



NISIMS Fields and Domains Guide

2019



Scotch broom (Cytisus scoparius), Point Reyes National Seashore. NPS photo.

Contents

	Page
1. Introduction to NISIMS	1
2. Input Fields	4
2.1 Weed Survey Data	4
2.2 Weed Infestation Data	5
2.3 Proposed Treatment Data	7
2.3.1 Proposed Biological Treatment	10
2.3.2 Proposed Chemical Treatment	10
2.3.3 Proposed Other Treatment	12
2.4 Treatment Data	12
2.4.1 Biological Component	13
2.4.2 Chemical Component	14
2.4.2.1 Chemical Component Control Agent	16
2.4.2.2 Adjuvant Control Agent	17
2.4.3 Fire Component	18
2.4.4 Manual Component	18
2.4.5 Mechanical Component	18
2.4.6 Restoration Component	18
2.4.6 Revegetation Component	19
2.5 Photo Location Data	19
3. Calculated Fields	21
3.1 Weed Survey Data	21
3.2 Weed Infestation Data	21
3.3 Proposed Treatment Data	21
3.4 Treatment Data	22
3.4.1 Biological Component	22
3.4.2 Chemical Component	23
3.4.2.1 Chemical Component Control Agent	23
3.4.3 Fire Component	24

Contents (continued)

	Page
3.4.4 Manual Component	24
3.4.5 Mechanical Component	24
3.4.6 Restoration Component	24
3.4.7 Revegetation Component	24
Appendix A: NISIMS SDE Geodatabase Diagram	25
Appendix B: NISIMS Field Geodatabase Diagram	28
Appendix C: NISIMS Data Dictionary Structure	30
Appendix D: Input Fields Data Dictionary	33
Appendix E: Links to NISIMS Files and Documents	154

1. Introduction to NISIMS

The National Invasive Species Information Management System (NISIMS) is the NPS standard invasive species data management tool. NISIMS was originally created to be a comprehensive tool by the Bureau of Land Management (BLM) to standardize the collection of invasive species data. NPS adopted the BLM's data management system for invasive species to standardize the collection and management of exotic plant data collected by the Exotic Plant Management Teams (EPMT). NISIMS was identified as an appropriate replacement for the Alien Plant Control and Monitoring database (APCAM), the previous exotic plant data management system, because it requires the input of data identified as important to collect by NPS, and also includes a spatial component that allows for the mapping and further analysis of infestations. Further, NISIMS was chosen due to its potential for standardizing exotic plant data management across DOI agencies.

NISIMS maintains five categories of exotic species management spatial data: weed survey, weed infestation, proposed treatment, treatment, and photo location data. Each of the five categories of location data are linked to attribute data that provide more detailed information related to each location.

- **Weed survey** data is collected as part of an exotic plant surveillance program. The results of surveillance for this category are included whether an exotic plant species was detected or not.
- **Weed infestation** data is collected when a species infestation has been identified. Data maintained in this category include those infestations which have been identified as part of a formal monitoring program and those infestations identified incidentally. If monitoring results in no finding of a species, record it as a weed survey.
- **Proposed treatment** data is collected as part of the formal treatment proposal process. Data in this category include information that is important to know prior to treatment and the steps that were taken in obtaining proposal approval.
- **Treatment** data is collected during the treatment and control of an infestation in the field. Data in this category include detailed information on the methods used to control and eradicate exotic plants at an infestation location. Treatment component data is further split into six components: biological, chemical, fire, manual, mechanical, restoration, and revegetation.
- **Photo location** data is collected to identify the locations where photos were taken in the field.

NPS has provided NISIMS users with multiple options for creating data that may be uploaded to the NISIMS geodatabase. Users may choose to add data to the NISIMS Field Geodatabase, which was designed to minimize the changes required to collect NISIMS data in the field. A NISIMS Data Dictionary has also been created for use with Trimble®'s TerraSync™. The data dictionary requires that users change their method of collecting data in the field, but requires much less time editing and loading data in the office. Finally, NPS has provided instructions for using the NISIMS Field Geodatabase feature classes and Collector for ArcGIS® to collect data in the field. This method also requires users to change their field collection methods, while reducing office time spent with the data. Instructions for how to use these methods may be found in the NISIMS Technical User Guide.

Regardless of the collection method chosen, NISIMS fields are defined the same. This guide contains the details of the required and optional fields that may be input by the user, and those that are calculated by the data manager once the data is uploaded to the website. Information on the type of data each field maintains is included, along with guidelines for those fields which allow user customization. This guide also includes the domains from which users are required to select for certain fields. Most of these domains have already been built into the NISIMS Field Geodatabase and NISIMS Data Dictionary (see NISIMS Technical User Guide for exceptions). The NISIMS Fields and Domains Guide has been designed to be your reference for collecting data using the NISIMS standard.

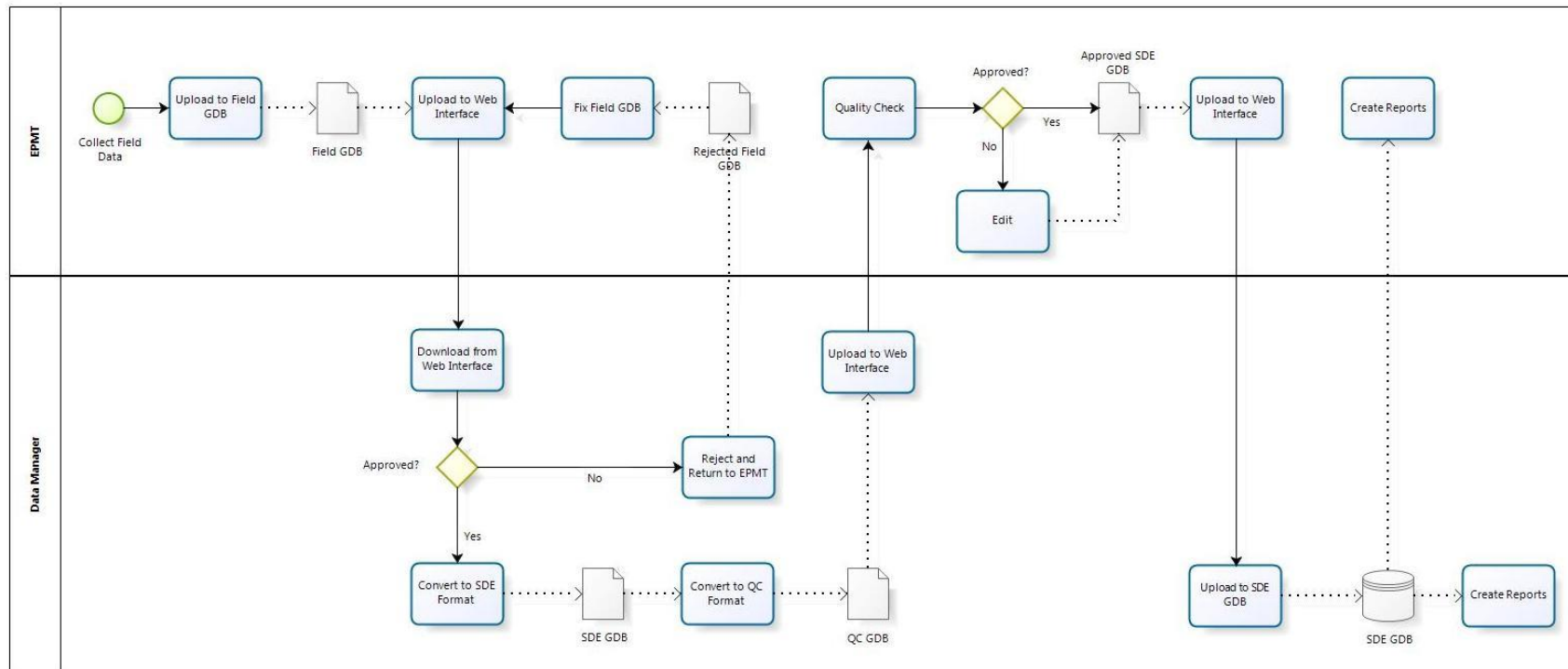


Diagram of NISIMS workflow

2. Input Fields

Input fields are those database fields that require the NISIMS data collector to populate them. Fields that are listed as REQUIRED need to be populated to calculate acreages and herbicide volumes, produce reports, and in some cases, even allow uploading of data to NISIMS. However, it is suggested that as much data as possible should be collected at each site in order to conduct effectiveness monitoring and produce tools that could be useful in the early detection of invasive species. Field descriptions are formatted as follows:

FIELD NAME (*Field Alias*): Definition and description of field. Instructions for populating field or adding fields.

Field aliases may vary somewhat depending on the collection method being used. In some instances, fields may be added where additional data needs to be entered (e.g. for multiple species treated or herbicides used). In order to view where the fields can be found in the NISIMS SDE Geodatabase, NISIMS Field Geodatabase, and NISIMS Data Dictionary, please see Appendices A-C.

2.1 Weed Survey Data

The weed survey feature classes and tables maintain data that were collected during the surveillance of invasive species over a certain area. These feature classes and tables contain both positive and negative findings of invasive plants.

BEGIN_DT (*Weed Survey Begin Date*): REQUIRED, Survey begin date, recorded as date and time.

END_DT (*Survey Completion Date*): Survey completion date, recorded as date and time.

LOC_NM (*Location Name*): REQUIRED, Brief location name used to identify the infestation.

WSA_TY_NM (*Survey Method*): Survey method used to search for invasive species. Methods are maintained in a domain.

TEAM (*Team Code*): REQUIRED, Team that conducted the survey. Team codes are maintained in a domain, but additional teams may be added as needed by contacting the WASO data manager.

PARK_UNIT (*Park Unit Code*): REQUIRED, 4-letter park unit code where the data was collected. Park unit codes are maintained in a domain.

CLIENT (*Client*): Name of the client for whom the work is being done if not NPS.

RECORDER (*Recorder Name*): REQUIRED, Person recording data. Initials or name may be used.

SCNTFC_CD (*Scientific Code Name*): REQUIRED, USDA PLANTS code of the species being surveyed. Codes are selected from a domain. Four additional fields have been added to record an additional four species that were surveyed during a single period. Additional SCNTFC_CD fields may also be added, beginning with SCNTFC_CD6.

DPC_TX (*Desired Plant Community Status Description*): Description of the status of the desired plant community.

PERSON_HR (*Total Person Hours*): Total number of person hours expended during survey.

NOTES (*Notes*): Additional comments and notes.

BUFFER_M (*Buffer Distance in Meters*): REQUIRED for line and point features, distance survey occurred out from line/point mapped.

BUFDIR (*Buffer Direction*): REQUIRED for line features, direction from line that survey occurred, selected from domain.

2.2 Weed Infestation Data

The weed infestation feature classes and tables maintain exotic plant status data. Status data may have been collected as part of a formal program or incidentally.

QT_MTHD_TX (*Plant Quantity Method Text*): Method used to determine the number of plants present for the species being inventoried. Method is selected from a domain.

INFSTN_QY (*Plants Quantity*): Number of plants discovered during inventory.
QY_UOM_NM must also be populated with INFSTN_QY in order to identify units.

QY_UOM_NM (*Plants Quantity UOM Type Name*): Units of plant quantity inventoried (e.g. per acre, per square meter, etc.). This field must be populated if INFSTN_QY is populated. Units are selected from a domain.

EST_CVR_RT (*Percent Cover*): REQUIRED, Estimated percent cover of the species inventoried. Only percent values should be entered (i.e. 33.3, not .333). Cover rates may be calculated as the midpoint of a range of percent values. This field is used to calculate infestation net acreage from the gross acreage (calculated from the size of the feature).

SPFC_TX (*Specific Weed Infested Area*): Detailed description of the weed infestation area.

BEGIN_DT (*Data Currency Begin Date*): REQUIRED, Begin date of inventory, recorded as date and time. Identifies the date the inventory data was current. If new data becomes available, END_DT will be populated.

PHNLGY_NM (*Plant Phenology Name*): The predominant state or stage of the plants inventoried, selected from a domain.

PHYSLMT_TX (*Physical Access Limitation Text*): Description of conditions that may limit physical access of a site.

ACSMODE_NM (*Physical Access Mode Name*): Method by which the infestation site is accessed, selected from a domain.

SCNTFC_CD (*Scientific Name Code*): REQUIRED, USDA PLANTS code of the species being surveyed, codes are selected from a domain. **Only one species may be recorded per record.**

RECORDER (*Recorder Name*): REQUIRED, Person recording data. Initials or name may be used.

ROLE_NM (*Role Name*): Recorder's role in the collection of exotic plant data, selected from a domain.

TEAM (*Team Code*): REQUIRED, Team that conducted the inventory. Team codes are maintained in a domain, but additional teams may be added as needed by contacting the WASO data manager.

PARK_UNIT (*Park Unit Code*): REQUIRED, 4-letter park unit code where the data was collected. Park unit codes are maintained in a domain.

CLIENT (*Client*): Name of the client for whom the work is being done if not NPS.

LOC_NM (*Location Name*): REQUIRED, Brief location name used to identify the infestation.

LU_CTGY_NM (*Land Use Category*): Land use category at the infestation site, selected from a domain. An additional land use category has been added to record a second land use identified at the site. Additional land use category fields may be added as necessary, beginning with LU_CTGY_NM3.

LU_CMT_TX (*Land Use Comment Text*): Additional land use description/comments.

NOTES (*Notes*): Additional comments and notes.

BUFFER_M (*Buffer Distance in Meters*): REQUIRED for line and point features, distance survey occurred out from line/point mapped.

BUFDIR (*Buffer Direction*): REQUIRED for line features, direction from line that survey occurred, selected from domain.

2.3 Proposed Treatment Data

The proposed treatment feature classes and tables may be used to maintain data related to treatment proposals. There are three types of proposed treatment data: biological, chemical, and other. The NISIMS Data Dictionary does not include the option to collect proposed treatment data.

APPL_YR_QY (*Duration of Proposal*): The number of years that treatment will be applied.

PRP_TX (*Comments*): Additional proposal comments.

PR_ACRE_QY (*Estimated Treatment Acres*): The number of acres that are proposed for treatment. This is the acreage identified by the proposer and not necessarily calculated from the size of the feature.

PUP_NR (*Pesticide Use Proposal Number*): The Pesticide Use Proposal Number that permits the treatment being proposed. For biological control treatments, the BUP (Biocontrol Use Proposal) number may be entered here. No PUP_NR is recorded for ProposedOtherTreatment feature classes. Please separate multiple PUPs by a semi-colon (;).

TEAM (*Team Code*): REQUIRED, Team that is proposing treatment. Team codes are maintained in a domain, but additional teams may be added as needed by contacting the WASO data manager.

PARK_UNIT (*Park Unit Code*): REQUIRED, 4-letter park unit code where the treatment is being proposed to occur. Park unit codes are maintained in a domain.

CLIENT (*Client*): Name of the client for whom the work is being done if not NPS.

NR_APPL (*Number Applications*): Number of applications proposed to occur each year of treatment.

LOC_NM (*Location Name*): REQUIRED, Brief location name used to identify the infestation. This should be the same name assigned to the site in the weed infestation feature classes.

TIMEFRAME (*Timeframe*): Period of time during the calendar year that treatment will occur.

PRP_DATE (*Proposal Date*): REQUIRED, Proposal initiation date, recorded as date and time.

NONTRGT_TX (*Non Target Vegetation*): Non-target vegetation that may be affected by treatment proposed to be conducted.

IPM_TX (*Integrated Pest Management*): Description of how the proposed treatment contributes to integrated pest management.

DPS_TX (*Desired Plant Species*): The plant community that is desired at the proposed site.

ORIG_LE (*Originator LE ID*): Person who wrote the proposal document. Initials or full name may be entered.

ORIG_APPDT (*Originator Date*): Date that the proposal document was written, recorded as date and time.

REVIEWER_LE (*Reviewer LE ID*): Person who reviewed the proposal document. Initials or full name may be entered.

REV_APPCD (*Reviewer Approval Code*): Outcome of proposal document review, selected from a domain.

REV_APPDT (*Reviewer Approval Date*): Date of review, recorded as date and time.

PARK_LE (*Park LE ID*): Person at the park-level who reviews the proposal. Initials or full name may be entered.

PARK_APPCD (*Park Approval Code*): Outcome of park review, selected from a domain.

PARK_APPDT (*Park Approval Date*): Date of park review, recorded as date and time.

REG_LE (*Regional IPM Coordinator LE ID*): Regional IPM Coordinator who reviews the proposal. Initials or full name may be entered.

REG_APPCD (*Regional IPM Coordinator Approval Code*): Outcome of Regional IPM Coordinator review, selected from a domain.

REG_APPDT (*Regional IPM Coordinator Approval Date*): Date of Regional IPM Coordinator review, recorded as date and time.

WASO_LE (*WASO IPM Program Manager LE ID*): WASO IPM Program Manager who reviews the proposal. Initials or full name may be used.

WASO_APPCD (*WASO IPM Program Manager Approval Code*): Outcome of WASO IPM Program Manager review, selected from a domain.

WASO_APPDT (*WASO IPM Program Manager Approval Date*): Date of WASO IPM Program Manager review, recorded as date and time.

ORIG_CM_TX (*Originator Comment*): Additional originator comments.

REV_CM_TX (*Reviewer Comment*): Additional reviewer comments.

PARK_CM_TX (*Park Comment*): Additional park reviewer comments.

REG_CM_TX (*Regional IPM Coordinator Comment*): Additional Regional IPM Coordinator comments.

WASO_CM_TX (*WASO IPM Program Manager Comment*): Additional WASO IPM Program Manager comments.

COOP_PERS (*Cooperator*): Proposed cooperator. Additional cooperators may be added, starting with COOP_PERS2.

SCNTFC_CD (*Scientific Name Code*): REQUIRED, USDA PLANTS code of the species being proposed for treatment. Codes are selected from a domain. Four additional fields have been added to record an additional four species that are proposed for treatment. Additional SCNTFC_CD fields may also be added, beginning with SCNTFC_CD6.

NEPA_NR (*NEPA Reference Number*): Reference number of NEPA action related to treatment.

BUFFER_M (*Buffer Distance in Meters*): REQUIRED for line and point features, distance survey occurred out from line/point mapped.

BUFDIR (*Buffer Direction*): REQUIRED for line features, direction from line that survey occurred, selected from domain.

2.3.1 Proposed Biological Treatment

The proposed biological files maintain data for proposed biological control treatments. The following fields are included in the proposed biological fields, in addition to those included for all proposed treatment data.

RLSITE_TX (*Release Site*): Proposed site of biocontrol species release.

CAUTION_TX (*Steps Taken to Ensure That Release Sites are Protected*):
Precautionary measures used to protect release sites, selected from a domain.

SPC_USE_QY (*Number Released*): Number of biocontrol individuals to be released.

HSTMATL_NM (*Host Material*): The host material that will come with the biocontrol species.

PRMT_DT (*Transfer Permit Received Date*): Date the transfer permit was received, recorded as date and time.

PRMTREQ_FL (*Transfer Permit Required Flag*): Yes/no, denotes whether a transfer permit is required.

LFCYCLE_NM (*Agent Life Cycle*): Predominant state or stage of biocontrol agent proposed to be released.

CLLCNTY_NM (*Collection County*): County of biocontrol agent collection.

CLSTATE_CD (*Collection State*): State code of biocontrol agent collection, selected from a domain.

BIO_SCNTFC_CD (*Scientific Name Code*): REQUIRED, Biocontrol agent species code, selected from a domain.

PRMT_NR (*Transfer Permit Number*): Biocontrol agent transfer permit number.

2.3.2 Proposed Chemical Treatment

The proposed chemical files maintain data for proposed chemical treatments. The following fields are included in the proposed chemical files, in addition to those included for all proposed treatment data.

DLVR_NM (*Delivery Method*): Method to be used to apply the treatment, selected from a domain.

PTTRN_NM (*Treatment Coverage Pattern*): Proposed chemical coverage pattern, selected from a domain.

TRADE_NM (*Trade Name*): REQUIRED, Manufacturer's trade name of the pesticide proposed. One additional field has been added to record another pesticide proposed to be used at the site. Additional fields may be added, beginning with TRADE_NM3.

MNFCTR_NM (*Manufacturer*): Name of the proposed pesticide manufacturer, selected from a domain. Additional fields may be added for each TRADE_NM field added.

SITE_TX (*Release Site*): Type of site where the chemical is to be released, selected from a domain. Additional fields must be added for each TRADE_NM field.

APP_RT_TX (*Application Rate from Label*): Units for the proposed application rate as identified by the pesticide label, selected from a domain. REQUIRED if APP_AMT_LOW and/or APP_AMT_HIGH are populated. Additional fields may be added for each TRADE_NM field added.

APP_AMT_LOW (*Application Amount - Low*): Proposed low end application rate. APP_RT_TX must be populated. Additional fields may be added for each TRADE_NM field added.

APP_AMT_HIGH (*Application Amount - High*): Proposed high end application rate. APP_RT_TX must be populated. Additional fields may be added for each TRADE_NM field added.

TRT_ID (*Overseer LE ID*): Person who will be overseeing treatment. Initials or full name may be used.

ROLE_NM (*Role Name*): Role the overseer plays, selected from a domain.

CERT_NR (*License Number*): Overseers certification license number.

2.3.3 Proposed Other Treatment

The proposed other treatment feature classes maintain data for proposed fire, manual, mechanical, and revegetation treatments. The proposed other treatment feature classes do not have any additional fields, other than those required for all proposed treatment files.

2.4 Treatment Data

The treatment data feature classes and tables maintain data collected during the treatment of exotic plants. There are six types of treatment data that may be collected: biological, chemical, fire, manual, mechanical, restoration, and revegetation. The following fields are included for all treatment data collected.

AREA_TY_NM (*Treatment Area Physical Type*): Description of the physical characteristics of a site, selected from a domain.

TEMP_TREAT_SITE (*Treatment Site Category*): Type of site where treatment is occurring.

LOC_NM (*Location Name*): REQUIRED, Brief location name used to identify the infestation. This should be the same name assigned to the site in the weed survey and weed infestation feature classes.

TEAM (*Team Code*): REQUIRED, Team that conducted treatment. Team codes are maintained in a domain, but additional teams may be added as needed by contacting the WASO data manager.

PARK_UNIT (*Park Unit Code*): REQUIRED, 4-letter park unit code where the treatment occurred. Park unit codes are maintained in a domain.

CLIENT (*Client*): Name of the client for whom the work is being done if not NPS.

RECORDER (*Recorder Name*): REQUIRED, Person recording data. Initials or name may be used.

ROLE_NM (*Role Name*): Recorder's role in the collection of exotic plant data, selected from a domain.

TRT_BEG_DT (*Start Date*): REQUIRED, Date treatment began.

TRT_END_DT (*Completion Date*): Date treatment was completed.

PHNLGY_NM (*Phenology*): Predominant state or stage of the exotic plants being treated, selected from a domain.

DPC_TX (*Desired Community Text*): Description of the desired plant community.

SCNTFC_CD (*Treated species*): REQUIRED, USDA PLANTS code of the species being treated, selected from a domain. Four additional fields have been added to record an additional four species being treated. Additional SCNTFC_CD fields may also be added, beginning with SCNTFC_CD6. A related EST_CVR_RT field must be added for each SCNTFC_CD field added.

EST_CVR_RT (*Percent Cover*): REQUIRED, Estimated percent cover of the species treated. Only percent values should be entered (i.e. 33.3, not .333). Cover rates may be calculated as the midpoint of a range of percent values. Additional fields must be added for each SCNTFC_CD added.

TRT_QTY (*Number of Plants Treated*): Number of plants treated by species. Additional fields may be added for each SCNTFC_CD added.

PERSON_HR (*Total Person Hours*): Total number of person hours expended during treatment.

NOTES (*Notes*): Additional comments and notes.

BUFFER_M (*Buffer Distance in Meters*): REQUIRED for line and point features, distance survey occurred out from line/point mapped.

BUFDIR (*Buffer Direction*): REQUIRED for line features, direction from line that survey occurred, selected from domain.

2.4.1 Biological Component

The biological component feature classes contain data collected during biological control treatments. The following fields are to be collected with biological component data in addition to those included for all treatment data.

BUP_NR (*Biocontrol Use Proposal Number*): Biocontrol Use Proposal Number related to the treatment being performed. For work on NPS lands, enter the Pesticide Use Proposal (PUP) Number for the project.

BIO_SCNTFC_CD (*Bio Control Species*): REQUIRED, Code for the biocontrol species being used for treatment, selected from a domain.

SPC_USE_QY (*Number of Specimens Used*): Number of biocontrol individuals used for treatment.

PRTCMTH_TX (*Treatment Agent Protection*): Description of measures taken to protect the biocontrol agent, selected from a domain.

RLSDRCT_TX (*Treatment Agent Release Direction*): Direction the biocontrol agent was released, selected from a domain.

SOURCE (*Bio Control Agent Source*): Source of the biocontrol agent.

HSTMATL_NM (*Biological Agent Host Material Name*): Host material provided with the biocontrol agent.

LFCYCLE_NM (*Agent Life Cycle*): Predominant state or stage of the biocontrol agent, selected from a domain.

CLLCNTY_NM (*Collection County*): County where the biocontrol agent was collected.

COLLECT_DT (*Collection Date*): Date of biocontrol agent collection, recorded as date and time.

CLSTATE_CD (*Collection State*): State where the biocontrol agent was collected.

FA_AIR_ME (*Temperature*): Air temperature in Fahrenheit recorded at start of treatment.

WNDMPH_ME (*Wind Speed*): Wind velocity at the time treatment was performed.

SL_MOIS_NM (*Soil Surface Moisture Type Name*): Type of soil moisture at the time treatment was performed, selected from a domain.

WNDDRCT_CD (*Wind Direction*): Code for wind direction at the time of treatment, selected from a domain.

2.4.2 Chemical Component

The chemical component feature classes and tables contain data collected during chemical treatments. The following fields are to be collected with chemical component data in addition to those included for all treatment data. **Additional data may be required by the state in**

which you are conducting treatment. Contact the state to determine what additional data may be required.

MIXUOM_NM (*Carrier UOM*): REQUIRED, Units of liquid mix volume used, selected from a domain. Only one mixture may be recorded for each feature. Formerly CARRVOL_ME.

MIXVOL_ME (*Total Mix Volume*): REQUIRED, Total volume of liquid mix applied. Only one mixture may be recorded for each feature. Formerly CARRVOL_ME.

CARR_TY_NM (*Carrier*): REQUIRED, Carrier used during treatment, such as water or oil, selected from a domain.

RLSDRCT_TX (*Application Direction*): Direction of chemical release, selected from a domain.

PUP_NR (*Pesticide Use Proposal Number*): The Pesticide Use Proposal Number that permits the treatment being conducted. Please separate multiple PUPs by a semi-colon (;).

DLVR_NM (*Delivery Method*): REQUIRED, Method used to apply the treatment, selected from a domain.

PTTRN_NM (*Treatment Coverage Pattern Type Name*): REQUIRED, Chemical coverage pattern, selected from a domain.

WTRDIST_TX (*Distance to Water*): Distance from water treatment was applied, selected from a domain.

TRT_BEG_TM (*Start Time*): REQUIRED, Time treatment began.

TRT_END_TM (*End Time*): Time treatment was completed.

EQ_OUT_RT (*Calibration Rate*): Equipment calibration rate calculated prior to treatment. EQ_UOM_NM field must be populated if EQ_OUT_RT is populated to identify units of measurement.

EQ_UOM_NM (*Calibration UOM*): Units of measurement for the calibration rate, selected from a domain. REQUIRED if EQ_OUT_RT is populated.

EQ_TY_NM (*Equipment Type Name*): Type of equipment used during treatment, selected from a domain.

FA_AIR_ME (*Temperature*): Air temperature in Fahrenheit recorded at start of treatment.

P_AFTER_QY (*Estimated Elapsed Time After Treatment Hours QTY*): Estimated number of hours after treatment that precipitation occurs.

HUMID_RT (*Relative Humidity*): Relative humidity during treatment.

WNDMPH_ME (*Wind Speed*): Wind velocity at the time treatment was performed.

SL_MOIS_NM (*Soil Surface Moisture Type Name*): Type of soil moisture at the time treatment was performed, selected from a domain.

PRECIP_NM (*Precipitation Type Name*): Type of precipitation that occurred, selected from a domain.

WNDDRCT_CD (*Wind Direction*): Code for wind direction at the time of treatment, selected from a domain.

2.4.2.1 Chemical Component Control Agent

These fields describe the herbicide(s) used during the chemical treatment effort. Additional fields may be added to record multiple herbicides used in the mixture applied.

