatment
Overall_Success	Text	50	Overall success	Pick list, indicates the final success status for the treatment (List from Success table)	
Trt_Concerns	Memo	0	Treatment concerns	Multiple Select List, indicates reasons why the treatment was necessary (List from Trt_Concerns table)	
Trt_Concerns_Desc	Memo	0	Reason for treating description	Description of reasons the treatment was necessary	
Problems_Apply_Trt	Memo	0	Problems applying treatment	Multiple Select List, indicates any problems encountered during the implementation of the treatment (List from Trt_Application_Issues	

				table)	
Problems_Apply_Trt_Desc	Memo	0	Treatment problems description	Description of the problems encountered during the implementation of the treatment	
Conditions_At_Trt	Memo	0	Treatment on ground conditions	Multiple Select List, indicates the ground conditions at the time of the treatment (List from Trt_Conditions_At_Trt)	
Conditions_At_Trt_Desc	Memo	0	Treatment conditions description	Description of the ground conditions at the time of the treatment	
Trt_Notes	Memo	0	Treatment Notes	Notes for this treatment	
ts	Binary	8	N/A	Timestamp	
Overall_Plan_Imp	Text	50	Final planned/implementation status	Indicates the overall planned/implementation status (List from Plan_or_Imp table)	
Graze_Restrict	Text	45	Grazing restricted?	Was grazing restricted over the treatment?	
Years_Restrict	Long Integer	4	Years/seasons restricted?	The number of years grazing was restricted	
Livestock_Present	Text	10	Livestock present during restriction?	Were livestock present after the treatment?	
Criteria_to_Resume	Memo	0	Criteria to resume grazing	Description of the criteria to resume grazing	
Final_Init_Date	Text	10	Final Initiation Date	Indicates the date this treatment was initiated (Auto filled)	
Final_Comp_Date	Text	10	Final Completion Date	Indicates the date this treatment was completed (Auto filled)	
Dates_Confirmed	Integer	2	Dates are	Indicates the confidence with the date range	0 = Unknown/Not checked, 1 = Estimated, 2 = Confirmed
Num	Long Integer	4	Treatment	Indicates the order the treatments are displayed, numbered sequentially	
Seed_List	Integer	2	Seed list available?	Indicates the status of the list	0 = N/A, 1 = No seed list, 2 = Planned seed list, 3 = Unknown seed list, 4 = Confirmed seed list
Spatial_File	Integer	2	Spatial level	Indicates the level of spatial data available	0 = None, 3 = Polygon, 4 = Line, 5 = Point Location, 6 = Approx Point

QAQC_Date	Date/Time	8	N/A	Indicates the date when the treatment was Quality Assurance/Quality Control procedures	
InitiatedBy	Text	50	Treatment completed by	Indicates who initiated the treatment: In House, Volunteers, Contractor, and others	
Delete_Record	Byte	1	N/A	Indicates whether the field office wants the Land Treatment Digital Library (LTDL) to delete a record upon return of Quality Assurance/Quality Control procedures	
Updating_User	Text	30	N/A	The username of the person who last updated this table	
User_Updated	Date/Time	8	N/A	The date the user last updated this table	
Final_Units	Text	50	Final Units	Pick list, indicates the final units the treatment was completed with	
Final_Num_Units	Double	8	Final # of units	Indicates the final number of units completed by the treatment	
ID	AutoNumber	4	N/A	Auto ID Number	

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Treatments Delete Table

Table Name:	**Treatments_Delete_Table**
Definition:	Displays information on treatments and allowing users to select which treatments to delete during the process. All data are automatically loaded except users have the ability to select the treatments they want to delete. Pulls data from the Treatments and Treatment_Year tables. All fields auto filled except the Delete_Record which the user chooses.
Table Type:	Data Entry Table: Automatically Calculated/User Entered
Table Function:	Temporary
Form Name:	Treatments_Delete_Form

Field Name	**Field Type**	**Field Size**	**Field Heading in LTDL[1]**	**Definition**	**Value**
Project_Name	Text	100	Project Name	Name of the project, used to link to the Project Name in the Treatments table	
Treatment_ID	Text	100	Treatment ID	Name of the Treatment_ID, used to link to the Treatment_ID in the Treatments table	
Num	Long Integer	4	Trt Num	Indicates the order the treatments are displayed, numbered sequentially	
Treatment_Name	Text	255	Type of Treatment	Pick list, indicates the type of treatment (List from Treatment_Names)	
Overall_Plan_Imp	Text	50	Final Implement Status	Indicates the overall planned/implementation status (List from Plan_or_Imp table)	
Final_Units	Text	50	Final Units	Pick list, indicates the final units the treatment was completed with	
Final_Num_Units	Double	8	Final # Units	Indicates the final number of units completed by the treatment	
Treatment_Seeded	Integer	2	Seed	Indicates if the treatment was a seeding treatment	0 = treatment was not seeded, -1 = the treatment is a seeding treatment
Spatial_File	Integer	2	Spatial File	Indicates the level of spatial data available	
Plan_or_Imp	Text	50	Yearly Implement Status	Pick list, indicates the implementation status for the treatment ID (List form Plan_or_Imp Table)	
Units	Text	50	Units	Pick list, indicates the units used for the treatment ID (List from Units table)	
Number_of_Units	Decimal	16	# Units	Description of the monitoring results for the treatment	

Init_Date	Text	10	Yearly Initiation Date	Indicates the date this treatment was/will be initiated	
ID	AutoNumber	4	N/A	Auto ID Number	
Delete_Record	Integer	2	Mark for Deletion	User-specified field, indicates whether this treatment should be included in the multiple delete	0 = Do not delete, -1 = Delete this treatment

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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Treatments Selected

Table Name:	**Treatments_Selected**
Definition:	Stores treatments selected by the user that are used for further processing
Table Type:	Data Entry Table: Automatically Calculated
Table Function:	Temporary
Form Name:	Treatments_Selected

Field Name	Field Type	Field Size	Field Heading in LTDL[1]	Definition
ID	AutoNumber	4	N/A	Auto ID Number
Project_Name	Text	100	Select Your Treatment	Name of the Project, used to link to the Project Name in the Treatments table
Treatment_ID	Text	100	Treatment ID	Name of the Treatment_ID, used to link to the Treatment_ID in the Treatments table
Treatment_Name	Text	255	Type of treatment	Pick list, indicates the type of treatment (List from Treatment_Names)
Overall_Plan_Imp	Text	50	Planned/Imp status	Indicates the overall planned/implementation status (List from Plan_or_Imp table)
Final_Init_Date	Text	10	Initiation/Completion dates	The date the treatment was initiated
Final_Comp_Date	Text	10	Initiation/Completion dates	The date the treatment was completed
Final_Units	Text	50	Units/ Number of units	Pick list, indicates the final units the treatment was completed with
Final_Num_Units	Double	8	Units/ Number of units	Indicates the final number of units completed by the treatment
Objectives	Memo	0	Trt Objectives	The textual description of the objectives
Implementation Monitoring	Memo	0	Planned Implementation	Describe how the treatment would take place according to the plan
Monitoring Results	Memo	0	Actual Implementation	Describe how the treatment actually took place
Effectiveness Monitoring	Memo	0	Treatment Effectiveness	Describe the results of the treatment

1: N/A denotes that the field is not visible in the form and is automatically filled in.

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