

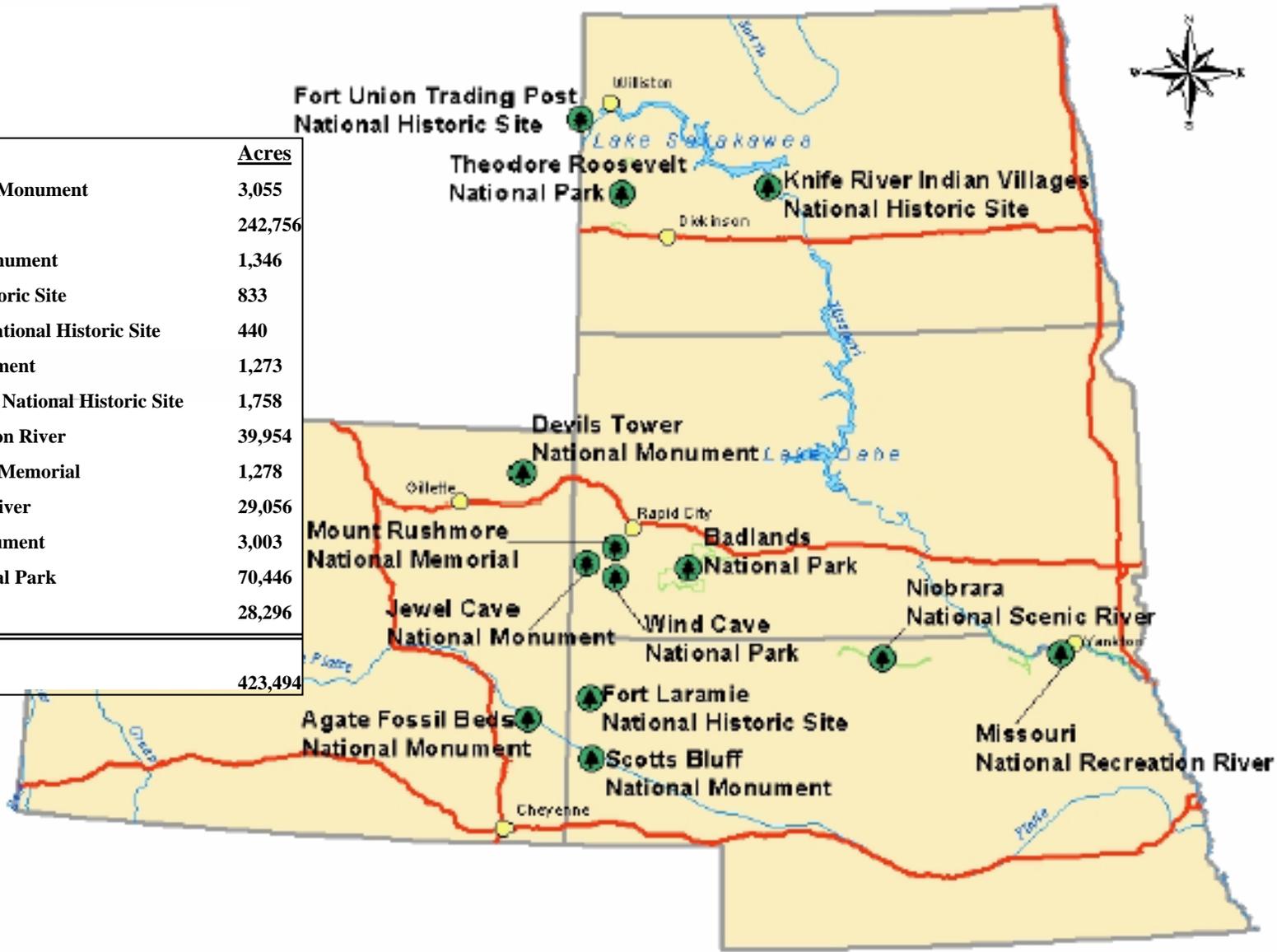
**DATA
MANAGEMENT
FOR THE
NGP-EPMT**

Northern Great Plains Exotic Plant Management Team

Host and Partner Parks



<u>Parks</u>	<u>Acres</u>
Agate Fossil Beds National Monument	3,055
Badlands National Park	242,756
Devil's Tower National Monument	1,346
Fort Laramie National Historic Site	833
Fort Union Trading Post National Historic Site	440
Jewel Cave National Monument	1,273
Knife River Indian Villages National Historic Site	1,758
Missouri National Recreation River	39,954
Mount Rushmore National Memorial	1,278
Niobrara National Scenic River	29,056
Scott's Bluff National Monument	3,003
Theodore Roosevelt National Park	70,446
Wind Cave National Park	28,296
Total Acres	423,494