TRADE_NM (*Trade Name*): REQUIRED, Manufacturer's trade name of the pesticide used. One additional field has been added to record another pesticide used in the mixture. Additional fields may be added for each chemical used in a mixture, beginning with TRADE_NM3; however, related fields also need to be added. The related fields are: AGT_APP_RT, APP_UOM_NM and EPAREGISTRATIONNUMBER.

AGT_APP_RT (*Application Rate*): The rate of control agent being applied during treatment. Additional fields must be added with each additional TRADE_NM field. Will be calculated if not populated. REQUIRED if ACTLUSE_QY is not populated.

APP_UOM_NM (*Application Rate UOM*): Units of measure of the control agent application rate, selected from a domain. Additional fields must be

added with each additional TRADE_NM field. Will be calculated if not populated. REQUIRED if AGT_APP_RT is populated.

ACTLUSE_QY (*Agent Amount*): Quantity of control agent used. Additional fields must be added with each additional TRADE_NM field. Will be calculated if not populated. REQUIRED if AGT_APP_RT is not populated.

AGT_UOM_NM (*Agent quantity UOM*): Unit of measure for the quantity of chemical agent used. Additional fields must be added with each additional TRADE_NM field. Will be calculated if not populated. REQUIRED if ACTLUSE_QY is populated.

MNFCTR_NM (*Manufacturer*): Name of manufacturer that produces the control agent used during treatment, selected from a domain. Additional fields may be added with each additional TRADE_NM field.

EPAREGISTRATIONNUMBER (*EPA Registration Number*): REQUIRED, EPA registration number for the control agent used. Additional fields must be added with each additional TRADE_NM field.

2.4.2.2 Adjuvant Component Agent

The following fields describe the adjuvants used in the chemical mixture used to treat the infestation. Additional fields may be added to record multiple herbicides used in the mixture.

ADJ_TRADE_NM (*Adjuvant Trade Name*): Manufacturer's trade name of the adjuvant used during treatment. One additional field has been added to record another adjuvant used at the site. Additional fields may be added, beginning with ADJ_TRADE_NM3.

ADJ_ACTLUSE_QTY (*Agent Amount*): Quantity of adjuvant used during treatment. If populated, then ADJ_AGT_UOM_NM must also be populated to identify units of measure. Additional fields may be added with each ADJ_TRADE_NM field added.

ADJ_AGT_UOM_NM (*Agent UOM*): Unit of measure of adjuvant quantity used. REQUIRED if ADJ_ACTLUSE_QTY is populated. Additional fields may be added with each ADJ_TRADE_NM field added.

ADJ_AGT_APP_RT (*Application Rate*): Rate of adjuvant applied for the treatment. If populated, then ADJ_APP_UOM_NM must be populated. Additional fields may be added with each ADJ_TRADE_NM field added.

ADJ_APP_UOM_NM (*Application Rate UOM*): Unit of measure of the adjuvant application rate. REQUIRED if ADJ_AGT_APP_RT is populated. Additional fields may be added with each ADJ_TRADE_NM field added.

2.4.3 Fire Component

The fire component feature classes and tables contain data collected during burn treatments. The following fields are to be collected with fire component data in addition to those included for all treatment data.

INTNSTY_NM (*Burn Intensity*): REQUIRED, Description of the intensity of the fire, selected from a domain.

FUELMDL_TX (*Fuel Model*): Combustible materials used or consumed during burn, selected from a domain.

2.4.4 Manual Component

The manual component feature classes and tables contain data collected during manual treatments. The following fields are to be collected with manual component data in addition to those included for all treatment data.

MANL_CL_NM (*Manual Treatment Class*): REQUIRED, Type of manual treatment conducted, selected from a domain.

2.4.5 Mechanical Component

The mechanical component feature classes and tables contain data collected during treatments using mechanical equipment. The following fields are to be collected with mechanical component data in addition to those included for all treatment data.

MECH_CL_NM (*Mechanical Treatment Class*): REQUIRED, Type of mechanical treatment conducted, selected from a domain.

2.4.6 Restoration Component

The restoration component feature classes and tables contain data collected during restoration of an infestation site. The following fields are to be collected with restoration component data in addition to those included for all treatment data.

REST_CL_NM (*Restoration Class*): REQUIRED, Type of restoration activity conducted, selected from a domain. Additional fields may be added where multiple activities have been conducted.

2.4.7 Revegetation Component

The revegetation component feature classes and tables contain data collected during revegetation of an infestation site. The following fields are to be collected with revegetation component data in addition to those included for all treatment data.

STOCK_ME (*Plant Stocking Measurement*): REQUIRED, The amount of seeds or plants used to stock a revegetation site.

VEG_UOM_NM (*UOM Type Name*): REQUIRED, Units of measure for the amount of seeds and plants used to stock a revegetation site, selected from a domain.

REVEG_PHNLGY_NM (*Revegetation Phenology*): Predominant state or stage of the seeds or plants being used to revegetate the infestation, selected from a domain.

SEEDLOT_NR (*Seedlot Number*): Number assigned by the vendor identifying the seedlot used to revegetate an infestation. REQUIRED if RVG_SCNTFC_CD is not populated.

RVG_SCNTFC_CD: REQUIRED, USDA PLANTS code of the plant species being used to revegetate an infestation, selected from a domain. REQUIRED if SEEDLOT_NR is not populated.

2.5 Photo Location Data

The photo location feature classes and tables maintain information of photos taken during exotic plant management. Photo locations are only captured as points.

PREFIX (*Prefix*): The prefix to the photograph name. Additional fields may be added with each PHOTO field added..

PHOTONUM (*Photo Number*): Photo number assigned by the camera. When combined with the prefix, it will give the photos name. Additional fields may be added with each PHOTO field added.

PURPOSE (*Photo Purpose*): Reason the photo was taken, selected from a domain. Additional fields may be added with each PHOTO field added.

PHOTODATE (*Photo Date*): REQUIRED, Date photo was taken, recorded as date and time. Additional fields must be added with each PHOTO field added.

PHOTO (*Photo*): REQUIRED, Hyperlink to photo. One additional field has been added to record another photo taken at the same location. Additional fields may be added, beginning with PHOTO3; however, related fields also need to be added. The related fields are: PHOTODATE and PHOTDEG.

PHOTODEG (*Photo Direction in Degrees*): REQUIRED, The compass direction in which the photo was taken. Additional fields must be added with each PHOTO field added.

NOTES (*Notes*): Additional comments and notes.

TEAM (*Team Code*): REQUIRED, Team that took the photo. Team codes are maintained in a domain, but additional teams may be added as needed by contacting the WASO data manager.

PARK_UNIT (*Park Unit Code*): REQUIRED, 4-letter park unit code where the photo was taken. Park unit codes are maintained in a domain.

3. Calculated Fields

Some of the data that was entered into the previous NPS data management system by the data collector or manager is now calculated upon uploading to NISIMS. Geometric and herbicide information, such as gross and net acreage and herbicide volumes, are calculated using the geometry of the feature and information input by the data collector. Other fields may be populated by overlaying another GIS layer with the NISIMS data (e.g. county, state, etc.). The following describes these fields, which are only found in the NISIMS SDE Geodatabase, quality check export data, or data exported from the SDE.

3.1 Weed Survey Data

CNTR_PT_CN (*Center Point*): Center of the survey area calculated from the feature geometry in the Albers coordinate system appropriate for the survey location.

SRVY_ME (*Surveyed Area*): Survey area acreage, calculated from the feature geometry in the appropriate Albers Equal Area Conic coordinate system.

SURV_GUID (*Survey ID*): Unique id that links a single feature and all of its related data.

STATE_CD (*State Code*): State that contains the survey location, calculated by overlaying a state feature class with the survey feature. If a feature crosses a state boundary, only one state will be selected.

COUNTY_CD (*County Code*): County that contains the survey location, calculated by overlaying a state feature class with the survey feature. If a feature crosses a county boundary, only one county will be selected.

3.2 Weed Infestation Data

NETACRE_ME (*Net Infested Acre*): The estimated acreage that the species occupies derived from GRSACRE_ME and EST_CVR_RT.

GRSACRE_ME (*Calculated Gross Acres*): Total acreage of the infestation, regardless of density or dispersal pattern, as calculated from feature geometry in the appropriate Albers Equal Area Conic coordinate system.

END_DT (*Data Currency End Date*): Date that data is no longer considered current. Calculated by comparing the feature to more recent data. The end date will be equal to the begin date of the new inventory.

CNTR_PT_CN (*Center Point*): Center of the survey area calculated from the feature geometry in the Albers coordinate system appropriate for the survey location.

CURRENT_CD (*Infestation Status*): Indicates the currency of the feature data. Calculated by comparing the feature to older and more recent data (i.e. Current or Historic).

STATE_CD (*State Code*): State that contains the infestation location, calculated by overlaying a state feature class with the infestation feature. If a feature crosses a state boundary, only one state will be selected.

COUNTY_CD (*County Code*): County that contains the infestation location, calculated by overlaying a state feature class with the infestation feature. If a feature crosses a county boundary, only one county will be selected.

INF_GUID (*Infestation ID*): Unique id that links a single feature and all of its related data.

3.3 Proposed Treatment Data

PROP_TRT_GUID (*Proposed Treatment ID*): Unique id that links a single feature and all of its related data.

3.4 Treatment Data

CLCACRE_ME (*Treated Calculated Acre Measurement*): Treatment area acreage, calculated from the feature geometry in the appropriate Albers Equal Area Conic coordinate system.

GLOBALID: Calculated automatically by application.

STATE_CD (*State Code*): State that contains the treatment location, calculated by overlaying a state feature class with the treatment feature. If a feature crosses a state boundary, only one state will be selected.

LGCY_FL (*Legacy Data Flag*): Yes/no, indicates whether the feature contains legacy data. Identified by the WASO data manager.

COUNTY_CD (*County Code*): County that contains the treatment location, calculated by overlaying a state feature class with the treatment feature. If a feature crosses a county boundary, only one county will be selected.

CMP_TY_NM (*Treatment Type*): Type of treatment being conducted, calculated by identifying the feature class being processed.

TRT_GUID (*Treatment ID*): Unique id that links a single feature and all of its related data.

PARKACRE_ME: Treatment area acreage that occurs within park boundaries, calculated by first overlaying a park boundary layer with the treatment data, then by calculating acreage from the resulting geometry.

3.4.1 Biological Component

CVRAREA_ME: Net acreage of biocontrol treatment area, calculated as
$$\text{CLCACRE_ME} * \text{sum}(\text{EST_CVR_RT}) / 100.$$

CVR_UOM_NM: Unit of measure for CVRAREA_ME, always calculated as “ACRES”.

3.4.2 Chemical Component

ESTACRE_ME: Net acreage of chemical treatment area, calculated as
$$\text{CLCACRE_ME} * \text{sum}(\text{EST_CVR_RT}) / 100.$$

CONAGT_GUID: Unique id that links each record with records in other chemical tables.

3.4.2.1 Chemical Component Control Agent

AGT_APP_RT (*Application Rate*): The rate of control agent being applied during treatment. If not populated, calculated as
$$\text{ACTLUSE_QY} / \text{ESTACRE_ME}$$
 if PTTRN_NM $\neq$ “BROADCAST”. If PTTRN_NM = “BROADCAST”, then calculated as
$$\text{ACTLUSE_QY} / \text{CLCACRE_ME}.$$

APP_UOM_NM (*Application Rate UOM*): Units of measure of the control agent application rate. If not populated by user, calculated as
AGT_UOM_NM “PER ACRE”.

ACTLUSE_QY (*Agent Amount*): Quantity of control agent used. If not populated by user, calculated as $\text{AGT_APP_RT} / 100$ if APP_UOM_NM = “PERCENT SOLUTION” or as $\text{AGT_APP_RT} * \text{ESTACRE_ME}$ if APP_UOM_NM $\neq$ “PERCENT SOLUTION”. If PTTRN_NM = “BROADCAST”, then ACTLUSE_QY is calculated as
$$\text{AGT_APP_RT} * \text{CLCACRE_ME}.$$

AGT_UOM_NM (*Agent Quantity UOM*): Unit of measure for the quantity of chemical agent used. If not populated by user, calculated from APP_UOM_NM if APP_UOM_NM $\neq$ "PERCENT SOLUTION" or CARRUOM_NM if APP_UOM_NM = "PERCENT SOLUTION".

3.4.3 Fire Component

No additional fields are calculated for the fire treatment component.

3.4.4 Manual Component

MANLCMP_ME: Net manual treatment acreage, calculated as $\text{CLCACRE_ME} * \text{sum}(\text{EST_CVR_RT}) / 100$.

MANLUOM_NM: Unit of measure of manual treatment area, always calculated as "ACRES".

3.4.5 Mechanical Component

MECHCMP_ME: Net mechanical treatment area acreage, calculated as $\text{CLCACRE_ME} * \text{sum}(\text{EST_CVR_RT}) / 100$.

MECHUOM_NM: Unit of measure of mechanical treatment area acreage, always calculated as "ACRES".

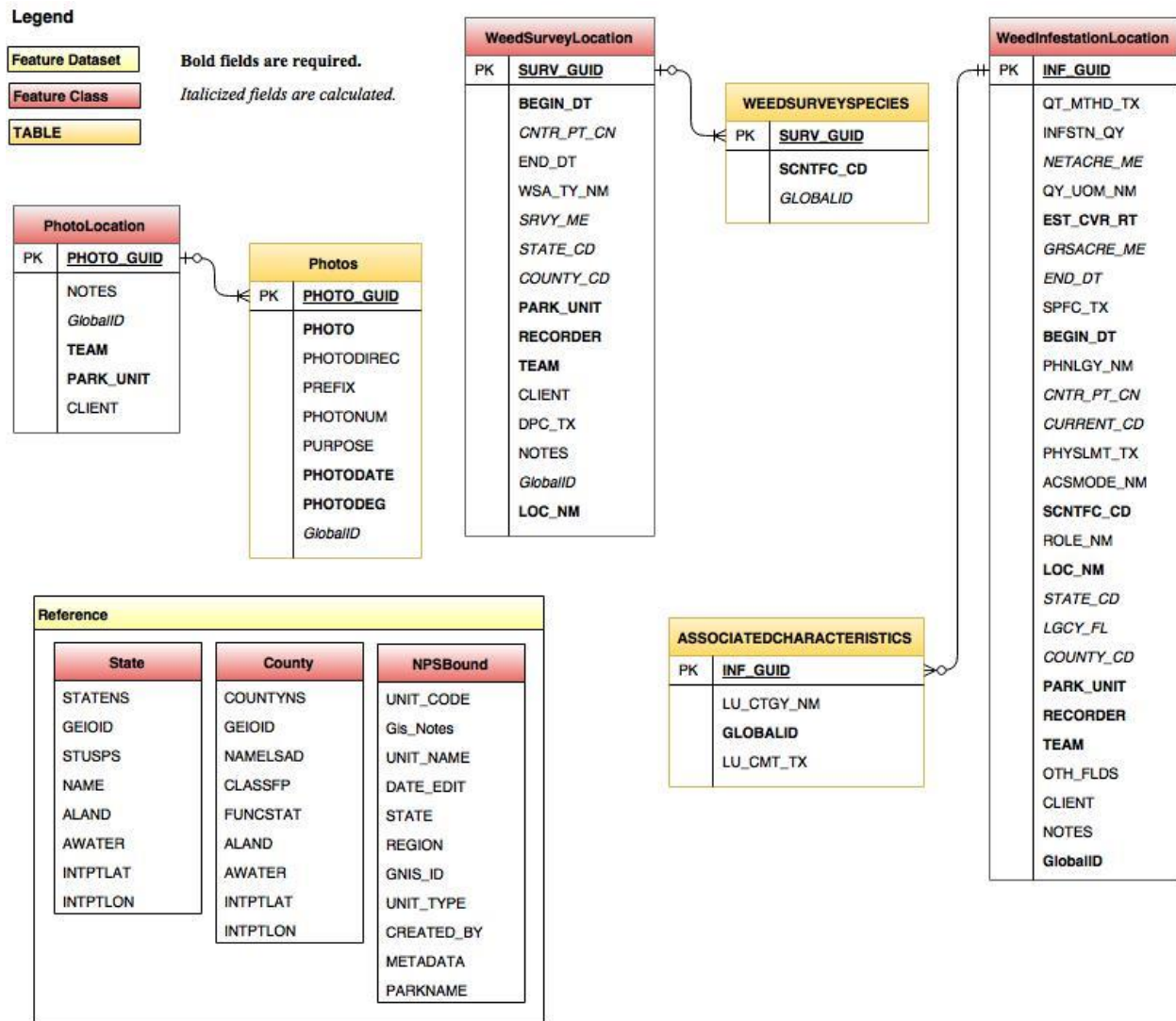
3.4.6 Restoration Component

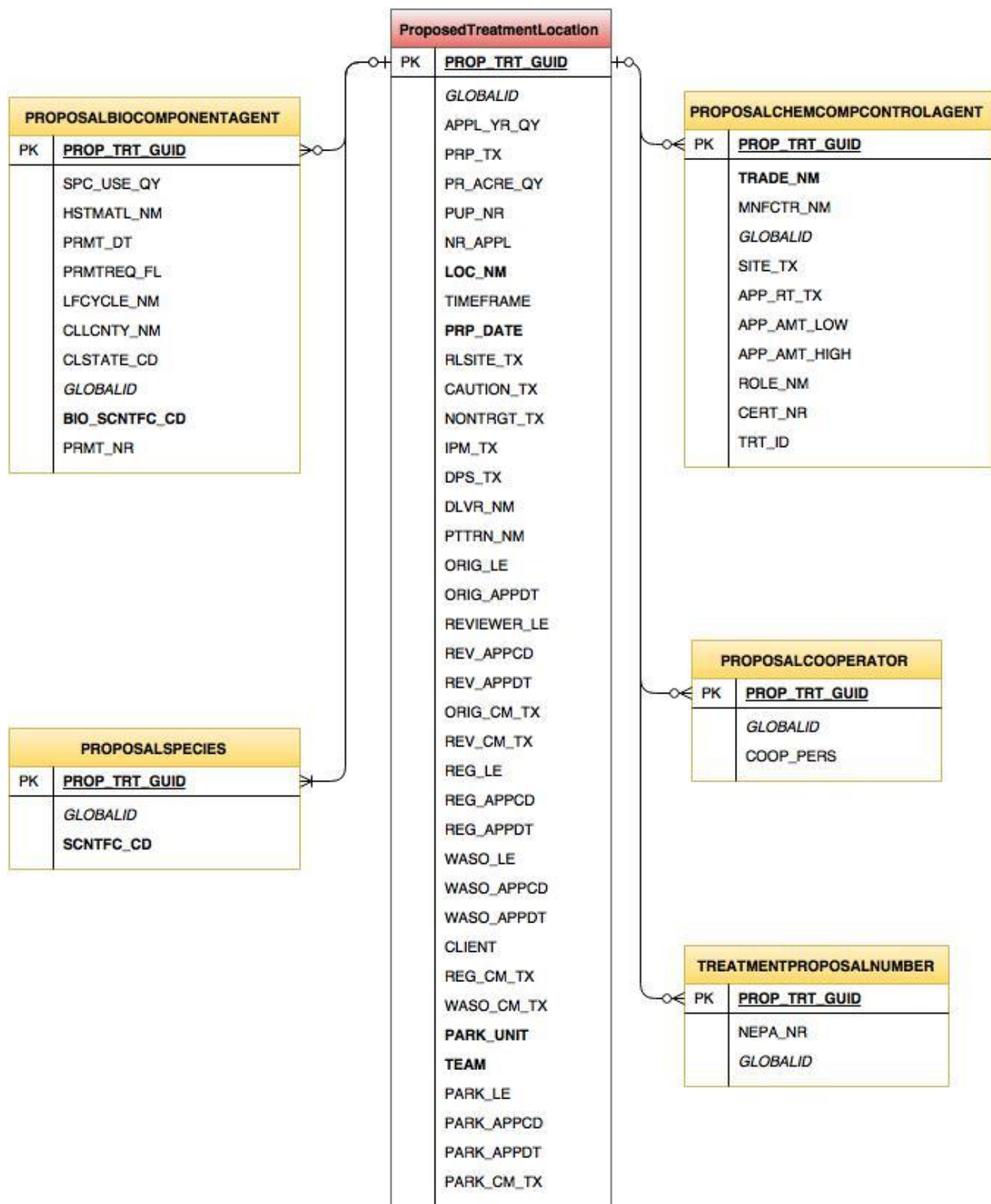
No additional fields are calculated for the restoration treatment component.

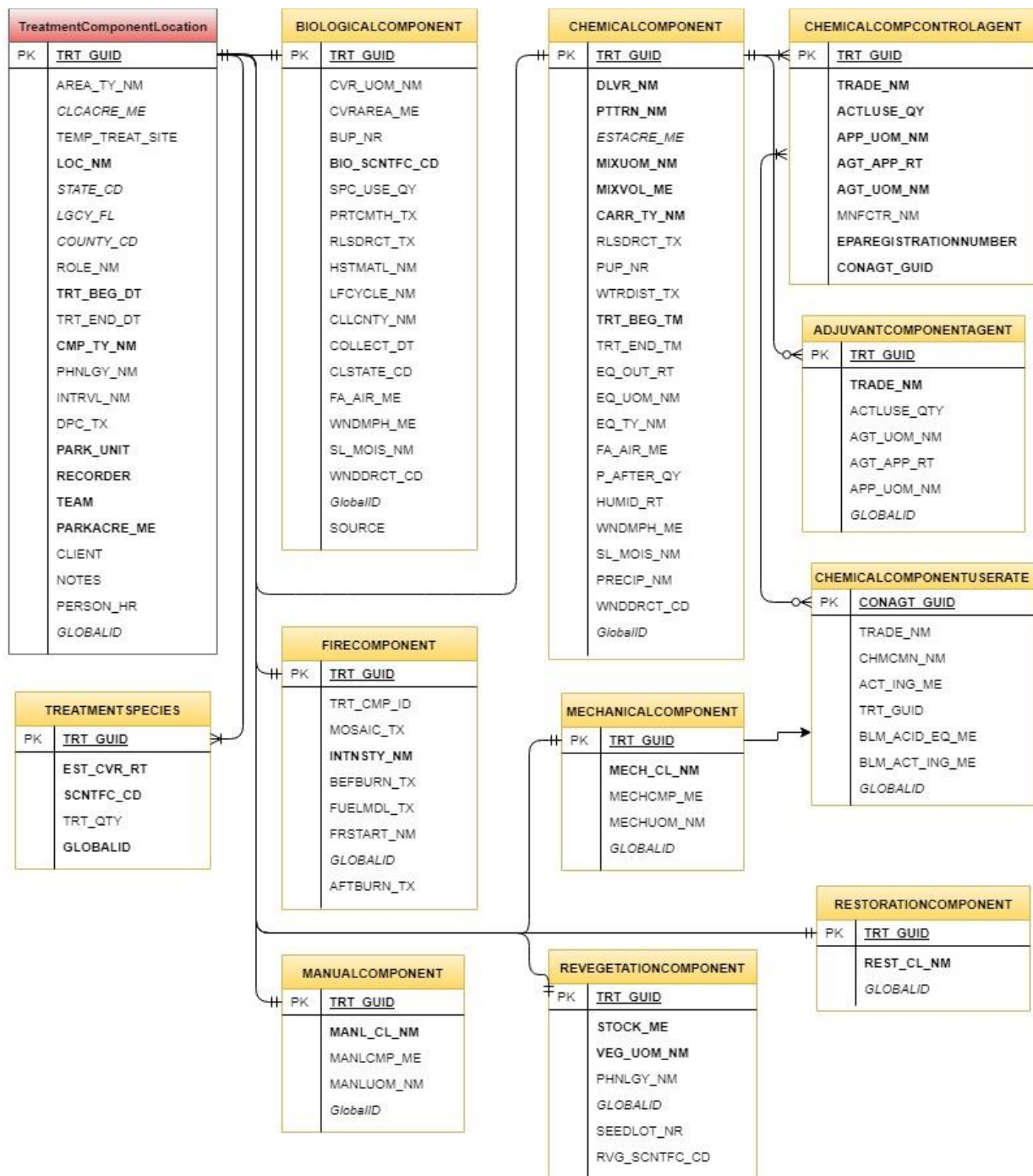
3.4.7 Revegetation Component

No additional fields are calculated for the revegetation treatment component.

Appendix A: NISIMS SDE Geodatabase Diagram

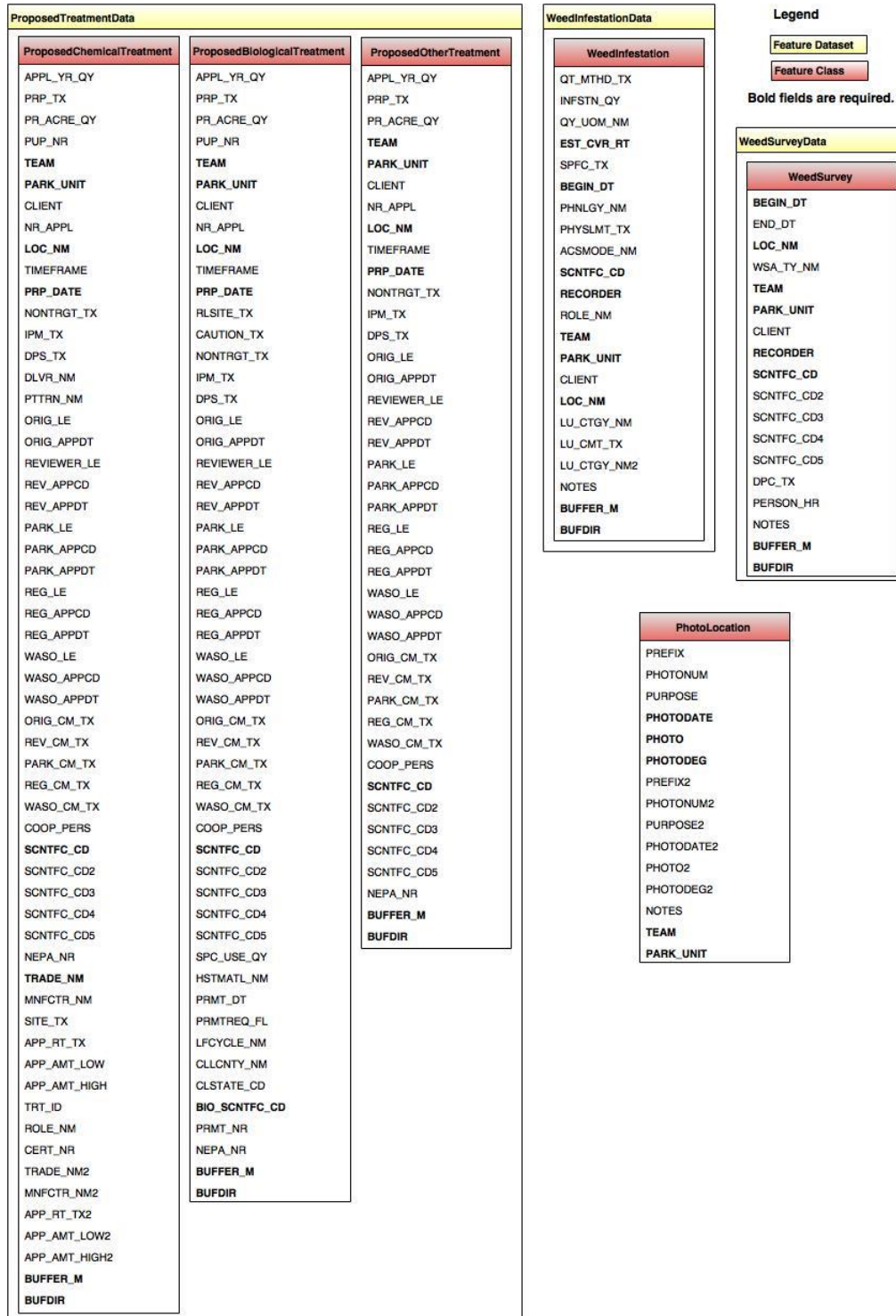






Appendix B: NISIMS Field Geodatabase Diagram

The diagram depicts the line feature classes for each of the data types included in the geodatabase. The field geodatabase also includes a point and polygon feature class for each data type, as well. Only points are collected for photo locations.



4						
BiologicalComponent	ChemicalComponent	FireComponent	ManualComponent	MechanicalComponent	MechanicalComponent	RevegetationComponent
AREA_TV_NM	AREA_TV_NM	AREA_TV_NM	AREA_TV_NM	AREA_TV_NM	AREA_TV_NM	AREA_TV_NM
TEMP_TREAT_SITE	TEMP_TREAT_SITE	TEMP_TREAT_SITE	TEMP_TREAT_SITE	TEMP_TREAT_SITE	TEMP_TREAT_SITE	TEMP_TREAT_SITE
LOC_NM	LOC_NM	LOC_NM	LOC_NM	LOC_NM	LOC_NM	LOC_NM
TEAM	TEAM	TEAM	TEAM	TEAM	TEAM	TEAM
PARK_UNIT	PARK_UNIT	PARK_UNIT	PARK_UNIT	PARK_UNIT	PARK_UNIT	PARK_UNIT
CLIENT	CLIENT	CLIENT	CLIENT	CLIENT	CLIENT	CLIENT
RECORDER	RECORDER	RECORDER	RECORDER	RECORDER	RECORDER	RECORDER
ROLE_NM	ROLE_NM	ROLE_NM	ROLE_NM	ROLE_NM	ROLE_NM	ROLE_NM
TRT_BEG_DT	TRT_BEG_DT	TRT_BEG_DT	TRT_BEG_DT	TRT_BEG_DT	TRT_BEG_DT	TRT_BEG_DT
TRT_END_DT	TRT_END_DT	TRT_END_DT	TRT_END_DT	TRT_END_DT	TRT_END_DT	TRT_END_DT
PHNLOGY_NM	PHNLOGY_NM	PHNLOGY_NM	PHNLOGY_NM	PHNLOGY_NM	PHNLOGY_NM	PHNLOGY_NM
DPC_TX	DPC_TX	DPC_TX	DPC_TX	DPC_TX	DPC_TX	DPC_TX
SCNTFC_CD	SCNTFC_CD	SCNTFC_CD	SCNTFC_CD	SCNTFC_CD	SCNTFC_CD	SCNTFC_CD
EST_CVR_RT	EST_CVR_RT	EST_CVR_RT	EST_CVR_RT	EST_CVR_RT	EST_CVR_RT	EST_CVR_RT
TRT_QTY	TRT_QTY	TRT_QTY	TRT_QTY	TRT_QTY	TRT_QTY	TRT_QTY
SCNTFC_CD2	SCNTFC_CD2	SCNTFC_CD2	SCNTFC_CD2	SCNTFC_CD2	SCNTFC_CD2	SCNTFC_CD2
EST_CVR_RT2	EST_CVR_RT2	EST_CVR_RT2	EST_CVR_RT2	EST_CVR_RT2	EST_CVR_RT2	TRT_QTY2
TRT_QTY2	TRT_QTY2	TRT_QTY2	TRT_QTY2	TRT_QTY2	TRT_QTY2	EST_CVR_RT2
SCNTFC_CD3	SCNTFC_CD3	SCNTFC_CD3	SCNTFC_CD3	SCNTFC_CD3	SCNTFC_CD3	SCNTFC_CD3
EST_CVR_RT3	EST_CVR_RT3	EST_CVR_RT3	EST_CVR_RT3	EST_CVR_RT3	EST_CVR_RT3	EST_CVR_RT3
TRT_QTY3	TRT_QTY3	TRT_QTY3	TRT_QTY3	TRT_QTY3	TRT_QTY3	TRT_QTY3
SCNTFC_CD4	SCNTFC_CD4	SCNTFC_CD4	SCNTFC_CD4	SCNTFC_CD4	SCNTFC_CD4	SCNTFC_CD4
EST_CVR_RT4	EST_CVR_RT4	EST_CVR_RT4	EST_CVR_RT4	EST_CVR_RT4	EST_CVR_RT4	EST_CVR_RT4
TRT_QTY4	TRT_QTY4	TRT_QTY4	TRT_QTY4	TRT_QTY4	TRT_QTY4	TRT_QTY4
SCNTFC_CD5	SCNTFC_CD5	SCNTFC_CD5	SCNTFC_CD5	SCNTFC_CD5	SCNTFC_CD5	SCNTFC_CD5
EST_CVR_RT5	EST_CVR_RT5	EST_CVR_RT5	EST_CVR_RT5	EST_CVR_RT5	EST_CVR_RT5	EST_CVR_RT5
TRT_QTY5	TRT_QTY5	TRT_QTY5	TRT_QTY5	TRT_QTY5	TRT_QTY5	TRT_QTY5
BUP_NNR	MIXUOM_NM	INTNSTV_NM	MANL_CL_NM	MECH_CL_NM	REST_CL_NM	STOCK_ME
BIO_SCNTFC_CD	MIXVOL_ME	FUELMDL_TX	PERSON_HR	PERSON_HR	REST_CL_NM2	VEG_UOM_NM
SPC_USE_QY	CARR_TV_NM	PERSON_HR	NOTES	BUFFER_M	REST_CL_NM3	REVEG_PHNLOGY_NM
PRTCNTH_TX	RLSDRCT_TX	NOTES	BUFFER_M	BUFDIR	REST_CL_NM4	SEEDLOT_NNR
RLSDRCT_TX	PUP_NNR	BUFFER_M	BUFDIR	NOTES	REST_CL_NM5	RVG_SCNTFC_CD
SOURCE	DLVR_NM	BUFDIR			PERSON_HR	PERSON_HR
HSTMATL_NM	PITRN_NM				BUFFER_M	NOTES
LFCYCLE_NM	WTRDIST_TX				BUFDIR	BUFFER_M
CLLGNTY_NM	TRT_BEG_TM				NOTES	BUFDIR
COLLECT_DT	TRT_END_TM					
CLSTATE_CD	PERSON_HR					
FA_AIR_ME	EQ_OUT_RT					
WNDMPH_ME	EQ_UOM_NM					
SL_MOIS_NM	EQ_TV_NM					
WNNDRCT_CD	FA_AIR_ME					
PERSON_HR	P_AFTER_QY					
NOTES	HUMID_RT					
BUFFER_M	WNDMPH_ME					
BUFDIR	SL_MOIS_NM					
	PRECIP_NM					
	WNNDRCT_CD					
	TRADE_NM					
	EPAREGISTRATIONNUMBER					
	AGT_APP_RT					
	APP_UOM_NM					
	ACTLUSE_QY					
	AGT_UOM_NM					
	MNFCTR_NM					
	TRADE_NM2					
	EPAREGISTRATIONNUMBER2					
	AGT_APP_RT2					
	APP_UOM_NM2					
	ACTLUSE_QY2					
	AGT_UOM_NM2					
	MNFCTR_NM2					
	ADI_TRADE_NM					
	ADI_ACTLUSE_QTY					
	ADI_AGT_UOM_NM					
	ADI_AGT_APP_RT					
	ADI_APP_UOM_NM					
	ADI_TRADE_NM2					
	ADI_ACTLUSE_QTY2					
	ADI_AGT_UOM_NM2					
	ADI_AGT_APP_RT2					
	ADI_APP_UOM_NM2					
	NOTES					
	BUFFER_M					
	BUFDIR					

Appendix C: NISIMS Data Dictionary Structure

In the NISIMS Data Dictionary, each field includes a prefix identified by the type of feature collected (i.e. pt = point, ln = line, py = polygon). Only the photo point fields do not include a prefix.

NISIMSpT			
All Data	ptACSMODE_NM	ptBIO_WNDMPH_ME	ptAPP_UOM_NM
ptBEGIN_DT	Infestation Land Uses	ptBIO_SL_MOIS_NM	ptACTLUSE_QY
ptEND_DT	<i>ptLandUses</i>	ptBIO_WNDDRCT_CD	ptAGT_UOM_NM
ptTEAM	ptLU_CTGY_NM	Chemical Data	Adjuvant Data
ptPARK_UNIT	ptLU_CTGY_NM2	ptTRT_BEG_TM	<i>ptadnum</i>
ptCLIENT	ptLU_CMT_TX	ptTRT_END_TM	ptADJ_TRADE_NM
ptRECORDER	TreatmentData	ptPUP_NR	ptADJ_ACTLUSE_QTY
ptROLE_NM	ptCMP_TY_NM	ptCARR_TY_NM	ptADJ_AGT_UOM_NM
ptBUFFER_M	ptAREA_TY_NM	ptMIXVOL_ME	ptAGT_APP_RT
ptLOC_NM	ptTEMP_TREAT_SITE	ptMIXUOM_NM	ptADJ_APP_UOM_NM
<i>ptSURVEY</i>	ptTRT_PHNLGY_NM	ptCHEM_RLSDRCT_TX	Fire Data
<i>ptInvasives</i>	ptTRT_DPC_TX	ptDLVR_NM	ptINTNSTY_NM
<i>ptTreatment</i>	ptTRT_PERSON_HR	ptPTRN_NM	ptFUELMDL_TX
<i>ptspeciesnum</i>	Biological Data	ptEQ_TY_NM	Manual Data
Species	ptBUP_NR	ptEQ_OUT_RT	ptMANL_CL_NM
ptSCNTFC_NM	ptBIO_SCNTFC_NM	ptEQ_UOM_NM	Mechanical Data
ptEST_CVR_RT	ptSPC_USE_QY	ptWTRDIST_TX	ptMECH_CL_NM
ptPHNLGY_NM	ptPRTCMTH_TX	ptCHEM_FA_AIR_ME	Restoration Data
ptINFSTN_QY	ptBIO_RLSDRCT_TX	ptP_AFTER_QY	<i>ptrestnum</i>
ptQY_UOM_NM	ptSPC_USE_QY	ptHUMID_RT	ptREST_CL_NM
ptTRT_QTY	ptPRTCMTH_TX	ptCHEM_WNDMPH_ME	Revegetation Data
SurveyData	ptBIO_RLSDRCT_TX	ptCHEM_SL_MOIS_NM	ptSTOCK_ME
ptWSA_TY_NM	ptSOURCE	ptPRECIP_NM	ptVEG_UOM_NM
ptSURV_DPC_TX	ptHSTMATL_NM	Chemical Agent Data	ptREVEG_PHNLGY_NM
ptSURV_PERSON_HR	ptLFCYCLE_NME	<i>ptchemnum</i>	ptSEEDLOT_NR
InfestationData	ptCLLCNTY_NM	ptTRADE_NM	ptRVG_SCNTFC_NM
ptQT_MTHD_TX	ptCOLLECT_DT	ptMNFCTR_NM	Notes
ptSPFC_TX	ptCLSTATE_CD	ptEPAREGNUM	ptNOTES
ptPHYSLMT_TX	ptBIO_FA_AIR_ME	ptAGT_APP_RT	

Bold fields are required.

Italicized fields provide function to the data dictionary, and do not contain NISIMS data.

NISIMSLn			
All Data	lnACSMODE_NM	lnBIO_SL_MOIS_NM	lnAGT_UOM_NM
lnBEGIN_DT	Infestation Land Uses	lnBIO_WNDDRCT_CD	Adjuvant Data
lnEND_DT	<i>lnLandUses</i>	Chemical Data	<i>lnadnum</i>
lnTEAM	lnLU_CTGY_NM	lnTRT_BEG_TM	lnADJ_TRADE_NM
lnPARK_UNIT	lnLU_CTGY_NM2	lnTRT_END_TM	lnADJ_ACTLUSE_QTY
lnCLIENT	lnLU_CMT_TX	lnPUP_NR	lnADJ_AGT_UOM_NM
lnRECORDER	TreatmentData	lnCARR_TY_NM	lnAGT_APP_RT
lnROLE_NM	lnCMP_TY_NM	lnMIXVOL_ME	lnADJ_APP_UOM_NM
lnBUFFER_M	lnAREA_TY_NM	lnMIXUOM_NM	Fire Data
lnBUFDIR	lnTEMP_TREAT_SITE	lnCHEM_RLSDRCT_TX	lnINTNSTY_NM
lnLOC_NM	lnTRT_PHNLGY_NM	lnDLVR_NM	lnFUELMDL_TX
<i>lnSURVEY</i>	lnTRT_DPC_TX	lnPTTRN_NM	Manual Data
<i>lnInvasives</i>	lnTRT_PERSON_HR	lnEQ_TY_NM	lnMANL_CL_NM
<i>lnTreatment</i>	Biological Data	lnEQ_OUT_RT	Mechanical Data
<i>lnspeciesnum</i>	lnBUP_NR	lnEQ_UOM_NM	lnMECH_CL_NM
Species	lnBIO_SCNTFC_NM	lnWTRDIST_TX	Restoration Data
lnSCNTFC_NM	lnSPC_USE_QY	lnCHEM_FA_AIR_ME	<i>lnrestnum</i>
lnEST_CVR_RT	lnPRTCMTH_TX	lnP_AFTER_QY	lnREST_CL_NM
lnPHNLGY_NM	lnBIO_RLSDRCT_TX	lnHUMID_RT	Revegetation Data
lnINFSTN_QY	lnSPC_USE_QY	lnCHEM_WNDMPH_ME	lnSTOCK_ME
lnQY_UOM_NM	lnPRTCMTH_TX	lnCHEM_SL_MOIS_NM	lnVEG_UOM_NM
lnTRT_QTY	lnBIO_RLSDRCT_TX	lnPRECIP_NM	lnREVEG_PHNLGY_NM
SurveyData	lnSOURCE	Chemical Agent Data	lnSEEDLOT_NR
lnWSA_TY_NM	lnHSTMATL_NM	<i>lnchemnum</i>	lnRVG_SCNTFC_NM
lnSURV_DPC_TX	lnLFCYCLE_NME	lnTRADE_NM	Notes
lnSURV_PERSON_HR	lnCLLCNTY_NM	lnMNFCTR_NM	lnNOTES
InfestationData	lnCOLLECT_DT	lnEPAREGNUM	
lnQT_MTHD_TX	lnCLSTATE_CD	lnAGT_APP_RT	
lnSPFC_TX	lnBIO_FA_AIR_ME	lnAPP_UOM_NM	
lnPHYSLMT_TX	lnBIO_WNDMPH_ME	lnACTLUSE_QY	

Bold fields are required.

Italicized fields provide function to the data dictionary, and do not contain NISIMS data.

NISIMSpy			
All Data	Infestation Land Uses	pyBIO_SL_MOIS_NM	pyACTLUSE_QY
pyBEGIN_DT	<i>pyLandUses</i>	pyBIO_WNDDRCT_CD	pyAGT_UOM_NM
pyEND_DT	pyLU_CTGY_NM	Chemical Data	Adjuvant Data
pyTEAM	pyLU_CTGY_NM2	pyTRT_BEG_TM	<i>pyadnum</i>
pyPARK_UNIT	pyLU_CMT_TX	pyTRT_END_TM	pyADJ_TRADE_NM
pyCLIENT	TreatmentData	pyPUP_NR	pyADJ_ACTLUSE_QTY
pyRECORDER	pyCMP_TY_NM	pyCARR_TY_NM	pyADJ_AGT_UOM_NM
pyROLE_NM	pyAREA_TY_NM	pyMIXVOL_ME	pyAGT_APP_RT
pyLOC_NM	pyTEMP_TREAT_SITE	pyMIXUOM_NM	pyADJ_APP_UOM_NM
<i>pySURVEY</i>	pyTRT_PHNLGY_NM	pyCHEM_RLSDRCT_TX	Fire Data
<i>pyInvasives</i>	pyTRT_DPC_TX	pyDLVR_NM	pyINTNSTY_NM
<i>pyTreatment</i>	pyTRT_PERSON_HR	pyPTTRN_NM	pyFUELMDL_TX
<i>pyspeciesnum</i>	Biological Data	pyEQ_TY_NM	Manual Data
Species	pyBUP_NR	pyEQ_OUT_RT	pyMANL_CL_NM
pySCNTFC_NM	pyBIO_SCNTFC_NM	pyEQ_UOM_NM	Mechanical Data
pyEST_CVR_RT	pySPC_USE_QY	pyWTRDIST_TX	pyMECH_CL_NM
pyPHNLGY_NM	pyPRTCMTH_TX	pyCHEM_FA_AIR_ME	Restoration Data
pyINFSTN_QY	pyBIO_RLSDRCT_TX	pyP_AFTER_QY	<i>Inrestman</i>
pyQY_UOM_NM	pySPC_USE_QY	pyHUMID_RT	pyREST_CL_NM
pyTRT_QTY	pyPRTCMTH_TX	pyCHEM_WNDMPH_ME	Revegetation Data
SurveyData	pyBIO_RLSDRCT_TX	pyCHEM_SL_MOIS_NM	pySTOCK_ME
pyWSA_TY_NM	pySOURCE	pyPRECIP_NM	pyVEG_UOM_NM
pySURV_DPC_TX	pyHSTMATL_NM	Chemical Agent Data	pyREVEG_PHNLGY_NM
pySURV_PERSON_HR	pyLFCYCLE_NME	<i>pychemnum</i>	pySEEDLOT_NR
InfestationData	pyCLLCNTY_NM	pyTRADE_NM	pyRVG_SCNTFC_NM
pyQT_MTHD_TX	pyCOLLECT_DT	pyMNFCTR_NM	Notes
pySPFC_TX	pyCLSTATE_CD	pyEPAREGNUM	pyNOTES
pyPHYSMT_TX	pyBIO_FA_AIR_ME	pyAGT_APP_RT	
pyACSMODE_NM	pyBIO_WNDMPH_ME	pyAPP_UOM_NM	

Bold fields are required.

Italicized fields provide function to the data dictionary, and do not contain NISIMS data.

PhotoPts
TEAM
PARK_UNIT
Photo Data
<i>photonum?</i>
PHOTO
PHOTODATE
PURPOSE
PHOTODEG

Bold fields are required.

Italicized fields provide function to the data dictionary, and do not contain NISIMS data.

Appendix D: Input Fields and Domains

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ProposedTreatmentData	APPL_YR_QY	Duration of Proposal	LONG			N	The number of years that treatment will be applied.
ProposedTreatmentData	PRP_TX	Comments	TEXT	200		N	Additional proposal comments.
ProposedTreatmentData	PR_ACRE_QY	Estimated Treated Acres	DOUBLE			N	The number of acres that are proposed for treatment. This is the acreage identified by the proposer, and not necessarily calculated from the size of the feature.
ProposedTreatmentData	PUP_NR	Pesticide Use Proposal Number	TEXT	50		N	The Pesticide Use Proposal Number that permits the treatment being proposed. For biological control treatments, the BUP (Biocontrol Use Proposal) number may be entered here. No PUP_NR is recorded for ProposedOtherTreatment feature classes. Please separate multiple PUPs by a semi-colon (;).
ProposedTreatmentData	TEAM	Team Code	TEXT	20	DomTeam	Y	Team that is proposing treatment. Team codes are maintained in a domain, but additional teams may be added as needed by contacting the WASO data manager.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ProposedTreatmentData	PARK_UNIT	Park Unit Code	TEXT	4	DomParkUnit	Y	4-letter park unit code where the treatment is being proposed to occur. Park unit codes are maintained in a domain.
ProposedTreatmentData	CLIENT	Client	TEXT	50		N	Name of client for whom work is being done if not NPS
ProposedTreatmentData	NR_APPL	Number Applications	SHORT			N	Number of applications proposed to occur each year of treatment.
ProposedTreatmentData	LOC_NM	Location Name	TEXT	100		Y	Brief location name used to identify the infestation. This should be the same name assigned to site in the WeedSurvey/WeedInfestation feature classes.
ProposedTreatmentData	TIMEFRAME	Timeframe	TEXT	20		N	Period of time during the calendar that treatment will occur.
ProposedTreatmentData	PRP_DATE	Proposal Date	DATE			Y	Proposal initiation date, recorded as date and time.
ProposedTreatmentData	NONTRGT_TX	Non Target Vegetation	TEXT	200		N	Non-target vegetation that may be affected by treatment proposed to be conducted.
ProposedTreatmentData	IPM_TX	Integrated Pest Management	TEXT	200		N	Description of how the proposed treatment contributes to Integrated Pest Management.
ProposedTreatmentData	DPS_TX	Desired Plant Species	TEXT	200		N	The plant community that is desired at the treated site.
ProposedTreatmentData	ORIG_LE	Originator LE ID	TEXT	50		N	Person who wrote the proposal document. Initials or full name may be entered.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ProposedTreatmentData	ORIG_APPDT	Originator Date	DATE			N	Date that the proposal document was written, recorded as date and time.
ProposedTreatmentData	REVIEWER_LE	Reviewer LE ID	TEXT	50		N	Person who reviewed the proposal document. Initials or full name may be entered.
ProposedTreatmentData	REV_APPCD	Reviewer Approval Code	TEXT	50	Proposal_Approval_Code	N	Outcome of proposal document review, selected from a domain.
ProposedTreatmentData	REV_APPDT	Reviewer Approval Date	DATE			N	Date of review, recorded as date and time.
ProposedTreatmentData	PARK_LE	Park LE ID	TEXT	50		N	Person at the park-level who reviews the proposal. Initials or full name may be entered.
ProposedTreatmentData	PARK_APPCD	Park Approval Code	TEXT	50	Proposal_Approval_Code	N	Outcome of park review, selected from a domain.
ProposedTreatmentData	PARK_APPDT	Park Approval Date	DATE			N	Date of park review, recorded as date and time.
ProposedTreatmentData	REG_LE	Regional IPM Coordinator LE ID	TEXT	50		N	Regional IPM Coordinator who reviews the proposal. Initials or full name may be entered.
ProposedTreatmentData	REG_APPCD	Regional IPM Coordinator Approval Code	TEXT	50	Proposal_Approval_Code	N	Outcome of Regional IPM Coordinator review, selected from a domain.
ProposedTreatmentData	REG_APPDT	Regional IPM Coordinator Approval Date	DATE			N	Date of Regional IPM Coordinator review, recorded as date and time.
ProposedTreatmentData	WASO_LE	WASO IPM Program Manager LE ID	TEXT	50		N	WASO IPM Program manager who reviews the proposal. Initials or full name may be used.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ProposedTreatmentData	WASO_APPCD	WASO IPM Program Manager Approval Code	TEXT	50	Proposal_Approval_Code	N	Outcome of WASO IPM Program Manager review, selected from a domain.
ProposedTreatmentData	WASO_APPDT	WASO IPM Program Manager Approval Date	DATE			N	Date of WASO IPM Program Manager review, recorded as date and time.
ProposedTreatmentData	ORIG_CM_TX	Originator Comment	TEXT	100		N	Additional originator comments.
ProposedTreatmentData	REV_CM_TX	Reviewer Comment	TEXT	100		N	Additional reviewer comments.
ProposedTreatmentData	PARK_CM_TX	Park Comment	TEXT	100		N	Additional park reviewer comments.
ProposedTreatmentData	REG_CM_TX	Regional IPM Coordinator Comment	TEXT	100		N	Additional Regional IPM coordinator comments.
ProposedTreatmentData	DIR_CM_TX	WASO IPM Program Manager Comment	TEXT	100		N	Additional WASO IPM Program Manager comments.
ProposedTreatmentData	COOP_PERS	Cooperator	TEXT	50		N	Proposed cooperator.
ProposedTreatmentData	SCNTFC_CD	Scientific Name Code	TEXT	10	domSCNTFC_CD	Y	USDA PLANTS code of the species being proposed for treatment, codes are selected from a domain.
ProposedTreatmentData	SCNTFC_CD2	Scientific Name Code 2	TEXT	10	domSCNTFC_CD	N	USDA PLANTS code of the second species being proposed for treatment, codes are selected from a domain. REQUIRED if a second species is being proposed for treatment.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ProposedTreatmentData	SCNTFC_CD3	Scientific Name Code 3	TEXT	10	domSCNTFC_CD	N	USDA PLANTS code of the third species being proposed for treatment, codes are selected from a domain. REQUIRED if a third species is being proposed for treatment.
ProposedTreatmentData	SCNTFC_CD4	Scientific Name Code 4	TEXT	10	domSCNTFC_CD	N	USDA PLANTS code of the fourth species being proposed for treatment, codes are selected from a domain. REQUIRED if a fourth species is being proposed for treatment.
ProposedTreatmentData	SCNTFC_CD5	Scientific Name Code 5	TEXT	10	domSCNTFC_CD	N	USDA PLANTS code of the fifth species being proposed for treatment, codes are selected from a domain. REQUIRED if a fifth species is being proposed for treatment.
ProposedTreatmentData	NEPA_NR	NEPA Reference Number	TEXT	30		N	Reference number of NEPA action related to treatment.
ProposedTreatmentData	BUFFER_M	Buffer Distance in Meters	DOUBLE			Y	REQUIRED for line and point features, distance survey occurred out from line/point mapped.
ProposedTreatmentData	BUFDIR	Buffer Direction	TEXT	10	DomBUFDIR	Y	REQUIRED for line features, direction from mapped line that survey occurred, selected from domain.
ProposedBiologicalTreatment	RLSITE_TX	Release Site	TEXT	200		N	Site of biocontrol species release.
ProposedBiologicalTreatment	CAUTION_TX	Steps Taken to Ensure That Release Sites are Protected	TEXT	200		N	Precautionary measures used to protect release sites, selected from a domain.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ProposedBiologicalTreatment	SPC_USE_QY	Number Released	LONG			N	Number of biocontrol individuals released.
ProposedBiologicalTreatment	HSTMATL_NM	Host Material	TEXT	40		N	The host material that came with the biocontrol species.
ProposedBiologicalTreatment	PRMT_DT	Transfer Permit Received Date	DATE			N	Date the transfer permit was received, recorded as date and time.
ProposedBiologicalTreatment	PRMTREQ_FL	Transfer Permit Required Flag	TEXT	1	Yes_No_Code	N	Yes/no, denotes whether a transfer permit was required.
ProposedBiologicalTreatment	LFCYCLE_NM	Agent Life Cycle	TEXT	20	Agent_Life_Cycle_Name	N	Predominant state or stage of biocontrol agent being released.
ProposedBiologicalTreatment	CLLCNTY_NM	Collection County	TEXT	50		N	County of biocontrol agent collection.
ProposedBiologicalTreatment	CLSTATE_CD	Collection State	TEXT	2	DomStateCD	N	State code of biocontrol agent collection, selected from a domain.
ProposedBiologicalTreatment	BIO_SCNTFC_CD	Scientific Name Code	TEXT	10	domApprovBioControl	Y	Biocontrol agent species code, selected from a domain.
ProposedBiologicalTreatment	PRMT_NR	Transfer Permit Number	TEXT	15		N	Biocontrol agent transfer permit number.
ProposedChemicalTreatment	DLVR_NM	Delivery Method	TEXT	10	Treatment_Delivery_Method_Type_Name	N	Method used to apply the treatment, selected from a domain.
ProposedChemicalTreatment	PTTRN_NM	Treatment Coverage Pattern Name	TEXT	10	Treatment_Coverage_Pattern_Type_Name	N	Chemical coverage pattern, selected from a domain.
ProposedChemicalTreatment	TRADE_NM	Trade Name	TEXT	40		Y	Manufacturer's trade name of the pesticide proposed.
ProposedChemicalTreatment	MNFCTR_NM	Manufacturer	TEXT	30	Manufacturer_Name	N	Name of the pesticide manufacturer, selected from a domain.
ProposedChemicalTreatment	SITE_TX	Release Site	TEXT	50	Treatment_Site_Type_Name	N	Type of site where the chemical is released, selected from a domain.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ProposedChemicalTreatment	APP_RT_TX	Application Rate from Label	TEXT	30	Application_Rate_UOM_Type_Name	N	Units for the application rate as identified by the pesticide label, selected from a domain. REQUIRED if APP_AMT_LOW and/or APP_AMT_HIGH are populated.
ProposedChemicalTreatment	APP_AMT_LOW	Application Amount - Low	DOUBLE			N	Proposed low end application rate. APP_RT_TX must be populated.
ProposedChemicalTreatment	APP_AMT_HIGH	Application Amount - High	DOUBLE			N	Proposed high end application rate. APP_RT_TX must be populated.
ProposedChemicalTreatment	TRT_ID	Overseer LE ID	TEXT	50		N	Person who will be overseeing treatment. Initials or full name may be used.
ProposedChemicalTreatment	ROLE_NM	Role Name	TEXT	20	Role_Name	N	Role the overseer plays, selected from a domain.
ProposedChemicalTreatment	CERT_NR	License Number	TEXT	50		N	Overseers certification license number.
ProposedChemicalTreatment	TRADE_NM2	Trade Name 2	TEXT	40		N	Manufacturer's trade name of the second pesticide proposed. Required if a second pesticide is proposed.
ProposedChemicalTreatment	MNFCTR_NM2	Manufacturer 2	TEXT	30	Manufacturer_Name	N	Name of the second pesticide manufacturer, selected from a domain.
ProposedChemicalTreatment	APP_RT_TX2	Application Rate from Label 2	TEXT	30	Application_Rate_UOM_Type_Name	N	Units for the application rate as identified by the second pesticide label, selected from a domain. REQUIRED if APP_AMT_LOW2 and/or APP_AMT_HIGH2 are populated.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ProposedChemicalTreatment	APP_AMT_LOW2	Application Amount - Low 2	DOUBLE			N	Proposed low end application rate for the second pesticide. APP_RT_TX2 must be populated.
ProposedChemicalTreatment	APP_AMT_HIGH2	Application Amount - High 2	DOUBLE			N	Proposed high end application rate for the second pesticide. APP_RT_TX2 must be populated.
TreatmentData	AREA_TY_NM	Treatment Area Physical Type Name	TEXT	30	Treatment_Area_Physical_Type_Name	N	Description of the physical characteristics of a site, selected from a domain.
TreatmentData	TEMP_TREAT_SITE	Treatment Site Category	TEXT	50	Treatment_Site_Type_Name	N	Type of site on which treatment is occurring.
TreatmentData	LOC_NM	Location Name	TEXT	100		Y	Brief location name used to identify the infestation. This should be the same name assigned to the site in the WeedSurvey/WeedInfestation feature classes.
TreatmentData	TEAM	Team Code	TEXT	20	DomTeam	Y	Team that conducted treatment. Team codes are maintained in a domain, but additional teams may be added as needed by contacting the WASO data manager.
TreatmentData	PARK_UNIT	Park Unit Code	TEXT	4	DomParkUnit	Y	4-letter park unit code where the treatment occurred. Park unit codes are maintained in a domain.
TreatmentData	CLIENT	Client	TEXT	50		N	Name of client for whom work is being done if not NPS.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
TreatmentData	RECORDER	Recorder Name	TEXT	50		Y	Person recording data. Initials or name may be used.
TreatmentData	ROLE_NM	Role Name	TEXT	20	Role_Name	N	Recorder's role in the collection of exotic plant data, selected from a domain.
TreatmentData	TRT_BEG_DT	Start Date	DATE			Y	Date treatment began.
TreatmentData	TRT_END_DT	Completion Date	DATE			N	Date treatment was completed.
TreatmentData	PHNLGY_NM	Phenology	TEXT	20	Plant_Phenology_Name	N	Predominant state or stage of the exotic plants being treated, selected from a domain.
TreatmentData	DPC_TX	Desired Community Text	TEXT	100		N	Description of the desired plant community.
TreatmentData	SCNTFC_CD	Treatment Species	TEXT	10	domSCNTFC_CD	Y	USDA PLANTS code of the species being treated, selected from a domain.
TreatmentData	SCNTFC_NM (Data Dictionary Only)	Treatment Species	TEXT			Y	USDA PLANTS species name of the species being treated, selected from a species list.
TreatmentData	EST_CVR_RT	Percent Cover	DOUBLE			Y	Estimated percent cover of the species treated. Only percent values should be entered (i.e. 33.3, not .333). Cover rates may be calculated as the midpoint of a range of percent values.
TreatmentData	TRT_QTY	Number of Species 1 Plants Treated	LONG			N	Number of Species 1 plants treated.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
TreatmentData	SCNTFC_CD2	Treatment Species 2	TEXT	10	domSCNTFC_CD	N	USDA PLANTS code of the second species being treated, selected from a domain. REQUIRED if a second species was treated.
TreatmentData	SCNTFC_NM2 (Data Dictionary Only)	Treatment Species 2	TEXT			Y	USDA PLANTS species name of the second species being treated, selected from a species list. REQUIRED if a second species was treated.
TreatmentData	EST_CVR_RT2	Percent Cover 2	DOUBLE			N	Estimated percent cover the second species treated. Only percent values should be entered (i.e. 33.3, not .333). Cover rates may be calculated as the midpoint of a range of percent values. REQUIRED if a second species was treated.
TreatmentData	TRT_QTY2	Number of Species 2 Plants Treated	LONG			N	Number of Species 2 plants treated.
TreatmentData	SCNTFC_CD3	Treatment Species 3	TEXT	10	domSCNTFC_CD	N	USDA PLANTS code of the third species being treated, selected from a domain. REQUIRED if a third species was treated.
TreatmentData	SCNTFC_NM3 (Data Dictionary Only)	Treatment Species 3	TEXT			Y	USDA PLANTS species name of the third species being treated, selected from a species list. REQUIRED if a third species was treated.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
TreatmentData	EST_CVR_RT3	Percent Cover 3	DOUBLE			N	Estimated percent cover the third species treated. Only percent values should be entered (i.e. 33.3, not .333). Cover rates may be calculated as the midpoint of a range of percent values. REQUIRED if a third species was treated.
TreatmentData	TRT_QTY3	Number of Species 3 Plants Treated	LONG			N	Number of Species 3 plants treated.
TreatmentData	SCNTFC_CD4	Treatment Species 4	TEXT	10	domSCNTFC_CD	N	USDA PLANTS code of the fourth species being treated, selected from a domain. REQUIRED if a fourth species was treated.
TreatmentData	SCNTFC_NM4 (Data Dictionary Only)	Treatment Species 4	TEXT			Y	USDA PLANTS species name of the fourth species being treated, selected from a species list. REQUIRED if a fourth species was treated.
TreatmentData	EST_CVR_RT4	Percent Cover 4	DOUBLE			N	Estimated percent cover the fourth species treated. Only percent values should be entered (i.e. 33.3, not .333). Cover rates may be calculated as the midpoint of a range of percent values. REQUIRED if a fourth species was treated.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
TreatmentData	TRT_QTY4	Number of Species 4 Plants Treated	LONG			N	Number of Species 4 plants treated.
TreatmentData	SCNTFC_CD5	Treatment Species 5	TEXT	10	domSCNTFC_CD	N	USDA PLANTS code of the fifth species being treated, selected from a domain. REQUIRED if a fifth species was treated.
TreatmentData	SCNTFC_NM5 (Data Dictionary Only)	Treatment Species 5	TEXT			Y	USDA PLANTS species name of the fifth species being treated, selected from a species list. REQUIRED if a fifth species was treated.
TreatmentData	EST_CVR_RT5	Percent Cover	DOUBLE			N	Estimated percent cover the fifth species treated. Only percent values should be entered (i.e. 33.3, not .333). Cover rates may be calculated as the midpoint of a range of percent values. REQUIRED if a fifth species was treated.
TreatmentData	TRT_QTY5	Number of Species 5 Plants Treated	LONG			N	Number of Species 5 plants treated.
TreatmentData	PERSON_HR	Total Person Hours	DOUBLE			N	Total person hours expended during treatment.
TreatmentData	NOTES	Notes	TEXT	255		N	Additional comments and notes.
TreatmentData	BUFFER_M	Buffer Distance in Meters	DOUBLE			Y	REQUIRED for line and point features, distance survey occurred out from line/point mapped

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
TreatmentData	BUFDIR	Buffer Direction	TEXT	10	DomBUFDIR	Y	REQUIRED for line features, direction from mapped line that survey occurred, selected from domain.
BiologicalComponent	BUP_NR	Biocontrol Use Proposal Number	TEXT	20		N	Biocontrol Use Proposal Number related to the treatment being performed.
BiologicalComponent	BIO_SCNTFC_CD	Bio Control Species	TEXT	10	domApprovBioControl	Y	Code for the biocontrol species being used for treatment, selected from a domain.
BiologicalComponent	SPC_USE_QY	Number of Specimens Used	LONG			N	Number of biocontrol individuals used for treatment.
BiologicalComponent	PRTCMTH_TX	Treatment Agent Protection Method Text	TEXT	30	Protection_Method_Text	N	Description of measures taken to protect the biocontrol agent, selected from a domain.
BiologicalComponent	RLSDRCT_TX	Treatment Agent Release Direction Text	TEXT	3	Treatment_Wind_Direction Code	N	Direction the biocontrol agent was released, selected from a domain.
BiologicalComponent	SOURCE	Bio Control Agent Source	TEXT	50		N	Source of the biocontrol agent.
BiologicalComponent	HSTMATL_NM	Biological Agent Host Material Name	TEXT	40		N	Host material provided with the biocontrol agent.
BiologicalComponent	LFCYCLE_NM	Agent Life Cycle	TEXT	20	Agent_Life_Cycle_Name	N	Predominant state or stage of the biocontrol agent, selected from a domain.
BiologicalComponent	CLLCNTY_NM	Collection County	TEXT	50		N	County where the biocontrol agent was collected.
BiologicalComponent	COLLECT_DT	Collection Date	DATE			N	Date of biocontrol agent collection, recorded as date and time.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
BiologicalComponent	CLSTATE_CD	Collection State	TEXT	2	DomStateCD	N	State where the biocontrol agent was collected.
BiologicalComponent	FA_AIR_ME	Temperature	DOUBLE			N	Air temperature in Fahrenheit recorded at start of treatment.
BiologicalComponent	WNDMPH_ME	Wind Speed	DOUBLE			N	Wind velocity at the time treatment was performed.
BiologicalComponent	SL_MOIS_NM	Soil Surface Moisture Type Name	TEXT	20	Treatment_Soil_Surface_Moisture_Type_Name	N	Type of soil moisture at the time treatment was performed, selected from a domain.
BiologicalComponent	WNDDRCT_CD	Wind Direction	TEXT	3	Treatment_Wind_Direction Code	N	Code for wind direction at the time of treatment, selected from a domain.
ChemicalComponent	MIXUOM_NM	Carrier UOM	TEXT	20	Chemical_Component_Carrier_UOM_Type_Name	Y	Units of carrier volume used, selected from a domain. Formerly CARRUOM_NM.
ChemicalComponent	MIXVOL_ME	Total Mix Volume	DOUBLE			Y	Volume of the carrier used. Formerly CARRVOL_ME.
ChemicalComponent	CARR_TY_NM	Carrier	TEXT	10	Chemical_Component_Carrier_Type_Name	Y	Carrier used during treatment, such as water or oil, selected from a domain.
ChemicalComponent	RLSDRCT_TX	Application Direction	TEXT	3	Treatment_Wind_Direction Code	N	Direction of chemical release, selected from a domain.
ChemicalComponent	PUP_NR	Pesticide Use Proposal Number	TEXT	50		N	The Pesticide Use Proposal Number that permits the treatment being conducted. Please separate multiple PUPs by a semi-colon (;).
ChemicalComponent	DLVR_NM	Delivery Method	TEXT	10	Treatment_Delivery_Method_Type_Name	Y	Method used to apply the treatment, selected from a domain.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ChemicalComponent	PTTRN_NM	Treatment Coverage Pattern Type Name	TEXT	10	Treatment_Coverage_Pattern_Type_Name	Y	Chemical coverage pattern, selected from a domain.
ChemicalComponent	WTRDIST_TX	Distance to Water	TEXT	30	Treatment_Distance_To_Water	N	Distance from water treatment was applied, selected from a domain.
ChemicalComponent	TRT_BEG_TM	Start Time	DATE			Y	Time treatment began.
ChemicalComponent	TRT_END_TM	End Time	DATE			N	Time treatment was completed.
ChemicalComponent	EQ_OUT_RT	Calibration Rate	DOUBLE			N	Equipment calibration rate calculated prior to treatment. EQ_UOM_NM field must be populated if EQ_OUT_RT is populated to identify units of measurement.
ChemicalComponent	EQ_UOM_NM	Calibration UOM	TEXT	20	Equipment_Output_UOM_Type_Name	N	Units of measurement for the calibration rate, selected from a domain. REQUIRED if EQ_OUT_RT is populated.
ChemicalComponent	EQ_TY_NM	Equipment Type Name	TEXT	20	Equipment_Type_Name	N	Type of equipment used during treatment, selected from a domain.
ChemicalComponent	FA_AIR_ME	Temperature	DOUBLE			N	Air temperature in Fahrenheit recorded at start of treatment.
ChemicalComponent	P_AFTER_QY	Estimated Elapsed Time After Treatment Hours QTY	DOUBLE			N	Estimated number of hours after treatment that precipitation occurs.
ChemicalComponent	HUMID_RT	Relative Humidity	DOUBLE			N	Relative humidity during treatment.
ChemicalComponent	WNDMPH_ME	Wind Speed	DOUBLE			N	Wind velocity at the time treatment was performed.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ChemicalComponent	SL_MOIS_NM	Soil Surface Moisture Type Name	TEXT	20	Treatment_Soil_Surface_Moisture_Type_Name	N	Type of soil moisture at the time treatment was performed, selected from a domain.
ChemicalComponent	PRECIP_NM	Precipitation Type Name	TEXT	10	Treatment_Precipitation_Type_Name	N	Type of precipitation that occurred, selected from a domain.
ChemicalComponent	WNDDRCT_CD	Wind Direction	TEXT	3	Treatment_Wind_Direction Code	N	Code for wind direction at the time of treatment, selected from a domain.
ChemicalComponent	TRADE_NM	Trade Name	TEXT	40		Y	Manufacturer's trade name of the pesticide used.
ChemicalComponent	MNFCTR_NM	Manufacturer	TEXT	30	Manufacturer_Name	N	Name of manufacturer that produces the control agent used during treatment, selected from a domain.
ChemicalComponent	EPAREGISTRATION NUMBER	EPA Registration Number	TEXT	50		Y	EPA registration number for the chemical used
ChemicalComponent	AGT_APP_RT	Application Rate	DOUBLE			N	The rate of control agent being applied during treatment. If not populated, will be calculated as ACTLUSE_QY/ESTACRE_ME if PTTRN_NM ≠ "BROADCAST". If PTTRN_NM = "BROADCAST", then calculated as ACTLUSE_QY/CLCACRE_ME. REQUIRED if ACTLUSE_QY is not populated.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ChemicalComponent	APP_UOM_NM	Application Rate UOM	TEXT	30	Application_Rate_UOM_Type_Name	N	Unit of measure for the quantity of chemical agent used. If not populated, will be calculated as AGT_UOM_NM “PER ACRE”. REQUIRED if ACTLUSE_QY is populated.
ChemicalComponent	ACTLUSE_QY	Agent Amount	DOUBLE			N	Quantity of control agent used. If not populated, will be calculated as AGT_APP_RT/100 if APP_UOM_NM = “PERCENT SOLUTION” or as AGT_APP_RT*ESTACRE_ME if APP_UOM_NM ≠ “PERCENT SOLUTION”. If PTRN_NM = “BROADCAST”, then ACTLUSE_QY is calculated as AGT_APP_RT*CLCACRE_ME. REQUIRED if AGT_APP_RT is not populated.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ChemicalComponent	AGT_UOM_NM	Agent Quantity UOM	TEXT	30	Chemical_Agent_UOM_Type_Name	N	Unit of measure for the quantity of chemical agent used. If not populated, will be calculated from APP_UOM_NM if APP_UOM_NM ≠ "PERCENT SOLUTION" or CARRUOM_NM if APP_UOM_NM = "PERCENT SOLUTION". REQUIRED if ACTLUSE_QY is populated.
ChemicalComponent	TRADE_NM2	Trade Name 2	TEXT	40		N	Manufacturer's trade name of the second pesticide used. REQUIRED if second pesticide was used.
ChemicalComponent	MNFCTR_NM2	Manufacturer 2	TEXT	30	Manufacturer_Name	N	Name of manufacturer that produces the second control agent used during treatment, selected from a domain.
ChemicalComponent	EPAREGISTRATION NUMBER2	EPA Registration Number 2	TEXT	50		N	EPA registration number for the chemical used. REQUIRED if second pesticide was used.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ChemicalComponent	AGT_APP_RT2	Application Rate 2	DOUBLE			N	The rate of second control agent being applied during treatment. If not populated, will be calculated as ACTLUSE_QY/ESTACRE_ME if PTTRN_NM ≠ "BROADCAST". If PTTRN_NM = "BROADCAST", then calculated as ACTLUSE_QY/CLCACRE_ME. REQUIRED if ACTLUSE_QY is not populated.
ChemicalComponent	APP_UOM_NM2	Application Rate UOM 2	TEXT	30	Application_Rate_UOM_Type_Name	N	Unit of measure for the quantity of second chemical agent used. If not populated, will be calculated as AGT_UOM_NM "PER ACRE". REQUIRED if ACTLUSE_QY is populated.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ChemicalComponent	ACTLUSE_QY2	Agent Amount	DOUBLE			N	Quantity of second control agent used. If not populated, will be calculated as AGT_APP_RT/100 if APP_UOM_NM = "PERCENT SOLUTION" or as AGT_APP_RT*ESTACRE_ME if APP_UOM_NM ≠ "PERCENT SOLUTION". If PTRN_NM = "BROADCAST", then ACTLUSE_QY is calculated as AGT_APP_RT*CLCACRE_ME. REQUIRED if AGT_APP_RT is not populated.
ChemicalComponent	AGT_UOM_NM	Agent Quantity UOM	TEXT	30	Chemical_Agent_UOM_Type_Name	N	Unit of measure for the quantity of second chemical agent used. If not populated, will be calculated from APP_UOM_NM if APP_UOM_NM ≠ "PERCENT SOLUTION" or CARRUOM_NM if APP_UOM_NM = "PERCENT SOLUTION". REQUIRED if ACTLUSE_QY is populated.
ChemicalComponent	ADJ_TRADE_NM	Adjuvant Trade Name	TEXT	50		N	Manufacturer's trade name of the adjuvant used during treatment.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ChemicalComponent	ADJ_ACTLUSE_QTY	Agent Amount	DOUBLE			N	Quantity of adjuvant used during treatment. If populated, then ADJ_AGT_UOM_NM must also be populated to identify units of measure.
ChemicalComponent	ADJ_AGT_UOM_NM	Agent UOM	TEXT	30	Chemical_Agent_UOM_Type_Name	N	Unit of measure of adjuvant quantity used. REQUIRED if ADJ_ACTLUSE_QTY is populated.
ChemicalComponent	ADJ_AGT_APP_RT	Application Rate	DOUBLE			N	Rate of adjuvant applied for the treatment. If populated, then ADJ_APP_UOM_NM must be populated.
ChemicalComponent	ADJ_APP_UOM_NM	Application Rate UOM	TEXT	30	Application_Rate_UOM_Type_Name	N	Unit of measure of the adjuvant application rate. REQUIRED if ADJ_AGT_APP_RT is populated.
ChemicalComponent	ADJ_ACTLUSE_QTY 2	Agent Amount 2	DOUBLE			N	Quantity of second adjuvant used during treatment. If populated, then ADJ_AGT_UOM_NM2 must also be populated to identify units of measure.
ChemicalComponent	ADJ_ACTLUSE_QTY 2	Agent Amount 2	DOUBLE			N	Quantity of second adjuvant used during treatment. If populated, then ADJ_AGT_UOM_NM2 must also be populated to identify units of measure.
ChemicalComponent	ADJ_AGT_UOM_NM 2	Agent UOM 2	TEXT	30	Chemical_Agent_UOM_Type_Name	N	Unit of measure of second adjuvant quantity used. REQUIRED if ADJ_ACTLUSE_QTY2 is populated.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
ChemicalComponent	ADJ_AGT_APP_RT2	Application Rate 2	DOUBLE			N	Rate of second adjuvant applied for the treatment. If populated, then ADJ_APP_UOM_NM must be populated.
ChemicalComponent	ADJ_APP_UOM_NM2	Application Rate UOM 2	TEXT	30	Application_Rate_UOM_Type_Name	N	Unit of measure of the second adjuvant application rate. REQUIRED if ADJ_AGT_APP_RT is populated.
Additional chemical information may be required by the states. Please, contact your state to identify what additional data may be required.							
FireComponent	INTNSTY_NM	Burn Intensity	TEXT	30	Burn_Intensity_Type_Name	Y	Description of the intensity of the fire, selected from a domain.
FireComponent	FUELMDL_TX	Fuel Model	TEXT	40	Fuel_Model_Text	N	Combustible materials used or consumed during burn, selected from a domain.
ManualComponent	MANL_CL_NM	Manual Treatment Class	TEXT	30	Manual_Component_Class_Name	Y	Type of manual treatment conducted, selected from a domain.
MechanicalComponent	MECH_CL_NM	Mechanical Treatment Class	TEXT	30	Mechanical_Component_Class_Name	Y	Type of mechanical treatment conducted, selected from a domain.
RestorationComponent	REST_CL_NM	Restoration Class	TEXT	40	Restoration_Component_Class_Name	Y	Type of restoration activity conducted, selected from a domain.
RestorationComponent	REST_CL_NM2	Second Restoration Class	TEXT	40	Restoration_Component_Class_Name	N	Type of restoration activity conducted, selected from a domain.
RestorationComponent	REST_CL_NM3	Third Restoration Class	TEXT	40	Restoration_Component_Class_Name	N	Type of restoration activity conducted, selected from a domain.
RestorationComponent	REST_CL_NM4	Fourth Restoration Class	TEXT	40	Restoration_Component_Class_Name	N	Type of restoration activity conducted, selected from a domain.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
RestorationComponent	REST_CL_NM5	Fifth Restoration Class	TEXT	40	Restoration_Component_Class_Name	N	Type of restoration activity conducted, selected from a domain.
RevegetationComponent	STOCK_ME	Plant Stocking Measurement	DOUBLE			Y	The amount of seeds or plants used to stock a revegetation site.
RevegetationComponent	VEG_UOM_NM	UOM Type Name	TEXT	20	Unit_Of_Measurement_Type_Name	Y	Unit of measure of the amount of seeds and plants used to stock a revegetation site, selected from a domain.
RevegetationComponent	REVEG_PHNLGY_NM	Revegetation Phenology	TEXT	20	Revegetation_Phenology_Name	N	Predominant state or stage of the seeds or plants being used to revegetate the infestation, selected from a domain.
RevegetationComponent	SEEDLOT_NR	Seedlot Number	TEXT	20		N	Number assigned by the vendor identifying the seedlot used to revegetate an infestation. Number may also be assigned by the team. REQUIRED if RVG_SCNTFC_CD is not populated.
RevegetationComponent	RVG_SCNTFC_CD	Revegetation Species	TEXT	10	Reveg_SCNTFC_CD	N	USDA PLANTS code of the plant species being used to revegetate an infestation, selected from a domain. REQUIRED if SEEDLOT_NR is not populated.
WeedInfestation	QT_MTHD_TX	Plant Quantity Method Text	TEXT	30	Plant_Quantity_Method_Text	N	Method used to determine the number of plants present for the species being inventoried. Method is selected from a domain.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
WeedInfestation	INFSTN_QY	Plants Quantity	DOUBLE			N	Number of plants discovered during inventory. QY_UOM_NM must also be populated with INFSTN_QY in order to identify units.
WeedInfestation	QY_UOM_NM	Plant Quantity UOM Type Name	TEXT	20	Plant_Quantity_UOM_Type_Name	N	Units of plant quantity inventoried (e.g. per acre, per square meter, etc.). This field must be populated if INFSTN_QY is populated. Units are selected from a domain.
WeedInfestation	EST_CVR_RT	Percent Cover	DOUBLE			Y	Estimated percent cover the species inventoried. Only percent values should be entered (i.e. 33.3, not .333). Cover rates may be calculated as the midpoint of a range of percent values. This field is used to calculate infestation net acreage from the gross acreage (calculated from the size of the feature).
WeedInfestation	SPFC_TX	Specific Weed Infested Area	TEXT	100		N	Detailed description of the weed infestation area.
WeedInfestation	BEGIN_DT	Data Currency Begin Date	DATE			Y	Begin date of inventory, recorded as date and time. Identifies the date the inventory data was current. If new data becomes available, END_DT will be populated.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
WeedInfestation	PHNLGY_NM	Plant Phenology Name	TEXT	20	Plant_Phenology_Name	N	The predominant state or stage of the plants inventoried, selected from a domain.
WeedInfestation	PHYSLMT_TX	Physical Access Limmitation Text	TEXT	100		N	Description of conditions that may limit physical access of a site.
WeedInfestation	ACSMODE_NM	Physical Access Mode Name	TEXT	20	Physical_Access_Mode_Name	N	Method by which the infestation site is accessed, selected from a domain.
WeedInfestation	SCNTFC_CD	Scientific Name Code	TEXT	10	domSCNTFC_CD	Y	USDA PLANTS code of the species being surveyed, codes are selected from a domain. Only one species may be recorded for each WeedInfestationData feature.
WeedInfestation	SCNTFC_NM (Data Dictionary Only)	Scientific Name	TEXT			Y	USDA PLANTS species name of the species being surveyed, selected from a species list. Multiple species may be recorded using the data dictionary.
WeedInfestation	RECORDER	Recorder Name	TEXT	20		Y	Person recording data. Initials or name may be used.
WeedInfestation	ROLE_NM	Role Name	TEXT	50	Role_Name	N	Recorder's role in the collection of exotic plant data, selected from a domain.
WeedInfestation	TEAM	Team Code	TEXT	20	DomTeam	Y	Team that conducted the inventory. Team codes are maintained in a domain, but additional teams may be added as needed by contacting the WASO data manager.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
WeedInfestation	PARK_UNIT	Park Unit Code	TEXT	4	DomParkUnit	Y	4-letter park unit code where the data was collected. Park unit codes are maintained in a domain.
WeedInfestation	CLIENT	Client	TEXT	50		N	Name of client for whom work is being done if not NPS.
WeedInfestation	LOC_NM	Location Name	TEXT	100		Y	Brief location name used to identify the infestation.
WeedInfestation	LU_CTGY_NM	Land Use Category	TEXT	40	Land_Use_Category_Name	N	Land use category at the infestation site, selected from a domain.
WeedInfestation	LU_CMT_TX	Land Use Comment Text	TEXT	50		N	Additional land use description/comments.
WeedInfestation	LU_CTGY_NM2	Land Use Category Name	TEXT	40	Land_Use_Category_Name	N	Second land use category at the infestation site, selected from a domain.
WeedInfestation	NOTES	Notes	TEXT	255		N	Additional comments and notes.
WeedInfestation	BUFFER_M	Buffer Distance in Meters	DOUBLE			Y	REQUIRED for line and point features, distance survey occurred out from line/point mapped.
WeedInfestation	BUFDIR	Buffer Direction	TEXT	10	DomBUFDIR	Y	REQUIRED for line features, direction from mapped line that survey occurred, selected from domain.
WeedSurvey	BEGIN_DT	Weed Survey Begin Date	DATE			Y	REQUIRED, Survey begin date, recorded as date and time.
WeedSurvey	END_DT	Survey Completion Date	DATE			N	Survey completion date, recorded as date and time.
WeedSurvey	LOC_NM	Location Name	TEXT	100		Y	Brief location name used to identify the infestation.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
WeedSurvey	WSA_TY_NM	Survey Method	TEXT	10	Weed_Survey_Type_Name	N	Survey method used to search for invasive species. Methods are maintained in a domain.
WeedSurvey	TEAM	Team Code	TEXT	20	DomTeam	Y	Team that conducted the survey. Team codes are maintained in a domain, but additional teams may be added as needed by contacting the WASO data manager.
WeedSurvey	PARK_UNIT	Park Unit Code	TEXT	4	DomParkUnit	Y	4-letter park unit code where the data was collected. Park unit codes are maintained in a domain.
WeedSurvey	CLIENT	Client	TEXT	50		N	Name of client for whom work is being done if not NPS.
WeedSurvey	RECORDER	Recorder Name	TEXT	100		Y	Person recording data. Initials or name may be used.
WeedSurvey	SCNTFC_CD	Scientific Code Name	TEXT	10	domSCNTFC_CD	Y	USDA PLANTS code of the species being surveyed, codes are selected from a domain.
WeedSurvey	SCNTFC_NM (Data Dictionary Only)	Scientific Name	TEXT			N	USDA PLANTS species name of the first species being surveyed, selected from a species list. REQUIRED if a second species is surveyed.
WeedSurvey	SCNTFC_CD2	Scientific Code Name 2	TEXT	10	domSCNTFC_CD	N	USDA PLANTS code of the second species being surveyed, codes are selected from a domain. REQUIRED if a second species is surveyed.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
WeedSurvey	SCNTFC_NM2 (Data Dictionary Only)	Scientific Name 2	TEXT			N	USDA PLANTS species name of the second species being surveyed, selected from a species list. REQUIRED if a second species is surveyed.
WeedSurvey	SCNTFC_CD3	Scientific Code Name 3	TEXT	10	domSCNTFC_CD	N	USDA PLANTS code of the third species being surveyed, codes are selected from a domain. REQUIRED if a third species is surveyed.
WeedSurvey	SCNTFC_NM3 (Data Dictionary Only)	Scientific Name 3	TEXT			N	USDA PLANTS species name of the third species being surveyed, selected from a species list. REQUIRED if a second species is surveyed.
WeedSurvey	SCNTFC_CD4	Scientific Code Name 4	TEXT	10	domSCNTFC_CD	N	USDA PLANTS code of the fourth species being surveyed, codes are selected from a domain. REQUIRED if a fourth species is surveyed.
WeedSurvey	SCNTFC_NM4 (Data Dictionary Only)	Scientific Name 4	TEXT			N	USDA PLANTS species name of the fourth species being surveyed, selected from a species list. REQUIRED if a second species is surveyed.
WeedSurvey	SCNTFC_CD5	Scientific Code Name 5	TEXT	10	domSCNTFC_CD	N	USDA PLANTS code of the fifth species being surveyed, codes are selected from a domain. REQUIRED if a fifth species is surveyed.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
WeedSurvey	SCNTFC_NM5 (Data Dictionary Only)	Scientific Name 5	TEXT			N	USDA PLANTS species name of the fifth species being surveyed, selected from a species list. REQUIRED if a second species is surveyed.
WeedSurvey	PERSON_HR	Total Person Hours	DOUBLE			N	Total person hours expended during survey.
WeedSurvey	NOTES	Notes	TEXT	255		N	Additional comments and notes.
WeedSurvey	BUFFER_M	Buffer Distance in Meters	DOUBLE			Y	REQUIRED for line and point features, distance survey occurred out from line/point mapped.
WeedSurvey	BUFDIR	Buffer Direction	TEXT	10	DomBUFDIR	Y	REQUIRED for line features, direction from mapped line that survey occurred, selected from domain.
PhotoLocation	PHOTODEG	Photo Direction in Degrees	LONG			Y	The compass direction in which the photo was taken.
PhotoLocation	PREFIX	Prefix	TEXT	20		N	The prefix to the photograph name.
PhotoLocation	PHOTONUM	Photo Number	TEXT	20		N	Photo number assigned by the camera. When combined with the prefix, it will give the photos name.
PhotoLocation	PURPOSE	Photo Purpose	TEXT	50	Photo_Purpose	N	Reason the photo was taken, selected from a domain.
PhotoLocation	PHOTODATE	Photo Date	DATE			Y	Date photo was taken, recorded as date and time.
PhotoLocation	PHOTO	Photo	TEXT	200		Y	Hyperlink to photo.
PhotoLocation	PHOTODEG2	Photo Direction in Degrees 2	LONG			N	The compass direction in which the second photo was taken. REQUIRED if a second photo was taken.

Data Group	Field Name	Field Alias	Data Type	Length	Domain	Required	Description
PhotoLocation	PREFIX2	Prefix 2	TEXT	20		N	The prefix to the second photograph name. REQUIRED if a second photo was taken.
PhotoLocation	PHOTONUM2	Photo Number 2	TEXT	20		N	Photo number assigned by the camera. When combined with the prefix, it will give the photos name.
PhotoLocation	PURPOSE2	Purpose 2	TEXT	50	Photo_Purpose	N	Reason the second photo was taken, selected from a domain.
PhotoLocation	PHOTODATE2	Photo Date 2	DATE			N	Date second photo was taken, recorded as date and time. REQUIRED if a second photo was taken.
PhotoLocation	PHOTO2	Photo Hyperlink 2	TEXT	200		N	Hyperlink to second photo. REQUIRED if a second photo was taken.
Photo Location	NOTES	Notes	TEXT	255		N	Additional comments and notes.
PhotoLocation	TEAM	Team	TEXT	20	DomTeam	Y	Team that took the photo. Team codes are maintained in a domain, but additional teams may be added as needed by contacting the WASO data manager.
PhotoLocation	PARK_UNIT	Park Unit Code	TEXT	4	DomParkUnit		4-letter park unit code where the photo was taken. Park unit codes are maintained in a domain.

Agent_Life_Cycle_Name		
Name	Description	Apply To
ADULT	ADULT	ProposedBiological Treatment BiologicalComponent
EGG	EGG	
LARVA	LARVA	
PUPA	PUPA	

Application_Rate_UOM_Type_Name		
Name	Description	Apply To
FLUID OUNCES PER ACRE	FLUID OUNCES PER ACRE	ProposedChemicalTreatment ChemicalComponent
FLUID OUNCES PER GALLON	FLUID OUNCES PER GALLON	
GALLONS PER ACRE	GALLONS PER ACRE	
GRAMS PER GALLON	GRAMS PER GALLON	
OUNCES PER ACRE	OUNCES PER ACRE	
OUNCES PER GALLON	OUNCES PER GALLON	
PERCENT SOLUTION	PERCENT SOLUTION	
PINTS PER ACRE	PINTS PER ACRE	
POUNDS PER ACRE	POUNDS PER ACRE	
QUARTS PER ACRE	QUARTS PER ACRE	

Burn_Intensity_Type_Name		
Name	Description	Apply To
COMBINATION	COMBINATION	FireComponent
HIGH	HIGH	
LOW	LOW	
MODERATE	MODERATE	

Chemical_Agent_UOM_Type_Name		
Name	Description	Apply To
FLUID OUNCES	FLUID OUNCES	ChemicalComponent
GALLONS	GALLONS	
GRAMS	GRAMS	
LITERS	LITERS	
MILLILITERS	MILLILITERS	
OUNCES	OUNCES	
PINTS	PINTS	
POUNDS	POUNDS	
QUARTS	QUARTS	

Chemical_Component_Carrier_Type_Name		
Name	Description	Apply To
NONE	NONE	ChemicalComponent
OIL	OIL	
WATER	WATER	

Chemical_Component_Carrier_UOM_Type_Name		
Name	Description	Apply To
GALLONS	GALLONS	ChemicalComponent
LITERS	LITERS	
NONE	NONE	

domApprovBioControl		
Name	Description	Apply To
ACMA	Aceria malherbae	ProposedBiologicalTreatment BiologicalComponent
ACSA	Aceria salsolae	
AGZO	Agapeta zoegana	
AGHY	Agasicles hygrophila	
AGAL	Agonopterix alstromeriana	
AGHY2	Agrilus hyperici	
AMAN	Amynothrips andersoni	
APAB	Aphthona abdominalis	
APCY	Aphthona cyparissiae	
APCZ	Aphthona czwalinae	
APFL	Aphthona flava	
APLA	Aphthona lacertosa	
APNI	Aphthona nigriscutis	
APSP	Aphthona spp.	
APPL	Aplocera plagiata	
ARMA	Arcola malloi	
AUSU	Aulacidea subterminalis	
AUAC	Aulacidea acroptilonica	
BATH	Bacillus thuringiensis variety kurst	
BAAF	Bagous affinis	
BAHY	Bagous hydrillae	
BAFA	Bangasternus fausti	
BAOR	Bangasternus orientalis	
BOME	Boreioglycopsis melaleucae	
BOPR	Bos primigenius	
BOSE	Botanophila seneciella	
BRPU	Brachypterolus pulicarius	
BRGI	Bradyrrhoa gilveolella	

domApprovBioControl		
Name	Description	Apply To
BRVI	Bruchidius villosus	
CALU	Calophasia lunula	
CAAE	Capra aegagrus hircus	
CHAC	Chaetorellia acrolophi	
CHAU	Chaetorellia australis	
CHCR	Chamaesphecia crassicornis	
CHHU	Chamaesphecia hungarica	
CHHY	Chrysolina hyperici	
CHQU	Chrysolina quadrigemina	
CHVA	Chrysolina varians	
COKL	Coleophora klimeschiella	
COPA	Coleophora parthenica	
CYAC	Cyphocleonus achates	
CYSA	Cyrtobagous salviniae	
CYSC	Cystiphora schmidtii	
DACA	Dasineura capsulae	
DICA	Diorhabda carinulata	
DIEL	Diorhabda elongata	
DISU	Diorhabda sublineata	
EQAS	Equus asinus	
EQFE	Equus ferus	
ERCH	Eriophyes chondrillae	
ETIN	Eteobalea intermediella	
ETSE	Eteobalea serratella	
EULE	Euhrychiopsis lecontei	
EUVI	Eustenopus villosus	
EXFU	Exapion fuscirostre	
EXUL	Exapion ulicis	

domApprovBioControl		
Name	Description	Apply To
GACA	Galerucella calvariensis	
GAPU	Galerucella pusilla	
GRBO	Gratiana boliviana	
CELI	Hadroplontus (Ceutorhynchus) litura	
HYBA	Hydrellia balciunasi	
HYPA	Hydrellia pakistanae	
HYEU	Hyles euphorbiae	
HYTR	Hylobius transversovittatus	
JAIV	Jaapiella ivannikovi	
LAGL	Lama glama	
LACU	Larinus curtus	
LAMI	Larinus minutus	
LAOB	Larinus obtusus	
LESP	Leucoptera spartifoliella	
LOJA	Longitarsus jacobaeae	
MEJA	Mecinus janthiniformis	
MEJA1	Mecinus janthinus	
MEPA	Metzneria paucipunctella	
MILA	Microlarinus lareynii	
MILY	Microlarinus lypriformis	
NAMA	Nanophyes marmoratus	
NEBR	Neochetina bruchi	
NEEI	Neochetina eichhorniae	
NEAF	Neohydronomus affinis	
NIAL	Niphograpta albiguttalis (Sameodes)	
OBER	Oberea erythrocephala	
OVAR	Ovis aris	
OXVI	Oxyops vitiosa	

domApprovBioControl		
Name	Description	Apply To
PEME	Pelochrista medullana	
PHTA	Phrydiuchus tau	
PRMA	Prokelisia marginata	
PTIN	Pterolonche inspersa	
PUCH	Puccinia chondrillina	
PUJA	Puccinia jacea solstitialis	
RHLA	Rhinoncomimus latipes	
GYAN	Rhinusa (Gymnetron) antirrhini	
GYLI	Rhinusa (Gymnetron) linariae	
RHDO	Rhizaspidotus donacis	
SAAL	Sameodes albiguttalis	
SPJU	Sphenoptera jugoslavica	
SPPE	Spodoptera pectinicornis	
SPES	Spurgia esulae	
SUPI	Subanguina picridis	
TEVI	Terellia virens	
TERO	Tetramesa romana	
TELI	Tetranychus lintearius	
TYJA	Tyria jacobaeae	
TYLU	Tyta luctuosa	
URAF	Urophora affinis	
URCA	Urophora cardui	
URQU	Urophora quadrifasciata	
URSI	Urophora sirunaseva	
URSO	Urophora solstitialis	
ZEGI	Zeuxidiplosis giardi	

domBUFDIR		
Name	Description	Apply To
LEFT	Infestation occurs to the left of the line	All line feature classes
RIGHT	Infestation occurs to the right of the line	
FULL	Infestation occurs on both sides of the line	

domParkUnit		
Name	Description	Apply To
ABLI	Abraham Lincoln Birthplace National Historical Park	All feature classes except Photo Location
ACAD	Acadia National Park	
ADAM	Adams National Historical Park	
AFAM	African American Civil War National Memorial	
AFBG	African Burial Ground National Monument	
AGFO	Agate Fossil Beds National Monument	
ALAG	Alagnak Wild River	
ALCA	Alcatraz Island	
ALEU	Aleutian World War II National Historic Area	
ALFL	Alibates Flint Quarries National Monument	
ALKA	Ala Kahakai National Historic Trail	
ALPO	Allegheny Portage Railroad National Historic Site	
AMIS	Amistad National Recreation Area	
AMME	American Memorial Park	
ANAC	Anacostia Park	
ANCH	Alaska Public Lands	
ANDE	Andersonville National Historic Site	
ANIA	Aniakchak National Monument & Preserve	
ANJO	Andrew Johnson National Historic Site	
ANTI	Antietam National Battlefield	
APCO	Appomattox Court House	
APIS	Apostle Islands National Lakeshore	
APPA	Appalachian National Scenic Trail	

domParkUnit		
Name	Description	Apply To
ARCH	Arches National Park	
ARHO	Arlington House, Robert E. Lee Memorial	
ARMO	Arabia Mountain National Heritage Area	
ARPO	Arkansas Post National Memorial	
ASIS	Assateague Island National Seashore	
ATTR	Atchafalaya National Heritage Area	
AUCA	Augusta Canal National Heritage Area	
AUTO	Motor Cities National Heritage Area	
AVIA	National Aviation	
AZRU	Aztec Ruins National Monument	
BADL	Badlands National Park	
BALT	Baltimore National Heritage Area	
BAND	Bandelier National Monument	
BAWA	Baltimore-Washington Parkway	
BELA	Bering Land Bridge National Preserve	
BEOL	Bent's Old Fort national Historic Site	
BIA	Bureau of Indian Affairs	
BIBE	Big Bend National Park	
BICA	Bighorn Canyon National Recreation Area	
BICY	Big Cypress National Preserve	
BIHO	Big Hole National Battlefield	
BISC	Biscayne National Park	
BISO	Big South Fork National River & Recreation Area	
BITH	Big Thicket National Preserve	
BLAC	Blackstone River Valley National Heritage Corridor	
BLCA	Black Canyon of the Gunnison National Park	
BLM	Bureau of Land Management	
BLRI	Blue Ridge Parkway	
BLRN	Blue Ridge National Heritage Area	

domParkUnit		
Name	Description	Apply To
BLUE	Bluestone National Scenic River	
BOAF	Boston African American National Historic Site	
BOHA	Boston Harbor Islands National Recreation Area	
BOR	Bureau of Reclamation	
BOST	Boston National Historical Park	
BOWA	Booker T Washington National Monument	
BRCA	Bryce Canyon National Park	
BRCR	Brices Cross Roads National Battlefiled Site	
BRVB	Brown v. Board of Education National Historic Site	
BUFF	Bufalo National River	
BUIS	Buck Island Reef National Monument	
CABR	Cabrillo National Monument	
CACH	Canyon De Chelly National Monument	
CACL	Castle Clinton National Monument	
CACO	Cape Cod National Seashore	
CAGR	Casa Grande Ruins National Monument	
CAHA	Cape Hatteras National Seashore	
CAHI	Capitol Hill Parks	
CAJO	Captain John Smith Chesapeak National Historic Trail	
CAKR	Cape Krusenstern National Monument	
CALA	Cache La Poudre River Corridor	
CALI	California National Historic Trail	
CALO	Cape Lookout National Seashore	
CAME	Cape Henry Memorial	
CAMO	Castle Mountains National Monument	
CANA	Canaveral National Seashore	
CANY	Canyonlands National Park	
CARE	Capitol Reef National Park	
CARL	Carl Sandburg Home National Historic Site	

domParkUnit		
Name	Description	Apply To
CASA	Castillo De San Marcos national Monument	
CATO	Catoctin Mountain Park	
CAVE	Carlsbad Caverns National Park	
CAVO	Capulin Volcano National Monument	
CAWO	Carter G. Woodson Home National Historic Site	
CBGN	Chesapeake Bay Gateways and Watertrails Network	
CEBE	Cedar Creek & Belle Grove National Historical Park	
CEBR	Cedar Breaks National Monument	
CECH	Cesar E. Chavez National Monument	
CHAM	Chamizal National Memorial	
CHAT	Chattahoochee River National Recreation Area	
CHBA	Chesapeake Bay	
CHCH	Chickamauga & Chattanooga National Military Park	
CHCU	Chaco Culture National Historical Park	
CHIC	Chickasaw National Recreation Area	
CHIR	Chiricahua National Monument	
CHIS	Channel Islands National Park	
CHOH	Chesapeake & Ohio Canal National Historical Park	
CHPI	Charles Pinckney National Historic Site	
CHRI	Christiansted National Historic Site	
CHSC	Little Rock Central High School National Historic Site	
CHYO	Charles Young Buffalo Soldiers National Monument	
CIRO	City Of Rocks National Reserve	
CLBA	Clara Barton National Historic Site	
CLMO	Claude Moore Colonial Farm	
COAL	Coal National Heritage Area	
COGA	Constituion Gardens	
COLM	Colorado National Monument	
COLO	Colonial National Historical Park	

domParkUnit		
Name	Description	Apply To
CONG	Congaree National Park	
CORO	Coronado National Memorial	
COWP	Cowpens National Battlefield	
CRHA	Cane River National Heritage Area	
CRLA	Crater Lake National Park	
CRMO	Craters Of The Moon National Monument & Preserve	
CTY	County	
CUGA	Cumberland Gap National Historical Park	
CUIS	Cumberland Island National Seashore	
CURE	Curecanti National Recreation Area	
CUVA	Cuyahoga Valley National Park	
CWDW	Civil War Defenses of Washinton	
DAAV	Dayton Aviation Heritage National Historical Park	
DABE	David Berger National Memorial	
DELE	Delaware & Lehigh National Heritage Corridor	
DEMO	Deshler-Morris House	
DENA	Denali National Park & Preserve	
DEPO	Devils Postpile National Monument	
DESO	De Soto National Memorial	
DETO	Devils Tower National Monument	
DEVA	Death Valley National Park	
DEWA	Delaware Water Gap National Recreation Area	
DINO	Dinosaur National Monument	
DRTO	Dry Tortugas National Park	
EBLA	Ebey's Landing National Historical Reserve	
EDAL	Edgar Allan Poe National Historic Site	
EDIS	Thomas Edison National Historical Park	
EFMO	Effigy Mounds National Monument	
EISE	Eisenhower National Historic Site	

domParkUnit		
Name	Description	Apply To
ELCA	El Camino Real de Tierra Adentro National Historic Trail	
ELIS	Ellis Island	
ELMA	El Malpais National Monument	
ELMO	El Morro National Monument	
ELRO	Eleanor Roosevelt National Historic Site	
ELTE	El Camino Real de los Tejas National Historic Trail	
ERIE	Erie Canalway National Heritage Corridor	
ESSE	Essex National Heritage Area	
EUON	Eugen O'Neill National Historic Site	
EVER	Everglades National Park	
FATI	Fallen Timbers Battlefield and Fort Miamis National Historic Site	
FEHA	Federal Hall National Memorial	
FIIS	Fire Island National Seashore	
FILA	First Ladies National Historic Site	
FLFO	Florissant Fossil Beds National Monument	
FLNI	Flight 93 National Memorial	
FOBO	Fort Bowie National Historic Site	
FOBU	Fossil Butte National Monument	
FOCA	Timucuan Ecological & Historic Preserve	
FODA	Fort Davis National Historic Site	
FODO	Fort Donelson National Battlefield	
FODU	Fort Dupont Park	
FOFO	Fort Foote Park	
FOFR	Fort Frederica National Monument	
FOLA	Fort Laramie National Historic Site	
FOLS	Fort Larned National Historic Site	
FOMA	Fort Matanzas National Monument	
FOMC	Fort McHenry National Monument and Historic Shrine	
FOMR	Fort Monroe National Monument	

domParkUnit		
Name	Description	Apply To
FONE	Fort Necessity National Battlefield	
FOPO	Fort Point National Historic Site	
FOPU	Fort Pulaski National Monument	
FORA	Fort Raleigh National Historic Site	
FOSC	Fort Scott National Historic Site	
FOSM	Fort Smith National Historic Site	
FOST	Fort Stanwix National Monument	
FOSU	Fort Sumter National Monument	
FOTH	Ford's Theatre National Historic Site	
FOUN	Fort Union National Monument	
FOUS	Fort Union Trading Post National Historic Site	
FOVA	Fort Vancouver National Historic Site	
FOWA	Fort Washington Park	
FRDE	Franklin Delano Roosevelt Memorial	
FRDO	Frederick Douglass National Historic Site	
FRHI	Friendship Hill National Historic Site	
FRLA	Frederick Law Olmstead National Historic Site	
FRSP	Fredericksburg & Spotsylvania National Military Park	
FRST	First State national Monument	
GAAR	Gates Of The Arctic National Park & Preserve	
GARI	Gauley River National Recreation Area	
GATE	Gateway National Recreation Area	
GEGR	General Grant National Memorial	
GEMM	George Mason Memorial	
GERO	George Rogers Clark National Historic Park	
GETT	Gettysburg National Military Park	
GEWA	George Washington Birthplace National Monument	
GICL	Gila Cliff Dwellings National Monument	
GLAC	Glacier National Park	

domParkUnit		
Name	Description	Apply To
GLBA	Glacier Bay National Park & Preserve	
GLCA	Glen Canyon National Recreation Area	
GLDE	Gloria Dei Church National Historic Site	
GLEC	Glen Echo Park	
GOGA	Golden Gate National Recreation Area	
GOIS	Governors Island National Monument	
GOSP	Golden Spike National Historic Site	
GRBA	Great Basin National Park	
GRCA	Grand Canyon National Park	
GREE	Greenbelt Park	
GREG	Great Egg Harbor River	
GRFA	Great Falls Park	
GRKO	Grant-Kohrs Ranch National Historic Site	
GRPO	Grand Portage National Monument	
GRSA	Great Sand Dunes National Park & Preserve	
GRSM	Great Smoky Mountains	
GRSP	Green Springs	
GRTE	Grand Teton National Park	
GUCO	Guilford Courthouse National Military Park	
GUGE	Gullah/Geechee Cultural Heritage Corridor	
GUIS	Gulf Islands National Seashore	
GUMO	Guadalupe Mountains National Park	
GWCA	George Washington Carver National Monument	
GWMP	George Washington Memorial Parkway	
HAFE	Harpers Ferry National Historical Park	
HAFO	Hagerman Fossil Beds National Monument	
HAGR	Hamilton Grange National Memorial	
HAHA	Harmony Hall	
HALE	Haleakala National Park	

domParkUnit		
Name	Description	Apply To
HAMP	Hampton National Historic Site	
HATU	Harriet Tubman Underground Railroad National Monument	
HAVO	Hawai'i Volcanoes National Park	
HEHO	Herbert Hoover National Historic Site	
HOBE	Horseshoe Bend National Military park	
HOCU	Hopewell Culture National Historical Park	
HOFR	Home of Franklin D Roosevelt National Historic Site	
HOFU	Hopewell Furnace National Historic Site	
HOME	Homestead National Monument of America	
HOSP	Hot Springs National Park	
HOVE	Hovenweep National Monument	
HSTR	Harry S Truman National Historic Site	
HURV	Hudson River Valley National Heritage Area	
HUTR	Hubbell Trading Post National Historic Site	
IATR	Ice Age National Scenic Trail	
INDE	Independence National Historical Park	
INDU	Indiana Dunes National Lakeshore	
INUP	Inupiat Heritage Center	
ISRO	Isle Royale National Park	
JAGA	James A Garfield National Historic Site	
JAME	Historic Jamestowne	
JAZZ	New Orleans Jazz National Historical Park	
JECA	Jewel Cave National Monument	
JEFF	Jefferson National Expansion Memorial	
JELA	Jean Lafitte National Historical Park and Preserve	
JICA	Jimmy Carter National Historic Site	
JODA	John Day Fossil Beds National Monument	
JOER	John Ericsson National Memorial	
JOFI	John Fitzgerald Kennedy National Historic Site	

domParkUnit		
Name	Description	Apply To
JOFL	Johnstown Flood National Memorial	
JOMU	John Muir National Historic Site	
JOTR	Joshua Tree National Park	
JUBA	Juan Bautista de Anza National Historic Trail	
KAHO	Kaloko-Honokohau National Historical Park	
KALA	Kalaupapa National Historical Park	
KATM	Katmai National Park & Preserve	
KEAQ	Kenilworth Park & Aquatic Gardens	
KEFJ	Kenai Fjords National Park	
KEMO	Kennesaw Mountain National Battlefield	
KEWE	Keweenaw National Historical Park	
KIMO	Kings Mountain National Military Park	
KLGO	Klondike Gold Rush National Historical Park	
KLSE	Klondike Gold Rush National Historical Park - Seattle Unit	
KNRI	Knife River Indian Villages National Historic Site	
KOVA	Kobuk Valley National Park	
KOWA	Korean War Veterans Memorial	
LABE	Lava Beds National Monument	
LACH	Lake Chelan National Recreation Area	
LACL	Lake Clark National Park & Preserve	
LAKE	Lake Mead National Recreation Area	
LAMR	Lake Meredith National Recreation Area	
LARO	Lake Roosevelt National Recreation Area	
LAVO	Lassen Volcanic National Park	
LECL	Lewis & Clark National Historic Trail	
LEWI	Lewis and Clark National Historic Park	
LHVA	Lackawanna	
LIBI	Little Bighorn Battlefield National Monument	
LIBO	Lincoln Boyhood National Memorial	

domParkUnit		
Name	Description	Apply To
LIHO	Lincoln Home National Historic Site	
LINC	Lincoln Memorial	
LIRI	Little River Canyon National Preserve	
LODE	Lower Delaware National Wild and Scenic River	
LOEA	Lower East Side Tenement Museum National Historic Site	
LONG	Longfellow House Washington's Headquarters National Historic Site	
LOWE	Lowell National Historical Park	
LYBA	Lyndon Baines Johnson Memorial Grove on the Potomac	
LYJO	Lyndon B Johnson National Historical Park	
MAAC	Maine Acadian Culture	
MABI	Marsh-Billings-Rockefeller National Historical Park	
MACA	Mammoth Cave National Park	
MALL	National Mall	
MALU	Martin Luther King Jr National Historic Site	
MAMC	Mary McLeod Bethune Council House National Historic Site	
MANA	Manassas National Battlefield Park	
MANZ	Manzanar National Historic Site	
MAVA	Martin Van Buren National Historic Site	
MAWA	Maggie L Walker National Historic Site	
MEHI	Meridian Hill Park	
MEVE	Mesa Verde National Park	
MIDE	Mississippi Delta National Heritage Area	
MIHI	Mississippi Hills National Heritage Area	
MIIN	Minidoka National Historic Site	
MIMA	Minute Man National Historical Park	
MIMI	Minuteman Missile National Historic Site	
MISS	Mississippi National River & Recreation Area	
MLKM	Martin Luther King, Jr. Memorial National Memorial	
MNRR	Missouri National Recreational River	

domParkUnit		
Name	Description	Apply To
MOCA	Montezuma Castle national Monument	
MOCR	Moore's Creek National Battlefield	
MOJA	Mojave National Preserve	
MONO	Monocacy National Battlefield	
MOPI	Mormon Pioneer National Historic Trail	
MORA	Mount Rainier National Park	
MORR	Morristown National Historical Park	
MORU	Mount Rushmore National Memorial	
MUSH	Muscle Shoals National Heritage Area	
MUWO	Muir Woods National Monument	
NABR	Natural Bridges National Monument	
NACC	National Mall & Memorial Parks	
NACE	National Capital Parks-East	
NATC	Natchez National Historical Park	
NATR	Natchez Trace Parkway	
NATT	Natchez Trace National Scenic Trail	
NAVA	Navajo National Monument	
NEBE	New Bedford Whaling National Historical Park	
NEEN	New England National scenic Trail	
NEPE	Nez Perce National Historical Park	
NERI	New River Gorge National River	
NICO	Nicodemus National Historic Site	
NIOB	Niobrara National Scenic River	
NISI	Ninety Six National Historic Site	
NOAA	National Oceanic Atmospheric Administration	
NOAT	Noatak national Preserve	
NOCA	North Cascades National Park	
NOCO	North Country National Scenic Trail	
NORG	Northern Rio Grande National Heritage Area	

domParkUnit		
Name	Description	Apply To
NPNH	National Parks of New York Harbor	
NPSA	National Park of American Samoa	
NWWM	World War II Memorial	
OBED	Obed Wild & Scenic River	
OCMU	Ocmulgee National Monument	
OIRE	Oil Region National Heritage Area	
OKCI	Oklahoma City National Memorial	
OLSP	Old Spanish National Historic Trail	
OLST	The Old Stone House	
OLYM	Olympic National Park	
OPOT	Old Post Office Tower	
ORCA	Oregon Caves National Monument	
OREG	Oregon National Historic Trail	
ORPI	Organ Pipe Cactus National Monument	
OTH	Other	
OVVI	Overmountain Victory National Historic Trail	
OXHI	Oxon Cove Park & Oxon Hill Farm	
OZAR	Ozark National Scenic Riverways	
PAAL	Palo Alto Battlefiled National Historical Park	
PAAV	Pennsylvaina Avenue National Historic Site	
PAGR	Paterson Great Falls National Historical Park	
PAIS	Padre Island National Seashore	
PAPR	Path of Progress National Heritage Area	
PARA	Parashant National Monument	
PECO	Pecos National Historical Park	
PEFO	Petrified Forest National Park	
PERI	Pea Ridge National Military Park	
PETE	Petersburg National Battlefield	
PETR	Petroglyph National Monument	

domParkUnit		
Name	Description	Apply To
PEVI	Perry's Victory & International Peace Memorial	
PIMA	Hohokam Pima National Monument	
PIMI	Peirce Mill	
PINE	New Jersey Pinelands Nationa Reserve	
PINN	Pinnacles National Park	
PIPE	Pipestone National Monument	
PIRO	Pictured Rocks National Lakeshore	
PISC	Piscataway Park	
PISP	Pipe Spring National Monument	
POCH	Port Chicago Naval Magazine National Memorial	
POEX	Pony Express National Historic Trail	
POHE	Potomac Heritage National Scenic Trail	
POPO	Poverty Point National Monument	
PORE	Point Reyes National Seashore	
PRSF	Presidio of San Francisco	
PRWI	Prince William Forest Park	
PUHE	Pu'ukohola Heiau National Historic Site	
PUHO	Pu'uhonua O Honaunau National Historical Park	
QUSH	Quinebaug & Shetucket Rivers Valley	
RABR	Rainbow Bridge National Monument	
REDW	Redwood National and State Parks	
RICH	Richmond National Battlefield Park	
RIGR	Rio Grande Wild & Scenic River	
RIRA	River Raisin National Battlefield Park	
RIST	Rivers Of Steel national Heritage Area	
ROCA	Roosevelt Campobello International Park	
ROCR	Rock Creek Park	
ROLA	Ross Lake National Recreation Area	
ROMO	Rocky Mountain National Park	

domParkUnit		
Name	Description	Apply To
RORI	Rosie the Riveter WWII Home Front National Historical Park	
ROVA	Roosevelt-Vanderbilt National Historic Site	
ROWI	Roger Williams National Memorial	
RUCA	Russell Cave National Monument	
SAAN	San Antonio Missions National Historical Park	
SACN	Saint Croix National Scenic Riverway	
SACR	Saint Croix Island International Historic Site	
SAFE	Santa Fe National Historic Trail	
SAFR	San Francisco maritime National Historical Park	
SAGA	Saint-Gaudens National Historic Site	
SAGU	Saguaro National Park	
SAHI	Sagamore Hill National Historic Site	
SAIR	Saugus Iron Works National Historic Site	
SAJH	San Juan Island National Historical Park	
SAJU	San Juan National Historic Site	
SAMA	Salem Maritime National Historic Site	
SAMO	Santa Monica Mountains National Recreation Area	
SAND	Sand Creek Massacre National Historic Site	
SAPA	Saint Paul's Church national Historic Site	
SAPU	Salinas Pueblo Missions National Monument	
SARA	Saratoga National Historical Park	
SARI	Salt River Bay National Historic Park and Ecological Preserve	
SCBL	Scotts Bluff National Monument	
SCRV	Schuylkill River Valley National Heritage Area	
SEKI	Sequoia & Kings Canyon National Parks	
SEMO	Selma to Montgomery National Historic Trail	
SHEN	Shenandoah National Park	
SHIL	Shiloh National Military Park	
SITK	Sitka National Historical Park	

domParkUnit		
Name	Description	Apply To
SLBE	Sleeping Bear Dunes National Lakeshore	
SOCA	South Carolina National Heritage Corridor	
SPAR	Springfield Armory National Historic Site	
ST	State agency	
STEA	Steamtown National Historic Site	
STLI	Statue of Liberty National Monument	
STRI	Stones River	
STSP	Star-Spangled Banner National Historic Trail	
SUCR	Sunset Crater Volcano National Monument	
TAPR	Tallgrass Prairie National Preserve	
TECW	Tennessee Civil War National Heritage Area	
THCO	Thomas Cole National Historic Site	
THIS	Theodore Roosevelt Island Park	
THJE	Thomas Jefferson Memorial	
THKO	Thaddeus Kosciuszko National Memorial	
THRB	Theodore Roosevelt Birthplace National Historic Site	
THRI	Theodore Roosevelt Inaugural National Historic Site	
THRO	Theodore Roosevelt National Park	
THST	Thomas Stone National Historic Site	
TICA	Timpanagos Cave National Monument	
TIMU	Timucuan Ecological & Historic Preserve	
TONT	Tonto National Monument	
TOSY	Touro Synagogue National Historic Site	
TRTE	Trail Of Tears National Historic Trail	
TUAI	Tuskegee Airmen National Historic Site	
TUIN	Tuskegee Institute National Historic Site	
TULE	Tule Lake Unit	
TUMA	Tumacacori National Historical park	
TUPE	Tupelo National Battlefield	

domParkUnit		
Name	Description	Apply To
TUSK	Tule Springs Fossil Beds National Monument	
TUZI	Tuzigoot National Monument	
ULSG	Ulysses S Grant National Historic Site	
UPDE	Upper Delaware Scenic & Recreational River	
USFS	U.S. Forest Service	
USFW	U.S. Fish and Wildlife Service	
VAFO	Valley Forge National Historical Park	
VALL	Valles Caldera Natioanl Preserve	
VALR	World War II Valor int he Pacific National Monument	
VAMA	Vanderbilt Mansion National Historic Site	
VICK	Vicksburg National Military Park	
VICR	Virgin Islands Corral Reef National Monument	
VIIS	Virgin Islands National Park	
VIVE	Vietnam Veterans Memorial	
VOYA	Voyageurs National Park	
WABA	Washita Battlefield National Historic Site	
WACA	Walnut Canyon National Monument	
WAMO	Washington Monument	
WAPA	War In The Pacific National Historical Park	
WARO	Washington-Rochambeau National Historic Trail	
WEFA	Weir Farm National Historic Site	
WHEE	Wheeling National Heritage Area	
WHHO	President's Park (White House)	
WHIS	Whiskeytown National Recreation Area	
WHMI	Whitman Mission National Historic Site	
WHSa	White Sands National Monument	
WICA	Wind Cave National Park	
WICL	President William Jefferson Clinton Birthplace Home National Historic Site	
WICR	Wilson's Creek National Battlefield	

domParkUnit		
Name	Description	Apply To
WIHO	William Howard Taft National Historic Site	
WORI	Women's Rights National Historical Park	
WOTR	Wolf Trap National Park for the Performing Arts	
WRBR	Wright Brothers National Memorial	
WRST	Wrangell-St Elias National Park & Preserve	
WUPA	Wupatki National Monument	
YELL	Yellowstone National Park	
YONB	Yorktown Battlefield	
YOSE	Yosemite National Park	
YUCH	Yukon - Charley Rivers National Preserve	
YUCR	Yuma Crossing National Heritage Area	
YUHO	Yucca House National Monument	
ZION	Zion National Park	

domSCNTFC_CD		
Name	Description	Apply To
ABPR3	Abrus precatorius	All feature classes except Photo Location
ABTH	Abutilon theophrasti	
ACAU	Acacia auriculiformis	
ACCO	Acacia confusa	
ACDE3	Acacia dealbata	
ACME	Acacia melanoxylon	
ACPA8	Acacia paradoxa	
ACRE2	Acacia retinodes	
ACNO4	Acaena novae-zelandiae	
ACPA14	Acaena pallida	
ACER	Acer	
ACGI	Acer ginnala	

domSCNTFC_CD		
Name	Description	Apply To
ACNE2	Acer negundo	
ACPA2	Acer palmatum	
ACPL	Acer platanoides	
ACPS	Acer pseudoplatanus	
ACFI	Achillea filipendulina	
ACMI2	Achillea millefolium	
ACPT	Achillea ptarmica	
ACBR5	Achnatherum brachychaetum	
ACHY	Achnatherum hymenoides	
ACNED	Achnatherum nelsonii ssp. dorei	
ACRI8	Achnatherum richardsonii	
ACRE3	Acroptilon repens	
ACAR10	Actinidia arguta	
ADAE	Adonis aestivalis	
ADAN	Adonis annua	
AECY	Aegilops cylindrica	
AETR	Aegilops triuncialis	
AEPO	Aegopodium podagraria	
AERU	Aeschynomene rudis	
AGSI2	Agave sisalana	
AGAD2	Ageratina adenophora	
AGCR	Agropyron cristatum	
AGDE2	Agropyron desertorum	
AGFR	Agropyron fragile	
AGGI	Agrostemma githago	
AGGI2	Agrostis gigantea	
AGST2	Agrostis stolonifera	
AIAL	Ailanthus altissima	

domSCNTFC_CD		
Name	Description	Apply To
AICA	Aira caryophyllea	
AKQU	Akebia quinata	
ALJU	Albizia julibrissin	
ALLE	Albizia lebeck	
ALMO12	Alchemilla mollis	
ALMO4	Alchemilla monticola	
ALMA12	Alhagi maurorum	
A FLORIB	Allanblackia floribunda	
ALPE4	Alliaria petiolata	
ALPA20	Allium paniculatum	
ALTR4	Allium triquetrum	
ALVI	Allium vineale	
ALVIC3	Allium vineale ssp. compactum	
ALGL2	Alnus glutinosa	
ALINR	Alnus incana ssp. rugosa	
ALMA11	Alocasia macrorrhizos	
ALVE2	Aloe vera	
ALAR	Alopecurus arundinaceus	
ALGE2	Alopecurus geniculatus	
ALMY	Alopecurus myosuroides	
ALPR3	Alopecurus pratensis	
ALPH	Alternanthera philoxeroides	
ALSE4	Alternanthera sessilis	
ALAL3	Alyssum alyssoides	
ALCO16	Alyssum corsicum	
ALMU	Alyssum murale	
AMARA	Amaranthus	
AMAL	Amaranthus albus	

domSCNTFC_CD		
Name	Description	Apply To
AMBL	Amaranthus blitoides	
AMRE	Amaranthus retroflexus	
AMTR2	Amaranthus tricolor	
AMAR2	Ambrosia artemisiifolia	
AMARA2	Ambrosia artemisiifolia var. artemisiifolia	
AMARE	Ambrosia artemisiifolia var. elatior	
AMARP	Ambrosia artemisiifolia var. paniculata	
AMTO3	Ambrosia tomentosa	
AMTR	Ambrosia trifida	
AMTRT	Ambrosia trifida var. texana	
AMTRT2	Ambrosia trifida var. trifida	
AMAR4	Ammophila arenaria	
AMFR	Amorpha fruticosa	
AMBR7	Ampelopsis brevipedunculata	
AMLY	Amsinckia lycopsoides	
AMME	Amsinckia menziesii	
ANAR16	Anchusa arvensis	
ANOF	Anchusa officinalis	
ANCR2	Anoda cristata	
ANAR6	Anthemis arvensis	
ANCO2	Anthemis cotula	
ANTI	Anthemis tinctoria	
ANOD	Anthoxanthum odoratum	
ANSY	Anthriscus sylvestris	
APAN2	Apocynum androsaemifolium	
ARCA18	Arabis alpina	
ARGL	Arabis glabra	
ARALI	Aralia	

domSCNTFC_CD		
Name	Description	Apply To
AREL8	Aralia elata	
ARSP2	Aralia spinosa	
ARSE8	Araujia sericifera	
ARLA3	Arctium lappa	
ARM12	Arctium minus	
ARCA45	Arctotheca calendula	
ARCR80	Ardisia crenata	
AREL4	Ardisia elliptica	
ARRU4	Armoracia rusticana	
AREL3	Arrhenatherum elatius	
ARAB3	Artemisia absinthium	
ARAN3	Artemisia annua	
ARBI2	Artemisia biennis	
ARDR4	Artemisia dracunculus	
ARLUL2	Artemisia ludoviciana ssp. ludoviciana	
ARST6	Artemisia stelleriana	
ARVU	Artemisia vulgaris	
ARIT	Arum italicum	
ARPY8	Arundinaria pygmaea	
ARDO4	Arundo donax	
ASSU2	Asclepias subverticillata	
ASVE	Asclepias verticillata	
ASDE12	Asparagus densiflorus	
ASOF	Asparagus officinalis	
ASSE12	Asparagus setaceus	
ASPR	Asperugo procumbens	
ASFI2	Asphodelus fistulosus	
ASCI4	Astragalus cicer	

domSCNTFC_CD		
Name	Description	Apply To
ATRIIP	Atriplex	
ATHO	Atriplex hortensis	
ATPA4	Atriplex patula	
ATSE	Atriplex semibaccata	
AVFA	Avena fatua	
AVSA	Avena sativa	
AVST	Avena sterilis	
AZPI	Azolla pinnata	
BASA4	Baccharis salicifolia	
BASA2	Baccharis sarothroides	
BAMBU	Bambusa	
BAAR8	Bambusa arundinacea	
BATU	Bambusa tulda	
BAVU	Barbarea vulgaris	
BAHY	Bassia hyssopifolia	
BAPR5	Bassia prostrata	
BASC5	Bassia scoparia	
BETR	Bellardia trixago	
BEPE2	Bellis perennis	
BERBE	Berberis	
BEJU4	Berberis julianae	
BETH	Berberis thunbergii	
BEVU	Berberis vulgaris	
BEIN2	Berteroa incana	
BEPE3	Betula pendula	
BIFR	Bidens frondosa	
BIJA	Bischofia javanica	
BOOF	Borago officinalis	

domSCNTFC_CD		
Name	Description	Apply To
BRDI2	Brachypodium distachyon	
BRSY	Brachypodium sylvaticum	
BRASS2	Brassica	
BRJU	Brassica juncea	
BRNA	Brassica napus	
BRNI	Brassica nigra	
BRRA	Brassica rapa	
BRT0	Brassica tournefortii	
BRMA	Briza maxima	
BRPI4	Bromelia pinguin	
BRAR5	Bromus arvensis	
BRBE6	Bromus berteroanus	
BRBR5	Bromus briziformis	
BRCA6	Bromus catharticus	
BRDI3	Bromus diandrus	
BRDIR	Bromus diandrus ssp. rigidus	
BRHO2	Bromus hordeaceus	
BRIN2	Bromus inermis	
BRINI	Bromus inermis ssp. inermis	
BRRA2	Bromus racemosus	
BRRU2	Bromus rubens	
BRSE	Bromus secalinus	
BRTE	Bromus tectorum	
BRPA4	Broussonetia papyrifera	
BRAL4	Bryonia alba	
BUDA2	Buddleja davidii	
BUUM	Butomus umbellatus	
BUMI5	Buxus microphylla	

domSCNTFC_CD		
Name	Description	Apply To
BUSE2	Buxus sempervirens	
CACA	Cabomba caroliniana	
CACAC4	Cabomba caroliniana var. caroliniana	
CACAP	Cabomba caroliniana var. pulcherrima	
CADE15	Caesalpinia decapetala	
CAGI	Caesalpinia gilliesii	
CAAR	Calendula arvensis	
CAOF	Calendula officinalis	
CACO72	Calydorea coelestina	
CASE13	Calystegia sepium	
CASE5	Calystegia sepium ssp. sepium	
CAMI2	Camelina microcarpa	
CASA2	Camelina sativa	
CAGL2	Campanula glomerata	
CAME20	Campanula medium	
CARA	Campanula rapunculoides	
CABR21	Canavalia brasiliensis	
CACA29	Canavalia cathartica	
CASA3	Cannabis sativa	
CABU2	Capsella bursa-pastoris	
CAAR18	Caragana arborescens	
CAHI3	Cardamine hirsuta	
CAIM	Cardamine impatiens	
CAPAP10	Cardamine pachystigma var. pachystigma	
CACH42	Cardaria chalepensis	
CADR	Cardaria draba	
CAPU6	Cardaria pubescens	
CARA3	Cardionema ramosissimum	

domSCNTFC_CD		
Name	Description	Apply To
CARDU	Carduus	
CAAC	Carduus acanthoides	
CANU4	Carduus nutans	
CAPY2	Carduus pycnocephalus	
CATE2	Carduus tenuiflorus	
CADE9	Carex deweyana	
CAKO2	Carex kobomugi	
CAMA10	Carex macrocephala	
CACH38	Carpobrotus chilensis	
CAED3	Carpobrotus edulis	
CALA20	Carthamus lanatus	
CALAC3	Carthamus lanatus ssp. creticus	
CALE52	Carthamus leucocaulos	
CAOX6	Carthamus oxyacanthus	
CATI	Carthamus tinctorius	
CACA19	Carum carvi	
CAMI36	Caryota mitis	
CASUA	Casuarina	
CAEQ	Casuarina equisetifolia	
CABI8	Catalpa bignonioides	
CARO14	Catharanthus roseus	
CECU	Ceanothus cuneatus	
CEDI	Ceanothus divergens	
CEOR7	Celastrus orbiculatus	
CEEC	Cenchrus echinatus	
CELO3	Cenchrus longispinus	
CECA2	Centaurea calcitrapa	
CECY2	Centaurea cyanus	

domSCNTFC_CD		
Name	Description	Apply To
CEDE5	Centaurea debeauxii	
CEDI3	Centaurea diffusa	
CEIB	Centaurea iberica	
CEJA	Centaurea jacea	
CEMA9	Centaurea macrocephala	
CEME2	Centaurea melitensis	
CEMO	Centaurea montana	
CENI2	Centaurea nigra	
CENI3	Centaurea nigrescens	
CESO3	Centaurea solstitialis	
CEST8	Centaurea stoebe	
CESTM	Centaurea stoebe ssp. micranthos	
CESU	Centaurea sulphurea	
CETR12	Centaurea trichocephala	
CEVI	Centaurea virgata	
CEVIS2	Centaurea virgata ssp. squarrosa	
CEMO6	Centaurea x moncktonii	
CEPUL	Centromadia pungens ssp. laevis	
CEPUM	Centromadia pungens ssp. maritima	
CEPUP6	Centromadia pungens ssp. pungens	
CEPUS2	Centromadia pungens ssp. septentrionalis	
CEFO2	Cerastium fontanum	
CEFOV2	Cerastium fontanum ssp. vulgare	
CEGL2	Cerastium glomeratum	
CETO2	Cerastium tomentosum	
CETE5	Ceratocephala testiculata	
CHMI	Chaenorhinum minus	
CHMA2	Chelidonium majus	

domSCNTFC_CD		
Name	Description	Apply To
CHAL7	Chenopodium album	
CHALA	Chenopodium album var. album	
CHBEZ	Chenopodium berlandieri var. zschackii	
CHLE4	Chenopodium leptophyllum	
CHRU	Chenopodium rubrum	
CHSA2	Chenopodium salinum	
CHSI2	Chenopodium simplex	
CHJU	Chondrilla juncea	
CHTE2	Chorispota tenella	
CHAC	Chrysopogon aciculatus	
CIIN	Cichorium intybus	
CIDO	Cicuta douglasii	
CIMA2	Cicuta maculata	
CIMAA	Cicuta maculata var. angustifolia	
CIMAB	Cicuta maculata var. bolanderi	
CIMAM	Cicuta maculata var. maculata	
CICA	Cinnamomum camphora	
CIRSI	Cirsium	
CIAR4	Cirsium arvense	
CIJA2	Cirsium japonicum	
CIOC2	Cirsium ochrocentrum	
CIPA6	Cirsium palustre	
CIUN	Cirsium undulatum	
CIUNT	Cirsium undulatum var. tracyi	
CIUNU	Cirsium undulatum var. undulatum	
CIVU	Cirsium vulgare	
CITRU2	Citrus	
CIAU7	Citrus x aurantiifolia	

domSCNTFC_CD		
Name	Description	Apply To
CLHI	Clematis hirsutissima	
CLOR	Clematis orientalis	
CLTA2	Clematis tangutica	
CLTE4	Clematis terniflora	
CLVI6	Clematis vitalba	
CLIN	Clerodendrum indicum	
CLHI3	Clidemia hirta	
CLDO2	Clinopodium douglasii	
COGR9	Coccinia grandis	
COJU	Cochlidium juncens	
CONU	Cocos nucifera	
COLI2	Collomia linearis	
COES	Colocasia esculenta	
COAS3	Colubrina asiatica	
COBE2	Commelina benghalensis	
COCO3	Commelina communis	
COMA2	Conium maculatum	
COMA7	Convallaria majalis	
COAR4	Convolvulus arvensis	
COCA5	Conyza canadensis	
CORNU	Cornus	
CODR	Cornus drummondii	
CORA6	Cornus racemosa	
COSQ	Coronopus squamatus	
CORTA	Cortaderia	
COJU2	Cortaderia jubata	
COSE4	Cortaderia selloana	
COIN21	Corydalis incisa	

domSCNTFC_CD		
Name	Description	Apply To
COFR3	Cotoneaster franchetii	
COPA14	Cotoneaster pannosus	
COCO7	Cotula coronopifolia	
CRMO3	Crataegus monogyna	
CRCA3	Crepis capillaris	
CRTE3	Crepis tectorum	
CRSP2	Crotalaria spectabilis	
CROTO	Croton	
CRVU2	Crupina vulgaris	
CRT04	Cryptantha torreyana	
CRGR6	Cryptostegia grandiflora	
CRMA10	Cryptostegia madagascariensis	
CUMY	Cucumis myriocarpus	
CUAN4	Cupaniopsis anacardioides	
CUAM3	Cuscuta americana	
CUAP	Cuscuta applanata	
CUAP2	Cuscuta approximata	
CUAT	Cuscuta attenuata	
CUBO	Cuscuta boldinghii	
CUBR	Cuscuta brachycalyx	
CUBRA	Cuscuta brachycalyx var. apodanthera	
CUBRB	Cuscuta brachycalyx var. brachycalyx	
CUCA	Cuscuta californica	
CUCAA	Cuscuta californica var. apiculata	
CUCAB	Cuscuta californica var. breviflora	
CUCAC	Cuscuta californica var. californica	
CUCAP	Cuscuta californica var. papillosa	
CUCA5	Cuscuta cassytoides	

domSCNTFC_CD		
Name	Description	Apply To
CUCE2	Cuscuta ceanothi	
CUCE	Cuscuta cephalanthi	
CUCO2	Cuscuta compacta	
CUCOC	Cuscuta compacta var. compacta	
CUCOE	Cuscuta compacta var. efimbriata	
CUCO3	Cuscuta coryli	
CUCU2	Cuscuta cuspidata	
CUDE	Cuscuta decipiens	
CUDE3	Cuscuta dentatasquamata	
CUDE2	Cuscuta denticulata	
CUDED	Cuscuta denticulata var. denticulata	
CUEP2	Cuscuta epilinum	
CUEP	Cuscuta epithymum	
CUER	Cuscuta erosa	
CUEU	Cuscuta europaea	
CUEX	Cuscuta exaltata	
CUFA	Cuscuta fasciculata	
CUGL5	Cuscuta globulosa	
CUGL3	Cuscuta glomerata	
CUGR	Cuscuta gronovii	
CUGRC	Cuscuta gronovii var. calyptrata	
CUGRG	Cuscuta gronovii var. gronovii	
CUHA	Cuscuta harperi	
CUHO	Cuscuta howelliana	
CUIN	Cuscuta indecora	
CUINB	Cuscuta indecora var. bifida	
CUINI	Cuscuta indecora var. indecora	
CUINL	Cuscuta indecora var. longisepala	

domSCNTFC_CD		
Name	Description	Apply To
CUINN	Cuscuta indecora var. neuropetala	
CUJA	Cuscuta japonica	
CULE	Cuscuta leptantha	
CUME4	Cuscuta megalocarpa	
CUMI2	Cuscuta mitriformis	
CUOB	Cuscuta obtusiflora	
CUOBG	Cuscuta obtusiflora var. glandulosa	
CUOD	Cuscuta odontolepis	
CUPE3	Cuscuta pentagona	
CUPEG	Cuscuta pentagona var. glabrior	
CUPEP2	Cuscuta pentagona var. pentagona	
CUPEP3	Cuscuta pentagona var. pubescens	
CUPL	Cuscuta plattensis	
CUPO	Cuscuta polygonorum	
CUPO2	Cuscuta potosina	
CUPOG	Cuscuta potosina var. globifera	
CURE	Cuscuta reflexa	
CURO	Cuscuta rostrata	
CURU	Cuscuta runyonii	
CUSA	Cuscuta salina	
CUSAM	Cuscuta salina var. major	
CUSAP	Cuscuta salina var. papillata	
CUSAS	Cuscuta salina var. salina	
CUSA2	Cuscuta sandwichiana	
CUSQ	Cuscuta squamata	
CUSU	Cuscuta suaveolens	
CUSU3	Cuscuta suksdorfii	
CUSUS	Cuscuta suksdorfii var. subpedicellata	

domSCNTFC_CD		
Name	Description	Apply To
CUSUS2	Cuscuta suksdorfii var. suksdorfii	
CUTU	Cuscuta tuberculata	
CUUM	Cuscuta umbellata	
CUDEV	Cuscuta veatchii	
CUWA2	Cuscuta warneri	
CYAT	Cycloloma atriplicifolium	
CYLO11	Cynanchum louiseae	
CYRO8	Cynanchum rossicum	
CYCA	Cynara cardunculus	
CYAE2	Cynodon aethiopicus	
CYDA	Cynodon dactylon	
CYMA2	Cynodon magennisii	
CYNL80	Cynodon nlemfuensis	
CYNLN	Cynodon nlemfuensis var. nlemfuensis	
CYNLR	Cynodon nlemfuensis var. robustus	
CYPL2	Cynodon plectostachyus	
CYTR	Cynodon transvaalensis	
CYOF	Cynoglossum officinale	
CYEC	Cynosurus echinatus	
CYES	Cyperus esculentus	
CYESH	Cyperus esculentus var. hermannii	
CYESL	Cyperus esculentus var. leptostachyus	
CYESM	Cyperus esculentus var. macrostachyus	
CYESS	Cyperus esculentus var. sativus	
CYPR17	Cyperus prolifer	
CYRO	Cyperus rotundus	
CYFA2	Cyrtomium falcatum	
CYSC4	Cytisus scoparius	

domSCNTFC_CD		
Name	Description	Apply To
CYSCA	Cytisus scoparius var. andreanus	
CYSCS2	Cytisus scoparius var. scoparius	
CYST7	Cytisus striatus	
DAGL	Dactylis glomerata	
DAAE	Dactyloctenium aegyptium	
DAMO2	Dalea mollissima	
DALA11	Daphne laureola	
DAST	Datura stramonium	
DAWR2	Datura wrightii	
DACA6	Daucus carota	
DEOD	Delairea odorata	
DERE	Delonix regia	
DENU2	Delphinium nuttallianum	
DEDA	Deschampsia danthonioides	
DEEL	Deschampsia elongata	
DESO2	Descurainia sophia	
DIAR	Dianthus armeria	
DIDE	Dianthus deltoides	
DIPL	Dianthus plumarius	
DILA3	Digitalis lanata	
DIPU	Digitalis purpurea	
DISA	Digitaria sanguinalis	
DIVE2	Digitaria velutina	
DIBU	Dioscorea bulbifera	
DIOP	Dioscorea oppositifolia	
DIPSA	Dipsacus	
DIFU2	Dipsacus fullonum	
DILA4	Dipsacus laciniatus	

domSCNTFC_CD		
Name	Description	Apply To
DIGR3	Dittrichia graveolens	
DRMO	Dracocephalum moldavica	
DRTH	Dracocephalum thymiflorum	
DRAR7	Drymaria arenarioides	
DUIN	Duchesnea indica	
DYBO	Dysphania botrys	
ECVU	Echium vulgare	
EGDE	Egeria densa	
EHCA	Ehrharta calycina	
EIAZ2	Eichhornia azurea	
EICR	Eichhornia crassipes	
ELAN	Elaeagnus angustifolia	
ELPU2	Elaeagnus pungens	
ELUM	Elaeagnus umbellata	
ELPE6	Eleutherococcus pentaphyllus	
ELCA7	Elodea canadensis	
ELCA4	Elymus canadensis	
ELRE4	Elymus repens	
ELSI	Elymus sibiricus	
EMAU	Emex australis	
EMSP	Emex spinosa	
ENFA	Encelia farinosa	
EPHI	Epilobium hirsutum	
EPHE	Epipactis helleborine	
EPPI	Epipremnum pinnatum	
EQUIS	Equisetum	
EQTE	Equisetum telmateia	
EQTEB	Equisetum telmateia var. braunii	

domSCNTFC_CD		
Name	Description	Apply To
ERCI	Eragrostis cilianensis	
ERCU2	Eragrostis curvula	
ERIN	Eragrostis intermedia	
ERLE	Eragrostis lehmanniana	
ERGL8	Erechtites glomerata	
ERLU6	Erica lusitanica	
ERCI6	Erodium cicutarium	
ERCIB2	Erodium cicutarium ssp. bipinnatum	
ERCIC	Erodium cicutarium ssp. cicutarium	
ERCIJ	Erodium cicutarium ssp. jacquinianum	
ERGA	Erucastrum gallicum	
ERCH9	Erysimum cheiranthoides	
ESCA2	Eschscholzia californica	
EUCAL	Eucalyptus	
EUGL	Eucalyptus globulus	
EUAL13	Euonymus alatus	
EUEU7	Euonymus eropaeus	
EUFO5	Euonymus fortunei	
EUCY2	Euphorbia cyparissias	
EUDE4	Euphorbia dentata	
EUDED	Euphorbia dentata var. dentata	
EUDEL	Euphorbia dentata var. lasiocarpa	
EUES	Euphorbia esula	
EUESE	Euphorbia esula var. esula	
EUESU	Euphorbia esula var. uralensis	
EULA4	Euphorbia lathyris	
EUMY2	Euphorbia myrsinites	
EUOB4	Euphorbia oblongata	

domSCNTFC_CD		
Name	Description	Apply To
EUPE6	Euphorbia peplus	
EUSE12	Euphorbia serrata	
EUTE10	Euphorbia terracina	
EUNE3	Euphrasia nemorosa	
FAES2	Fagopyrum esculentum	
FAVI	Fatoua villosa	
FICA	Ficus carica	
FIMI2	Ficus microcarpa	
FOVU	Foeniculum vulgare	
FORSY	Forsythia	
FRAN	Fragaria x ananassa	
FRAL4	Frangula alnus	
FRPE	Fraxinus pennsylvanica	
FRVE2	Fraxinus velutina	
GAAR	Gaillardia aristata	
GAPU	Gaillardia pulchella	
GANI	Galanthus nivalis	
GAOF	Galega officinalis	
GALEO	Galeopsis	
GABI3	Galeopsis bifida	
GATE2	Galeopsis tetrahit	
GAPA2	Galinsoga parviflora	
GACO5	Gaura coccinea	
GADR	Gaura drummondii	
GASI	Gaura sinuata	
GEMO2	Genista monspessulana	
GERAN	Geranium	
GEBI2	Geranium bicknellii	

domSCNTFC_CD		
Name	Description	Apply To
GECA5	Geranium carolinianum	
GECO	Geranium columbinum	
GELU	Geranium lucidum	
GEPU2	Geranium pusillum	
GERO	Geranium robertianum	
GESA2	Geranium sanguineum	
GIAC2	Gilia achilleifolia	
GICA5	Gilia capitata	
GLSE5	Glebionis segetum	
GLHE2	Glechoma hederacea	
GLTR	Gleditsia triacanthos	
GLDI	Glossostigma diandrum	
GNPA	Gnaphalium palustre	
GNUL	Gnaphalium uliginosum	
GRRO	Grevillea robusta	
GYDI	Gymnocladus dioicus	
GYEL	Gypsophila elegans	
GYPA	Gypsophila paniculata	
HAMI	Hackelia micrantha	
HAHA8	Halimodendron halodendron	
HAGL	Halogeton glomeratus	
HEHE	Hedera helix	
HEHEC	Hedera helix ssp. canariensis	
HEHI12	Hedera hibernica	
HEGA	Hedychium gardnerianum	
HEAN3	Helianthus annuus	
HECI	Helianthus ciliaris	
HEPE	Helianthus petiolaris	

domSCNTFC_CD		
Name	Description	Apply To
HEPE8	Helichrysum petiolare	
HEHE5	Heliopsis helianthoides	
HEMER	Hemerocallis	
HEFU	Hemerocallis fulva	
HELI4	Hemerocallis lilioasphodelus	
HEMA17	Heracleum mantegazzianum	
HEMA80	Heracleum maximum	
HEMA3	Hesperis matronalis	
HECOC8	Hesperostipa comata ssp. comata	
HECO10	Heteropogon contortus	
HISY	Hibiscus syriacus	
HITI	Hibiscus tiliaceus	
HITR	Hibiscus trionum	
HIAT2	Hieracium atratum	
HIAU	Hieracium aurantiacum	
HICA10	Hieracium caespitosum	
HIGL3	Hieracium glomeratum	
HILA8	Hieracium lachenalii	
HILA4	Hieracium laevigatum	
HIMA3	Hieracium maculatum	
HIMU	Hieracium murorum	
HIP1	Hieracium pilosella	
HIPIN	Hieracium pilosella var. niveum	
HIPIP	Hieracium pilosella var. pilosella	
HIP12	Hieracium piloselloides	
HIPR3	Hieracium praealtum	
HIPRD	Hieracium praealtum var. decipiens	
HISA4	Hieracium sabaudum	

domSCNTFC_CD		
Name	Description	Apply To
HISC	Hieracium scabrum	
HIUM	Hieracium umbellatum	
HIAT	Hieracium x atramentarium	
HIBR3	Hieracium x brachiatum	
HIFL2	Hieracium x flagellare	
HIFLC	Hieracium x flagellare var. cernuiforme	
HIFLF	Hieracium x flagellare var. flagellare	
HIFL3	Hieracium x floribundum	
HIFU2	Hieracium x fuscatum	
HISA	Hillebrandia sandwicensis	
HOLA	Holcus lanatus	
HOMO	Holcus mollis	
HOJU	Hordeum jubatum	
HOMUL	Hordeum murinum ssp. leporinum	
HOVU	Hordeum vulgare	
HOSTA	Hosta	
HUJA	Humulus japonicus	
HYHI5	Hyacinthoides hispanica	
HYVE3	Hydrilla verticillata	
HYMO6	Hydrocharis morsus-ranae	
HYPO3	Hygrophila polysperma	
HYNI	Hyoscyamus niger	
HYPER	Hypericum	
HYCA10	Hypericum calycinum	
HYPE	Hypericum perforatum	
HYRA3	Hypochaeris radicata	
IBAM	Iberis amara	
ILAQ80	Ilex aquifolium	

domSCNTFC_CD		
Name	Description	Apply To
ILCO2	Ilex collina	
ILCR2	Ilex crenata	
IMGL	Impatiens glandulifera	
IMBR	Imperata brasiliensis	
IMBR2	Imperata brevifolia	
IMCY	Imperata cylindrica	
INSU	Indigofera suffruticosa	
IPAL	Ipomoea alba	
IPAM	Ipomoea amnicola	
IPAQ	Ipomoea aquatica	
IPAS	Ipomoea asarifolia	
IPBA	Ipomoea barbatisejala	
IPBA2	Ipomoea batatas	
IPCA	Ipomoea cairica	
IPCA4	Ipomoea calantha	
IPCA2	Ipomoea capillacea	
IPCA3	Ipomoea cardiophylla	
IPCO3	Ipomoea coccinea	
IPCO4	Ipomoea coptica	
IPCO8	Ipomoea cordatotriloba	
IPCOC2	Ipomoea cordatotriloba var. cordatotriloba	
IPCOT	Ipomoea cordatotriloba var. torreyana	
IPCO9	Ipomoea cordifolia	
IPCO2	Ipomoea costellata	
IPCR	Ipomoea cristulata	
IPDU	Ipomoea dumetorum	
IPEG	Ipomoea eggersiana	
IPEG3	Ipomoea eggersii	

domSCNTFC_CD		
Name	Description	Apply To
IPER	Ipomoea eriocarpa	
IPHE	Ipomoea hederacea	
IPHE2	Ipomoea hederifolia	
IPHO	Ipomoea horsfalliae	
IPIM	Ipomoea imperati	
IPIN	Ipomoea indica	
IPKR	Ipomoea krugii	
IPLA	Ipomoea lacunosa	
IPLE	Ipomoea leptophylla	
IPLI	Ipomoea lindheimeri	
IPLI2	Ipomoea littoralis	
IPLO	Ipomoea longifolia	
IPMA	Ipomoea macrorhiza	
IPME	Ipomoea meyeri	
IPMI	Ipomoea microdactyla	
IPNI	Ipomoea nil	
IPOB	Ipomoea obscura	
IPOC2	Ipomoea ochracea	
IPPA	Ipomoea pandurata	
IPPE	Ipomoea pes-caprae	
IPPEB	Ipomoea pes-caprae ssp. brasiliensis	
IPPE2	Ipomoea pes-tigridis	
IPPL	Ipomoea plummerae	
IPPU3	Ipomoea pubescens	
IPPU6	Ipomoea purga	
IPPU2	Ipomoea purpurea	
IPQU	Ipomoea quamoclit	
IPRE	Ipomoea repanda	

domSCNTFC_CD		
Name	Description	Apply To
IPRU	Ipomoea rupicola	
IPSA	Ipomoea sagittata	
IPSE2	Ipomoea setifera	
IPSE3	Ipomoea setosa	
IPSH	Ipomoea shumardiana	
IPST2	Ipomoea steudelii	
IPTE	Ipomoea tenuiloba	
IPTEL	Ipomoea tenuiloba var. lemmonii	
IPTET	Ipomoea tenuiloba var. tenuiloba	
IPTE2	Ipomoea tenuissima	
IPTE5	Ipomoea ternifolia	
IPTEL3	Ipomoea ternifolia var. leptotoma	
IPTH	Ipomoea thurberi	
IPTR3	Ipomoea tricolor	
IPTR2	Ipomoea triloba	
IPTU2	Ipomoea tuboides	
IPTU3	Ipomoea turbinata	
IPVI	Ipomoea violacea	
IPWR	Ipomoea wrightii	
IPLE4	Ipomoea x leucantha	
IPMU2	Ipomoea x multifida	
IRDO	Iris douglasiana	
IRMI	Iris missouriensis	
IRPS	Iris pseudacorus	
ISTI	Isatis tinctoria	
ISRU	Ischaemum rugosum	
IVAX	Iva axillaris	
JADI2	Jasminum dichotomum	

domSCNTFC_CD		
Name	Description	Apply To
JAFL	Jasminum fluminense	
JAGO	Jatropha gossypifolia	
JUNIP	Juniperus	
JUVI	Juniperus virginiana	
KAPI	Kalanchoe pinnata	
KASE	Kalopanax septemlobus	
KNAR	Knautia arvensis	
KOPA	Koeleruteria paniculata	
LASE	Lactuca serriola	
LATA	Lactuca tatarica	
LAMA15	Lagarosiphon major	
LAAL	Lamium album	
LAAM	Lamium amplexicaule	
LAGA2	Lamium galeobdolon	
LAMA	Lamium maculatum	
LAPU2	Lamium purpureum	
LACA2	Lantana camara	
LAOCO	Lappula occidentalis var. occidentalis	
LASQ	Lappula squarrosa	
LACO3	Lapsana communis	
LATR2	Larrea tridentata	
LALA4	Lathyrus latifolius	
LAPR	Lathyrus pratensis	
LASY	Lathyrus sylvestris	
LATI	Lathyrus tingitanus	
LEAU2	Leontodon autumnalis	
LEHI	Leontodon hispidus	
LETAT	Leontodon taraxacoides ssp. taraxacoides	

domSCNTFC_CD		
Name	Description	Apply To
LECA2	Leonurus cardiaca	
LECA5	Lepidium campestre	
LEDE	Lepidium densiflorum	
LELA2	Lepidium latifolium	
LERA2	Lepidium ramosissimum	
LESA2	Lepidium sativum	
LEVI3	Lepidium virginicum	
LECH2	Leptochloa chinensis	
LEHO7	Lepyrodiclis holosteoides	
LECU	Lespedeza cuneata	
LELE10	Leucaena leucocephala	
LEMA8	Leucanthemum maximum	
LEVU	Leucanthemum vulgare	
LEAE	Leucojum aestivum	
LEOF	Levisticum officinale	
LEAN3	Leymus angustus	
LIGUS	Ligusticum	
LIGUS2	Ligustrum	
LIJA	Ligustrum japonicum	
LILU2	Ligustrum lucidum	
LIOB	Ligustrum obtusifolium	
LISI	Ligustrum sinense	
LIVU	Ligustrum vulgare	
LIDOD	Limnanthes douglasii ssp. douglasii	
LISP2	Limnophila spongia	
LIIN5	Limnophila indica	
LISE3	Limnophila sessiliflora	
LIDA	Linaria dalmatica	

domSCNTFC_CD		
Name	Description	Apply To
LIDAD	Linaria dalmatica ssp. dalmatica	
LIDAM	Linaria dalmatica ssp. macedonica	
LIGE	Linaria genistifolia	
LPI3	Linaria pinifolia	
LIVU2	Linaria vulgaris	
LIST2	Liquidambar styraciflua	
LIMU6	Liriope muscari	
LISP10	Liriope spicata	
LOPE	Lolium perenne	
LOPEM2	Lolium perenne ssp. multiflorum	
LOTE2	Lolium temulentum	
LOTET	Lolium temulentum ssp. temulentum	
LONIC	Lonicera	
LOJA	Lonicera japonica	
LOMA6	Lonicera maackii	
LOMO2	Lonicera morrowii	
LOST2	Lonicera standishii	
LOTA	Lonicera tatarica	
LOCO6	Lotus corniculatus	
LUPE5	Ludwigia peploides	
LUAR	Lupinus arboreus	
LUP02	Lupinus polyphyllus	
LUP0P4	Lupinus polyphyllus ssp. polyphyllus var. polyphyllus	
LYCH3	Lychnis chalcedonica	
LYCO	Lychnis coronaria	
LYFE3	Lycium ferocissimum	
LYJA	Lygodium japonicum	
LYMI	Lygodium microphyllum	

domSCNTFC_CD		
Name	Description	Apply To
LYNU	Lysimachia nummularia	
LYVU	Lysimachia vulgaris	
LYHY3	Lythrum hyssopifolium	
LYSA2	Lythrum salicaria	
LYVI3	Lythrum virgatum	
MAMA28	Macaranga mappa	
MATA3	Macaranga tanarius	
MACFA	Macfadyena	
MAUN3	Macfadyena unguis-cati	
MAPO	Maclura pomifera	
MALA9	Macroptilium lathyroides	
MAGL2	Madia glomerata	
MASA	Madia sativa	
MABE2	Mahonia bealei	
MAAF	Malcolmia africana	
MAPU	Malus pumila	
MALVA	Malva	
MANE	Malva neglecta	
MAPA5	Malva parviflora	
MAPE3	Malvaviscus penduliflorus	
MALE3	Malvella leprosa	
MAZA	Manilkara zapota	
MAVU	Marrubium vulgare	
MADI6	Matricaria discoidea	
MALO3	Matthiola longipetala	
M PARVI	Matthiola parviflora	
MELU	Medicago lupulina	
MEMI	Medicago minima	

domSCNTFC_CD		
Name	Description	Apply To
MEPO3	Medicago polymorpha	
MESA	Medicago sativa	
MESAF	Medicago sativa ssp. falcata	
MESAS	Medicago sativa ssp. sativa	
MEQU	Melaleuca quinquenervia	
MESA3	Melastoma sanguineum	
MEAZ	Melia azedarach	
MELIL	Melilotus	
MEIN2	Melilotus indicus	
MEOF	Melilotus officinalis	
MEPU	Mentha pulegium	
MESP3	Mentha spicata	
MEPI	Mentha x piperita	
MENO2	Mesembryanthemum nodiflorum	
MICA20	Miconia calvenscens	
MIVI	Microstegium vimineum	
MIGR	Microsteris gracilis	
MICO16	Mikania cordata	
MIMI5	Mikania micrantha	
MIVE3	Milium vernale	
MIP19	Millettia pinnata	
MIPE2	Mimosa pellita	
MINY	Mirabilis nyctaginea	
MISI	Miscanthus sinensis	
MIOR	Misopates orontium	
MOVE	Mollugo verticillata	
MOCH2	Momordica charantia	
MOHA2	Monochoria hastata	

domSCNTFC_CD		
Name	Description	Apply To
MOVA	Monochoria vaginalis	
MORAE	Moraea	
MOCE2	Morella cerifera	
MOFA	Morella faya	
MOAL	Morus alba	
MORU2	Morus rubra	
MUSC	Muhlenbergia schreberi	
MUKE	Murdannia keisak	
MUBO	Muscari botryoides	
MYMU	Mycelis muralis	
MYOSO	Myosotis	
MYAR	Myosotis arvensis	
MYSC	Myosotis scorpioides	
MYSY	Myosotis sylvatica	
MYAQ2	Myriophyllum aquaticum	
MYHE2	Myriophyllum heterophyllum	
MYSPP2	Myriophyllum spicatum	
MYOD	Myrrhis odorata	
NAMI	Najas minor	
NADO	Nandina domestica	
NAJA5	Nanozostera japonica	
NAPS	Narcissus pseudonarcissus	
NAST3	Nardus stricta	
NAMA7	Nassella manicata	
NATE3	Nassella tenuissima	
NAOF	Nasturtium officinale	
NEME	Nemophila menziesii	
NECO5	Neolloydia conoidea	

domSCNTFC_CD		
Name	Description	Apply To
NECA2	Nepeta cataria	
NECO3	Nephrolepis cordifolia	
NECO4	Neraudia ovata	
NEOL	Nerium oleander	
NEPA3	Neslia paniculata	
NERE	Neyraudia reynaudiana	
NIACM	Nicotiana acuminata var. multiflora	
NIGL	Nicotiana glauca	
NYME	Nymphaea mexicana	
NYOD	Nymphaea odorata	
NYODO	Nymphaea odorata ssp. odorata	
NYODT	Nymphaea odorata ssp. tuberosa	
NYCR	Nymphoides cristata	
NYPE	Nymphoides peltata	
OEMA2	Oeceoclades maculata	
ONPI	Oncosiphon piluliferum	
ONVI	Onobrychis viciifolia	
ONAL5	Ononis alopecuroides	
ONAC	Onopordum acanthium	
ONIL	Onopordum illyricum	
ONTA	Onopordum tauricum	
OPHI	Oplismenus hirtellus	
OPHIU2	Oplismenus hirtellus ssp. undulatifolius	
OPAU10	Opuntia aurantiaca	
ORNU	Ornithogalum nutans	
ORUM	Ornithogalum umbellatum	
ORCE	Orobanche cernua	
ORCO4	Orobanche cooperi	

domSCNTFC_CD		
Name	Description	Apply To
ORCR	Orobanche crenata	
ORMI	Orobanche minor	
ORRA	Orobanche ramosa	
ORLO3	Oryza longistaminata	
ORPU13	Oryza punctata	
ORRU	Oryza rufipogon	
OSHE	Osmanthus heterophyllus	
OTAL	Ottelia alismoides	
OXMO	Oxalis montana	
OXOR	Oxalis oregana	
OXPE	Oxalis pes-caprae	
PACHY3	Pachysandra	
PATE11	Pachysandra terminalis	
PAAN4	Panicum antidotale	
PAMI2	Panicum miliaceum	
PAMIM	Panicum miliaceum ssp. miliaceum	
PAMIR	Panicum miliaceum ssp. ruderales	
PARE3	Panicum repens	
PATE6	Panicum tenuifolium	
PANUA	Papaver nudicaule ssp. americanum	
PARH2	Papaver rhoeas	
PALO8	Paraserianthes lophantha	
PARK12	Parkinsonia	
PAAC3	Parkinsonia aculeata	
PAHY	Parthenium hysterophorus	
PAQU2	Parthenocissus quinquefolia	
PASM	Pascopyrum smithii	
PADI3	Paspalum dilatatum	

domSCNTFC_CD		
Name	Description	Apply To
PASC6	Paspalum scrobiculatum	
PATA6	Passiflora tarminiana	
PASA2	Pastinaca sativa	
PATO2	Paulownia tomentosa	
PECA	Pedicularis canadensis	
PEHA	Peganum harmala	
PEAL	Pennisetum alopecuroides	
PECI	Pennisetum ciliare	
PECL2	Pennisetum clandestinum	
PEGL2	Pennisetum glaucum	
PEMA80	Pennisetum macrourum	
PEPE24	Pennisetum pedicellatum	
PEPEU	Pennisetum pedicellatum ssp. unispiculum	
PEPO14	Pennisetum polystachion	
PEPOS2	Pennisetum polystachion ssp. setosum	
PEPU2	Pennisetum purpureum	
PESE3	Pennisetum setaceum	
PEFR4	Perilla frutescens	
PHALA2	Phalaris	
PHAQ	Phalaris aquatica	
PHAR3	Phalaris arundinacea	
PHCA5	Phalaris canariensis	
PHMI3	Phalaris minor	
PHPR3	Phleum pratense	
PHDA4	Phoenix dactylifera	
PHRE	Phoenix reclinata	
PHVI81	Photinia villosa	
PHAU7	Phragmites australis	

domSCNTFC_CD		
Name	Description	Apply To
PHYLL6	Phyllostachys	
PHAU8	Phyllostachys aurea	
PHAU80	Phyllostachys aureosulcata	
PHLO4	Physalis longifolia	
PHLOL3	Physalis longifolia var. longifolia	
PHLOS	Physalis longifolia var. subglabrata	
PHVI17	Physalis viscosa	
PHYSO	Physocarpus	
PIHI	Picris hieracioides	
PIHIH	Picris hieracioides ssp. hieracioides	
PIHIK	Picris hieracioides ssp. kamtschatica	
PINUS	Pinus	
PISY	Pinus sylvestris	
PITH2	Pinus thunbergii	
PIMI3	Piptatherum miliaceum	
PIST2	Pistia stratiotes	
PIDU	Pithecellobium dulce	
PIUN2	Pittosporum undulatum	
PIVI5	Pittosporum viridiflorum	
PLFIF	Plagiobothrys figuratus ssp. figuratus	
PLANT	Plantago	
PLLA	Plantago lanceolata	
PLMA2	Plantago major	
P FORTUNEI	Pleioblastus fortunei	
PLSI2	Pleioblastus simonii	
PLSE	Pluchea sericea	
POAN	Poa annua	
POCO	Poa compressa	

domSCNTFC_CD		
Name	Description	Apply To
POPA2	Poa palustris	
POPR	Poa pratensis	
POPRI2	Poa pratensis ssp. irrigata	
POPRP2	Poa pratensis ssp. pratensis	
POTR2	Poa trivialis	
PODE	Polycarpon depressum	
POLYG4	Polygonum	
POAME	Polygonum amphibium var. emersum	
POAV	Polygonum aviculare	
POCE4	Polygonum cespitosum	
POCEL	Polygonum cespitosum var. longisetum	
POCO10	Polygonum convolvulus	
POCOC2	Polygonum convolvulus var. convolvulus	
POCU6	Polygonum cuspidatum	
PODOS2	Polygonum douglasii ssp. spergulariiforme	
POHY	Polygonum hydropiper	
POHY2	Polygonum hydropiperoides	
POLA4	Polygonum lapathifolium	
POPE10	Polygonum perfoliatum	
POPE3	Polygonum persicaria	
POPO5	Polygonum polystachyum	
POPR10	Polygonum ramosissimum var. prolificum	
POSA4	Polygonum sachalinense	
POBO10	Polygonum x bohemicum	
POMO5	Polypogon monspeliensis	
POVI9	Polypogon viridis	
POTR4	Poncirus trifoliata	
POAL7	Populus alba	

domSCNTFC_CD		
Name	Description	Apply To
POBA2	Populus balsamifera	
POFR2	Populus fremontii	
PONI	Populus nigra	
POTR5	Populus tremuloides	
POOL	Portulaca oleracea	
POCR3	Potamogeton crispus	
POOB4	Potamogeton oblongus	
POBI7	Potentilla biennis	
PORE5	Potentilla recta	
PRLO	Proboscidea louisianica	
PRLOF	Proboscidea louisianica ssp. fragrans	
PRLOL	Proboscidea louisianica ssp. louisianica	
PRAL11	Prosopis alata	
PRAR6	Prosopis argentina	
PRBU2	Prosopis burkartii	
PRCA9	Prosopis caldenia	
PRCA10	Prosopis calingastana	
PRCA11	Prosopis campestris	
PRCA12	Prosopis castellanosi	
PRCH2	Prosopis chilensis	
PRDE4	Prosopis denudans	
PREL5	Prosopis elata	
PRFA2	Prosopis farcta	
PRFE2	Prosopis ferox	
PRFI4	Prosopis fiebrigii	
PRGL2	Prosopis glandulosa	
PRHA4	Prosopis hassleri	
PRHU3	Prosopis humilis	

domSCNTFC_CD		
Name	Description	Apply To
PRKU2	Prosopis kuntzei	
PRPA4	Prosopis pallida	
PRPA10	Prosopis palmeri	
PRPU	Prosopis pubescens	
PRRE2	Prosopis reptans	
PRREC	Prosopis reptans var. cinerascens	
PRRO4	Prosopis rojasiana	
PRRU4	Prosopis ruizlealii	
PRRU5	Prosopis ruscifolia	
PRSE5	Prosopis sericantha	
PRST3	Prosopis strombulifera	
PRT03	Prosopis torquata	
PRVE	Prosopis velutina	
PRAV	Prunus avium	
PRLA5	Prunus laurocerasus	
PRPA5	Prunus padus	
PRVI	Prunus virginiana	
PSJU3	Psathyrostachys juncea	
PSSP2	Pseudolmedia spuria	
PSLO2	Pseudolysimachion longifolium	
PSJA	Pseudosasa japonica	
PSCA	Psidium cattleianum	
PSGU	Psidium guajava	
PTVI	Pteris vittata	
PUMO	Pueraria montana	
PUMOL	Pueraria montana var. lobata	
PUGR2	Punica granatum	
PYCA	Pycnanthemum californicum	

domSCNTFC_CD		
Name	Description	Apply To
PYAN	Pyracantha angustifolia	
P BETULIFO	Pyrus betulifolia	
PYCA80	Pyrus calleryana	
QUAC80	Quercus acutissima	
RAAC3	Ranunculus acris	
RAACA3	Ranunculus acris var. acris	
RAACF	Ranunculus acris var. frigidus	
RAFI	Ranunculus ficaria	
RARE3	Ranunculus repens	
RASA2	Raphanus sativus	
REMO2	Retama monosperma	
RHCA3	Rhamnus cathartica	
RHUT80	Rhamnus utilis	
RHRH2	Rheum rhabarbarum	
RHTO10	Rhodomyrtus tomentosa	
RHSC3	Rhodotypos scandens	
RHGL	Rhus glabra	
RHTY	Rhus typhina	
RHRE	Rhynchosia reniformis	
RIBES	Ribes	
RICO3	Ricinus communis	
ROHI	Robinia hispida	
ROPS	Robinia pseudoacacia	
ROAU	Rorippa austriaca	
ROSY	Rorippa sylvestris	
ROSA5	Rosa	
ROAR3	Rosa arkansana	
ROMU	Rosa multiflora	

domSCNTFC_CD		
Name	Description	Apply To
RORU82	Rosa rubiginosa	
RORU	Rosa rugosa	
RORO7	Rotala rotundifolia	
ROCO6	Rottboellia cochinchinensis	
RUBUS	Rubus	
RUAR	Rubus arcticus	
RUAR2	Rubus argutus	
RUAR9	Rubus armeniacus	
RUBI	Rubus bifrons	
RUEL3	Rubus ellipticus	
RUFR80	Rubus fruticosus	
RUIDI	Rubus idaeus ssp. idaeus	
RULA	Rubus laciniatus	
RUMO4	Rubus moluccanus	
RUPH	Rubus phoenicolasius	
RURO	Rubus rosifolius	
RUHI2	Rudbeckia hirta	
RUACA	Rumex acetosa ssp. acetosa	
RUAC3	Rumex acetosella	
RUCR	Rumex crispus	
RULO2	Rumex longifolius	
RUMA4	Rumex maritimus	
RUOB	Rumex obtusifolius	
RUPS	Rumex pseudonatronatus	
RYPI	Rytidosperma pilosum	
SARA3	Saccharum ravennae	
SASP	Saccharum spontaneum	
SAPR	Sagina procumbens	

domSCNTFC_CD		
Name	Description	Apply To
SAGR	Sagittaria graminea	
SAGRC2	Sagittaria graminea var. chapmanii	
SAGRG	Sagittaria graminea var. graminea	
SAGRW	Sagittaria graminea var. weatherbiana	
SASA7	Sagittaria sagittifolia	
SALIX	Salix	
SAEX	Salix exigua	
SAFR	Salix fragilis	
SAGO	Salix gooddingii	
SALSO	Salsola	
SACO8	Salsola collina	
SAKA	Salsola kali	
SAPA8	Salsola paulsenii	
SATR12	Salsola tragus	
SAVE6	Salsola vermiculata	
SAAE	Salvia aethiopis	
SAGL12	Salvia glutinosa	
SAPR2	Salvia pratensis	
SASC2	Salvia sclarea	
SAAU	Salvinia auriculata	
SABI9	Salvinia biloba	
SAHE7	Salvinia herzogii	
SAMO5	Salvinia molesta	
SAHY2	Sansevieria hyacinthoides	
SATR6	Sansevieria trifasciata	
SAOF4	Saponaria officinalis	
SCAT	Scabiosa atropurpurea	
SCSE6	Scaevola sericea	

domSCNTFC_CD		
Name	Description	Apply To
SCSES	Scaevola sericea var. sericea	
SCSET	Scaevola sericea var. taccada	
SCAR7	Schedonorus arundinaceus	
SCPR4	Schedonorus pratensis	
SCAC2	Schefflera actinophylla	
SCTE	Schinus terebinthifolius	
SCAR	Schismus arabicus	
SCBA	Schismus barbatus	
SCIRP	Scirpus	
SCHI	Scolymus hispanicus	
SECE	Secale cereale	
SEVU4	Securigera varia	
SEDUM	Sedum	
SEER2	Senecio eremophilus	
SEINE	Senecio integerrimus var. exaltatus	
SEJA	Senecio jacobaea	
SESQ	Senecio squalidus	
SESY	Senecio sylvaticus	
SEVI2	Senecio viscosus	
SEVU	Senecio vulgaris	
SEPE4	Senna pendula	
SEFA	Setaria faberi	
SEPA10	Setaria parviflora	
SEPU8	Setaria pumila	
SEVI4	Setaria viridis	
SEVIM	Setaria viridis var. major	
SEVIV	Setaria viridis var. viridis	
SEBU2	Severinia buxifolia	

domSCNTFC_CD		
Name	Description	Apply To
SIAR	Silene armeria	
SIDI4	Silene dioica	
SILA21	Silene latifolia	
SILAA3	Silene latifolia ssp. alba	
SINO	Silene noctiflora	
SIVU	Silene vulgaris	
SIMA3	Silybum marianum	
SIAL5	Sinapis alba	
SIAR4	Sinapis arvensis	
SIAL2	Sisymbrium altissimum	
SIIR	Sisymbrium irio	
SIOF	Sisymbrium officinale	
SIOR4	Sisymbrium orientale	
SOCA19	Solanum cardiophyllum	
SOCA3	Solanum carolinense	
SOCAC4	Solanum carolinense var. carolinense	
SOCAF	Solanum carolinense var. floridanum	
SODI	Solanum dimidiatum	
SODU	Solanum dulcamara	
SOEL	Solanum elaeagnifolium	
SOLA	Solanum lanceolatum	
SOMA	Solanum marginatum	
SONI	Solanum nigrum	
SOPH	Solanum physalifolium	
SOPS	Solanum pseudocapsicum	
SOCAL2	Solanum pumilum	
SORO	Solanum rostratum	
SOSC6	Solanum scabrum	

domSCNTFC_CD		
Name	Description	Apply To
SOTA3	Solanum tampicense	
SOTO4	Solanum torvum	
SOTR	Solanum triflorum	
SOVI2	Solanum viarum	
SOAR	Solidago arguta	
SOSE2	Soliva sessilis	
SONCH	Sonchus	
SOAR2	Sonchus arvensis	
SOARA2	Sonchus arvensis ssp. arvensis	
SOARU	Sonchus arvensis ssp. uliginosus	
SOAS	Sonchus asper	
SOOL	Sonchus oleraceus	
SOSO2	Sorbaria sorbifolia	
SOAU	Sorbus aucuparia	
SOAL	Sorghum alnum	
SOBI2	Sorghum bicolor	
SOBIA	Sorghum bicolor ssp. arundinaceum	
SOBIB	Sorghum bicolor ssp. bicolor	
SOBID	Sorghum bicolor ssp. drummondii	
SOHA	Sorghum halepense	
SOPR3	Sorghum propinquum	
SPTR	Sparaxis tricolor	
SPER	Sparganium erectum	
SPERS2	Sparganium erectum ssp. stoloniferum	
SPAL	Spartina alterniflora	
SPAN5	Spartina anglica	
SPDE2	Spartina densiflora	
SPPA	Spartina patens	

domSCNTFC_CD		
Name	Description	Apply To
SPJU2	Spartium junceum	
SPAR	Spergula arvensis	
SPRU	Spergularia rubra	
SPAL3	Spermacoce alata	
SPSA3	Sphaerophysa salsula	
SPTR6	Sphagneticola trilobata	
SPOL	Spinacia oleracea	
SPJA	Spiraea japonica	
SPPR	Spiraea prunifolia	
SPAI	Sporobolus airoides	
SPINI2	Sporobolus indicus var. indicus	
STME2	Stellaria media	
STOC4	Stereocaulon octomerum	
STAS2	Striga asiatica	
STDE4	Striga densiflora	
STGE2	Striga gesnerioides	
STHE8	Striga hermonthica	
STJA9	Styphnolobium japonicum	
STYRA	Styrax	
SYAS	Symphytum asperum	
SYOF	Symphytum officinale	
SYPO	Syngonium podophyllum	
SYRIN	Syringa	
SYRE2	Syringa reticulata	
SYVU	Syringa vulgaris	
SYCU	Syzygium cumini	
TACA8	Taeniatherum caput-medusae	
TAMI3	Tagetes minuta	

domSCNTFC_CD		
Name	Description	Apply To
TAAF	Tamarix africana	
TAAP	Tamarix aphylla	
TAAR6	Tamarix aralensis	
TACA9	Tamarix canariensis	
TACH2	Tamarix chinensis	
TAGA	Tamarix gallica	
TAPA4	Tamarix parviflora	
TARA	Tamarix ramosissima	
TATE7	Tamarix tetragyna	
TAVU	Tanacetum vulgare	
TALA2	Taraxacum laevigatum	
TAOF	Taraxacum officinale	
TAOFO	Taraxacum officinale ssp. officinale	
TECA	Terminalia catappa	
THASP	Thaspium	
THPO3	Thespesia populnea	
THIN6	Thinopyrum intermedium	
THAR5	Thlaspi arvense	
THPA7	Thymelaea passerina	
TIHE2	Tibouchina herbacea	
TOAR	Torilis arvensis	
TOARA	Torilis arvensis ssp. arvensis	
TOARP	Torilis arvensis ssp. heterophylla	
TORA2	Toxicodendron radicans	
TRFL	Tradescantia fluminensis	
TRSP8	Tradescantia spathacea	
TRDU	Tragopogon dubius	
TRNA	Trapa natans	

domSCNTFC_CD		
Name	Description	Apply To
TRSE6	Triadica sebifera	
TRTE	Tribulus terrestris	
TRPR5	Tridax procumbens	
TRAN6	Trifolium angustifolium	
TRAU2	Trifolium aureum	
TRCA5	Trifolium campestre	
TRDU2	Trifolium dubium	
TRHY	Trifolium hybridum	
TRKIM	Trifolium kingii ssp. macilentum	
TRLU	Trifolium lupinaster	
TRMI4	Trifolium microcephalum	
TRPR2	Trifolium pratense	
TRRE3	Trifolium repens	
TRVA	Trifolium variegatum	
TRPE21	Tripleurospermum perforatum	
TRAE	Triticum aestivum	
TREU3	Trollius europeus	
TRMA7	Tropaeolum majus	
TUUL	Turnera ulmifolia	
TUFA	Tussilago farfara	
TYAN	Typha angustifolia	
TYLA	Typha latifolia	
TYGL	Typha x glauca	
ULEU	Ulex europaeus	
ULPU	Ulmus pumila	
URLO	Urena lobata	
URMA3	Urochloa maxima	
URPA	Urochloa panicoides	

domSCNTFC_CD		
Name	Description	Apply To
URTDI	Urtica dioica	
URUR	Urtica urens	
UTIN	Utricularia inflata	
VAHI2	Vaccaria hispanica	
VAOF	Valeriana officinalis	
VEBL	Verbascum blattaria	
VETH	Verbascum thapsus	
VERBE	Verbena	
VEBR	Verbena bracteata	
VEFO	Vernicia fordii	
VEAN2	Veronica anagallis-aquatica	
VEAR	Veronica arvensis	
VECH	Veronica chamaedrys	
VEPEP	Veronica peregrina ssp. peregrina	
VEPEX2	Veronica peregrina ssp. xalapensis	
VEPE3	Veronica persica	
VESES	Veronica serpyllifolia ssp. serpyllifolia	
VESP80	Veronica spicata	
VIDI80	Viburnum dilatatum	
VIOP	Viburnum opulus	
VIPL	Viburnum plicatum	
VIRH	Viburnum rhytidophyllum	
VISE14	Viburnum setigerum	
VISI	Viburnum sieboldii	
VICR	Vicia cracca	
VICRC	Vicia cracca ssp. cracca	
VISAN2	Vicia sativa ssp. nigra	
VIVI	Vicia villosa	

domSCNTFC_CD		
Name	Description	Apply To
VINCA	Vinca	
VIMA	Vinca major	
VIMI2	Vinca minor	
VITR	Viola tricolor	
VIAL2	Viscum album	
VIAG	Vitex agnus-castus	
VITIS	Vitis	
VUMY	Vulpia myuros	
WASHI	Washingtonia	
WAFI	Washingtonia filifera	
WISTE	Wisteria	
WIFL	Wisteria floribunda	
WISI	Wisteria sinensis	
XANTH2	Xanthium	
XASP2	Xanthium spinosum	
YOJA	Youngia japonica	
YUAL	Yucca aloifolia	
YUFI	Yucca filamentosa	
ZAAE	Zantedeschia aethiopica	
ZAAM	Zanthoxylum americanum	
ZEMA	Zea mays	
ZYFA	Zygophyllum fabago	

domStateCD		
Name	Description	Apply To
AB	ALBERTA	ProposedBiologicalTreatment BiologicalTreatment
AK	ALASKA	
AL	ALABAMA	
AR	ARKANSAS	
AZ	ARIZONA	
BC	BRITISH COLUMBIA	
CA	CALIFORNIA	
CO	COLORADO	
CT	CONNECTICUT	
DC	DISTRICT OF COLUMBIA	
DE	DELAWARE	
FL	FLORIDA	
GA	GEORGIA	
HI	HAWAII	
IA	IOWA	
ID	IDAHO	
IL	ILLINOIS	
IN	INDIANA	
KS	KANSAS	
KY	KENTUCKY	
LA	LOUISIANA	
MA	MASSACHUSETTS	
MB	MANITOBA	
MD	MARYLAND	
ME	MAINE	
MI	MICHIGAN	
MN	MINNESOTA	

domStateCD		
Name	Description	Apply To
MO	MISSOURI	
MS	MISSISSIPPI	
MT	MONTANA	
NB	NEW BRUNSWICK	
NC	NORTH CAROLINA	
ND	NORTH DAKOTA	
NE	NEBRASKA	
NF	NEWFOUNDLAND	
NH	NEW HAMPSHIRE	
NJ	NEW JERSEY	
NM	NEW MEXICO	
NS	NOVA SCOTIA	
NT	NORTHWEST TERRITORIES	
NU	NUNAVUT	
NV	NEVADA	
NY	NEW YORK	
OH	OHIO	
OK	OKLAHOMA	
ON	ONTARIO	
OR	OREGON	
PA	PENNSYLVANIA	
PE	PRINCE EDWARD ISLAND	
QC	QUEBEC	
RI	RHODE ISLAND	
SC	SOUTH CAROLINA	
SD	SOUTH DAKOTA	
SK	SASKATCHEWAN	

domStateCD		
Name	Description	Apply To
TN	TENNESSEE	
TX	TEXAS	
UT	UTAH	
VA	VIRGINIA	
VT	VERMONT	
WA	WASHINGTON	
WI	WISCONSIN	
WV	WEST VIRGINIA	
WY	WYOMING	
YT	YUKON TERRITORY	

domTeam		
Name	Description	Apply To
AKEPMT	Alaska EPMT	All feature classes except PhotoLocation
CAEPMT	California EPMT	
FLCEPMT	Florida/Caribbean EPMT	
GCEPMT	Gulf Coast EPMT	
GLEPMT	Great Lakes EPMT	
HTLNEPMT	Heartland EPMT	
LAKEEPMT	Lake Mead EPMT	
MAEPMT	Mid-Atlantic EPMT	
NCCNEPMT	North Coast/Cascades Network EPMT	
NCREPMT	National Capitol Region EPMT	
NEEPMT	Northeast EPMT	
NGPEPMT	Northern Great Plains EPMT	
NRMEPMT	Northern Rocky Mountain EPMT	
PIEPMT	Pacific Islands EPMT	
PIHALEPMT	Pacific Islands EPMT--HALE	
PIHAVOEPMT	Pacific Islands EPMT--HAVO	
SECEPMT	Southeast Coast EPMT	
SEEPMT	Southeast EPMT	
SWEPMPT	Southwest EPMT	

Equipment_Output_UOM_Type_Name		
Name	Description	Apply To
GALLONS/ACRE	GALLONS/ACRE	ChemicalComponent
OUNCES/ACRE	OUNCES/ACRE	
PINTS/ACRE	PINTS/ACRE	
POUNDS/ACRE	POUNDS/ACRE	
QUARTS/ACRE	QUARTS/ACRE	

Equipment_Type_Name		
Name	Description	Apply To
AIRPLANE	AIRPLANE	ChemicalComponent
ATV	ATV	
BACKPACK	BACKPACK	
BOAT	BOAT	
CHAINSAW	CHAINSAW	
DRILL	DRILL	
FIXED WING	FIXED WING	
HAND SAW	HAND SAW	
HAND SPRAYER	HAND SPAYER	
HELICOPTER	HELICOPTER	
HOE	HOE	
MOWER	MOWER	
PULASKI	PULASKI	
SHOVEL	SHOVEL	
SKID	SKID	
TRUCK	TRUCK	
UTV	UTV	

Fuel_Model_Text		
Name	Description	Apply To
1 - SHORT GRASS (1 FT)	1 - SHORT GRASS (1 FT)	FireComponent
2 - TIMBER (GRASS/UNDERSTORY)	2 - TIMBER (GRASS/UNDERSTORY)	
3 - TALL GRASS (2.5 FT)	3 - TALL GRASS (2.5 FT)	
4 - CHAPARRAL (6FT)	4 - CHAPARRAL (6FT)	
5 - BRUSH (2 FT)	5 - BRUSH (2FT)	
6 - DORMANT BRUSH/HARDWOOD SLASH	6 - DORMANT BRUSH/HARDWOOD SLASH	
7 - SOUTHERN ROUGH	7 - SOUTHERN ROUGH	
8 - CLOSED TIMBER LITTER	8 - CLOSED TIMBER LITTER	
9 - HARDWOOD LITTER	9 - HARDWOOD LITTER	
10 - TIMBER (LITTER/UNDERSTORY)	10 - TIMBER (LITTER/UNDERSTORY)	
11 - LIGHT LOGGING SLASH	11 - LIGHT LOGGING SLASH	
12 - MEDIUM LOGGING SLASH	12 - MEDIUM LOGGING SLASH	
13 - HEAVY LOGGING SLASH	13 - HEAVY LOGGING SLASH	

Land_Use_Category_Name		
Name	Description	Apply To
BOAT LAUNCH	BOAT LAUNCH	WeedInfestation
BUILDINGS	BUILDINGS	
BURNED AREA	BURNED AREA	
CHAINED	CHAINED	
DIRT ROAD	DIRT ROAD	
DOMESTIC GRAZING	DOMESTIC GRAZING	
DRAINAGE DITCH	DRAINAGE DITCH	
FENCE LINE	FENCE LINE	
FLOODPLAIN	FLOODPLAIN	
IRRIGATION DITCH	IRRIGATION DITCH	
HISTORIC/CULTURAL	HISTORIC/CULTURAL	
LOGGING AREA	LOGGING AREA	
MINING AREA	MINING AREA	

Land_Use_Category_Name		
Name	Description	Apply To
OHV AREA	OHV AREA	
ORV ACTIVITY	ORV ACTIVITY	
PAVED ROAD	PAVED ROAD	
RECREATION SITE	RECREATION SITE	
RURAL DEVELOPMENT	RURAL DEVELOPMENT	
SENSITIVE SITE	SENSITIVE SITE	
TRAILHEAD	TRAILHEAD	
TRAILSIDE	TRAILSIDE	
TRANSPORTATION CORRIDOR	TRANSPORTATION CORRIDOR	
URBAN DEVELOPMENT	URBAN DEVELOPMENT	
UTILITY CORRIDOR	UTILITY CORRIDOR	
WATER IMPOUNDMENT	WATER IMPOUNDMENT	
WATER IMPROVEMENT	WATER IMPROVEMENT	
WILDLIFE HABITAT	WILDLIFE HABITAT	

Manual_Component_Class_Name		
Name	Description	Apply To
BRUSH CUTTER	BRUSH CUTTER	ManualComponent
CHAINSAW	CHAINSAW	
DIGGING	DIGGING	
HAND CUTTING	HAND CUTTING	
HOEING	HOEING	
LOPPING	LOPPING	
PULLING	PULLING	
PUSH MOWER	PUSH MOWER	
SEEDHEAD	SEEDHEAD	
WEED WHACKING	WEED WHACKING	
WRENCHING	WRENCHING	

Manufacturer_Name		
Name	Description	Apply To
AGRILIANCE, LLC	AGRILIANCE, LLC	ProposedChemicalTreatment ChemicalComponent
ALBAUGH INC/AGRI STAR	ALBAUGH INC/ AGRI STAR	
BASF AG	BASF AG	
CEREXAGRI INC.	CEREXAGRI INC.	
CHEMICAL PRODUCTS TECH, LLC	CHEMICAL PRODUCTS TECH, LLC	
CHEMINOVA	CHEMINOVA	
DOW AGROSCIENCES	DOW AGROSCIENCES	
DUPONT	DUPONT	
GRIFFIN COMPANY	GRIFFIN COMPANY	
HELENA CHEMICAL COMPANY	HELENA CHEMICAL COMPANY	
MONSANTO	MONSANTO	
NUFARM AMERICAS INC	NUFARM AMERICAS INC	
PBI GORDON CORPORATION	PBI GORDON CORPORATION	
PRO-SERVE	PRO-SERVE	
RIVERDALE CHEMICAL COMPANY	RIVERDALE CHEMICAL COMPANY	
SETRE (HELENA)	SETRE (HELENA)	
SSI MAXIM COMPANY INCORPORATED	SSI MAXIM COMPANY INCORPORATED	
SYNGENTA	SYNGENTA	
UAP-PLATTE CHEMICAL COMPANY	UAP-PLATTE CHEMICAL COMPANY	
VAN DIEST SUPPLY COMPANY	VAN DIEST SUPPLY COMPANY	
WILBUR-ELLIS COMPANY	WILBUR-ELLIS COMPANY	

Mechanical_Component_Class_Name		
Name	Description	Apply To
BLADING	BLADING	MechanicalComponent
BOILING WATER	BOILING WATER	
BULLDOZER	BULLDOZER	
CHAINING	CHAINING	
CHIPPING	CHIPPING	
CULTIVATION	CULTIVATION	
DISKING	DISKING	
PLOWING	PLOWING	
RIDING MOWER	RIDING MOWER	
ROOT PLOWING	ROOT PLOWING	
TRACTOR	TRACTOR	

Photo_Purpose		
Name	Description	Apply To
MONITOR	MONITOR	PhotoLocation
SURVEY	SURVEY	
TREAT	TREAT	

Physical_Access_Mode_Name		
Name	Description	Apply To
2-WHEEL DRIVE	2-WHEEL DRIVE	WeedInfestation
4-WHEEL DRIVE	4-WHEEL DRIVE	
AIR	AIR	
ATV	ATV	
BOAT	BOAT	
HORSE	HORSE	
NON-ACCESSIBLE	NON-ACCESSIBLE	
WALK IN	WALK IN	

Plant_Phenology_Name		
Name	Description	Apply To
ADULT	ADULT	TreatmentData WeedInfestation
BARE GROUND	BARE GROUND	
BOLT	BOLT	
BUD	BUD	
DISPERSED	DISPERSED	
DORMANT	DORMANT	
EMBRYO	EMBRYO	
FLOWER	FLOWER	
FLOWER BUD	FLOWER BUD	
FRUIT	FRUIT	
JUVENILE	JUVENILE	
LAG PHASE	LAG PHASE	
LEAF BUD	LEAF BUD	
LEAF OUT	LEAF OUT	
LOG PHASE	LOG PHASE	
MATURE	MATURE	
PRE-BUD	PRE-BUD	
ROSETTE	ROSETTE	
SEED SET	SEED SET	
SEEDLING	SEEDLING	
SENESCENT	SENESCENCE	
SPORE	SPORE	
STATIONARY PHASE	STATIONARY PHASE	
VEGETATIVE	VEGETATIVE	

Plant_Quantity_Method_Text		
Name	Description	Apply To
ACTUAL	ACTUAL	WeedInfestation
ESTIMATE	ESTIMATE	
OCULAR ESTIMATE	OCULAR ESTIMATE	
TRANSECT	TRANSECT	

Plant_Quantity_UOM_Type_Name		
Name	Description	Apply To
PER ACRE	PER ACRE	WeedInfestation
PER HECTARE	PER HECTARE	
PER SQUARE METER	PER SQUARE METER	
PER TOTAL AREA	PER TOTAL AREA	

Proposal_Approval_Code		
Name	Description	Apply To
APPROVED	APPROVED	ProposalTreatment
APPROVED WITH MODS	APPROVED WITH MODS	
DISAPPROVED	DISAPPROVED	

Protection_Method_Text		
Name	Description	Apply To
CLOSURE	CLOSURE	ProposalBiologicalTreatment BiologicalComponent
GATE	GATE	
LIVESTOCK ENCLOSURE	LIVESTOCK ENCLOSURE	
NONE	NONE	
SIGN	SIGN	
TENT	TENT	

Restoration_Component_Class_Name		
Name	Description	Apply To
AERATION	AERATION	RestorationComponent
CHAIN DRAGGING	CHAIN DRAGGING	
DECOMPACTION	DECOMPACTION	
EARTH MOVING/CONTOURING	EARTH MOVING/CONTOURING	
EXCLOSURES	EXCLOSURES	
FENCING	FENCING	
FERTILIZING	FERTILIZING	
JUTE MATTING	JUTE MATTING	
MULCHING	MULCHING	
NURSERY	NURSERY	
PLOWING/DISCING	PLOWING/DISCING	
SCARIFYING	SCARIFYING	
SEED COLLECTION	SEED COLLECTION	
SOIL IMPRINTING	SOIL IMPRINTING	
SOIL INVERSION	SOIL INVERSION	
SOIL RIPPING	SOIL RIPPING	
TARPING	TARPING	
THATCH REMOVAL	THATCH REMOVAL	
WATERING	WATERING	

Reveg_SCNTFC_CD		
Name	Description	Apply To
CEOC	Celtis occidentalis	RevegetationComponent
DIVI5	Diospyros virginiana	
IVFR	Iva frutescens	
MAVI2	Magnolia virginiana	
MUHLE	Muhlenbergia spp.	
NYSY	Nyssa sylvatica	
PAAM2	Panicum amarum	
PIELD	Pinus elliottii var. densa	
RHCO	Rhus copallinum	
SANIC4	Sambucus nigra ssp. canadensis	
SOSE	Solidago sempervirens	
SPAL	Spartina alterniflora	
SPCY	Spartina cynosuroides	
SPPA	Spartina patens	
SPSP	Spartina spartinae	

Revegetation_Phenology_Name		
Name	Description	Apply To
BARE ROOT	BARE ROOT	RevegetationComponent
CONTAINERIZED	CONTAINERIZED	
CUTTING	CUTTING	
SEED	SEED	

Role_Name		
Name	Description	Apply To
APPLICATOR	APPLICATOR	TreatmentData ProposedChemicalTreatment WeedInfestation
APPROVER	APPROVER	
CONTRACTOR	CONTRACTOR	
COOPERATOR	COOPERATOR	
EMPLOYEE	EMPLOYEE	
MAINTENANCE PROVIDER	MAINTENANCE PROVIDER	
MANAGER	MANAGER	
ORIGINATOR	ORIGINATOR	
OWNER	OWNER	
REVIEWER	REVIEWER	

Treatment_Area_Physical_Type_Name		
Name	Description	Apply To
ABANDONED CROPLAND	ABANDONED CROPLAND	TreatmentData
AGRICULTURE	AGRICULTURE	
AQUATIC	AQUATIC	
BEACH/OCEANSIDE	BEACH/OCEANSIDE	
BODY OF WATER	BODY OF WATER	
BOSQUE	BOSQUE	
CULTIVATED	CULTIVATED	
FOREST	FOREST	
GRASSLAND	GRASSLAND	
LANDSCAPING	LANDSCAPING	
RIPARIAN	RIPARIAN	
SHRUBLAND	SHRUBLAND	
TERRESTRIAL	TERRESTRIAL	
UPLAND	UPLAND	
WETLANDS	WETLANDS	
WOODLANDS	WOODLANDS	

Treatment_Coverage_Pattern_Type_Name		
Name	Description	Apply To
BAND	BAND	ChemicalComponent ProposedChemicalTreatment
BROADCAST	BROADCAST	
SPOT	SPOT	
WIPE/WICK	WIPE/WICK	

Treatment_Delivery_Method_Type_Name		
Name	Description	Apply To
AERIAL	AERIAL	ChemicalComponent ProposedChemicalTreatment
BASAL BARK	BASAL BARK	
DRILL/FILL	DRILL/FILL	
FOLIAR	FOLIAR	
GIRDLE	GIRDLE	
GROUND	GROUND	
HCK/SQRT	HACK/SQUIRT	
INJECT	INJECT	
STUMP	STUMP	

Treatment_Distance_To_Water		
Name	Description	Apply To
0 TO 10 FEET	0 TO 10 FEET	ChemicalComponent
10 TO 25 FEET	10 TO 25 FEET	
25 TO 100 FEET	25 TO 100 FEET	
GREATER THAN 100 FEET	GREATER THAN 100 FEET	

Treatment_Precipitation_Type_Name		
Name	Description	Apply To
DOWNPOUR	DOWNPOUR	ChemicalComponent
DRIZZLE	DRIZZLE	
FOG	FOG	
HAIL	HAIL	
NONE	NONE	
OTHER	OTHER	
SHOWER	SHOWER	
SLEET	SLEET	
SNOW	SNOW	

Treatment_Site_Type_Name		
Name	Description	Apply To
CHRISTMAS TREE/PLANTATIONS	CHRISTMAS TREE/PLANTATIONS	TreatmentData ProposedChemicalTreatment
CONSERVATION RESERVE PROGRAM (CRP)	CONSERVATION RESERVE PROGRAM (CRP)	
CROPLAND	CROPLAND	
FALLOW CROPLAND	FALLOW CROPLAND	
FENCEROWS	FENCEROWS	
FORESTRY	FORESTRY	
MARSHES	MARSHES	
NON-CROPLAND	NON-CROPLAND	
NURSERY	NURSERY	
PERMANENT PASTURE	PERMANENT PASTURE	
PONDS/LAKES	PONDS/LAKES	
QUIESCENT/SLOW MOVING	QUIESCENT/SLOW MOVING	
RANGELAND	RANGELAND	
RESERVOIR	RESERVOIR	
RIGHTS-OF-WAY	RIGHTS-OF-WAY	
RIPARIAN	RIPARIAN	
RIVERS/STREAMS/DITCHES/CANALS	RIVERS/STREAMS/ DITCHES/CANALS	

Treatment_Site_Type_Name		
Name	Description	Apply To
ROADSIDES	ROADSIDES	
UTILITIES	UTILITIES	
WETLANDS	WETLANDS	
WILDLIFE REFUGES	WILDLIFE REFUGES	

Treatment_Soil_Surface_Moisture_Type_Name		
Name	Description	Apply To
DRY	DRY	BiologicalComponent ChemicalComponent
MOIST	MOIST	
WET	WET	

Treatment_Wind_Direction Code		
Name	Description	Apply To
E	EAST	BiologicalComponent ChemicalComponent
ENE	EAST NORTH EAST	
ESE	EAST SOUTH EAST	
N	NORTH	
NE	NORTH EAST	
NNE	NORTH NORTH EAST	
NNW	NORTH NORTH WEST	
NW	NORTH WEST	
S	SOUTH	
SE	SOUTH EAST	
SSE	SOUTH SOUTH EAST	
SSW	SOUTH SOUTH WEST	
SW	SOUTH WEST	
W	WEST	
WNW	WEST NORTH WEST	
WSW	WEST SOUTH WEST	

Unit_Of_Measurement_Type_Name		
Name	Description	Apply To
PLANTS PER ACRE	PLANTS PER ACRE	RevegetationComponent
POUNDS PER ACRE	POUNDS PER ACRE	
SEED PER SQFT	SEED PER SQFT	

Weed_Survey_Type_Name		
Name	Description	Apply To
OBSERVED	OBSERVED	WeedSurvey
REMOTE	REMOTE	

Yes_No_Code		
Name	Description	Apply To
Y	YES	ProposedBiologicalTreatment
N	NO	

Appendix E: Links to NISIMS Files and Documents

NISIMS Web Interface:

<https://irma.nps.gov/NISIMS>

NISIMS Field Geodatabase:

<https://irma.nps.gov/App/Reference/Profile/2216090>

NISIMS Data Dictionary:

<https://irma.nps.gov/App/Reference/Profile/2222335>

NISIMS Species Lists:

NISIMS Invasive Plants List: <https://irma.nps.gov/App/Reference/Profile/2222379>

NISIMS Approved Biocontrol Agent Species List:

<https://irma.nps.gov/App/Reference/Profile/2222380>

NISIMS Revegetation Species List: <https://irma.nps.gov/App/Reference/Profile/2222381>

NISIMS Fields and Domains Guide:

<https://irma.nps.gov/DataStore/Reference/Profile/2229150>

NISIMS Technical User Guide:

<https://irma.nps.gov/DataStore/Reference/Profile/2229151>

APCAM to NISIMS Crosswalk:

<https://irma.nps.gov/App/Reference/Profile/2216092>