Source: ESRI and NPS
Date: 22 Nov 02







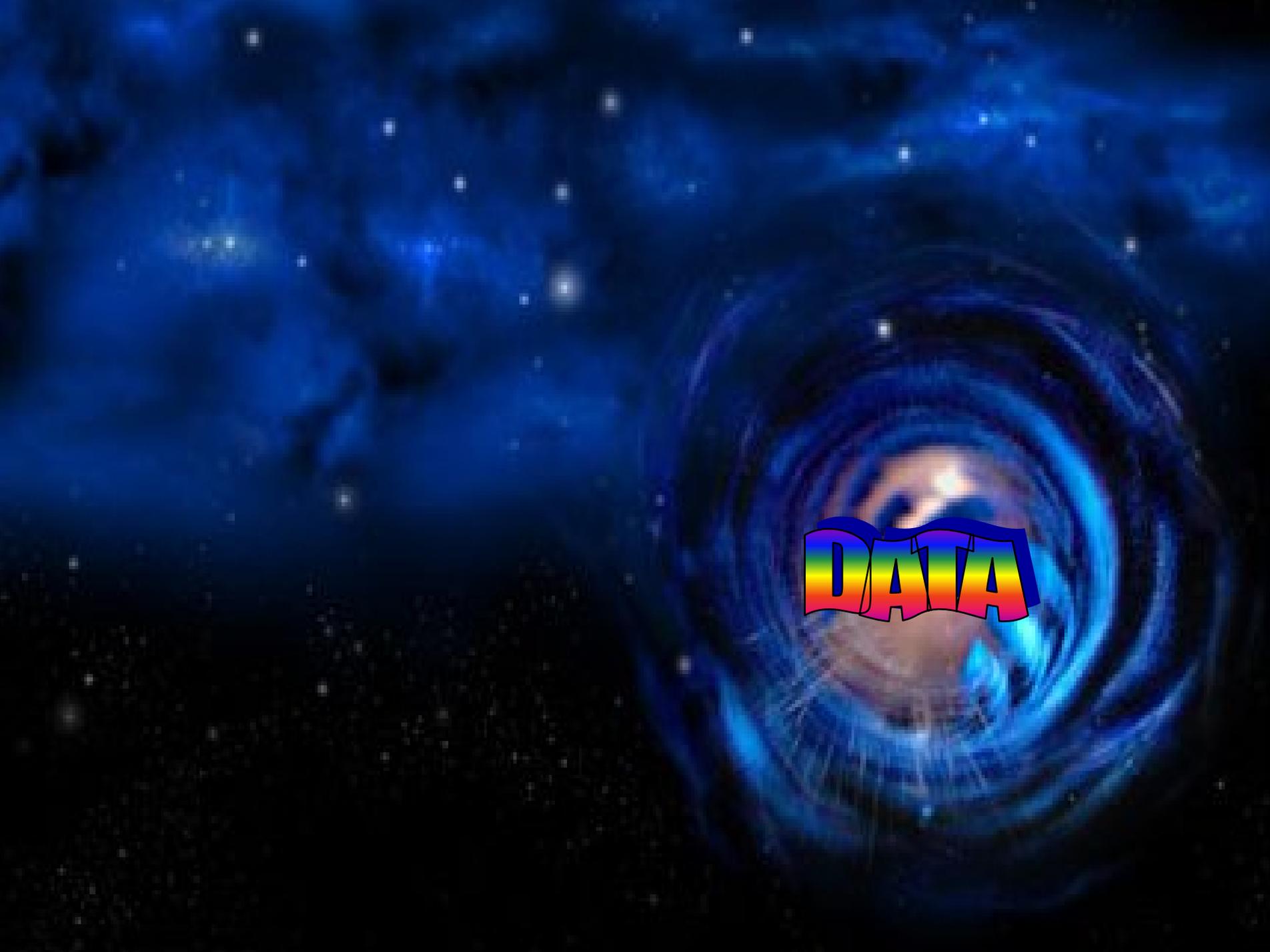




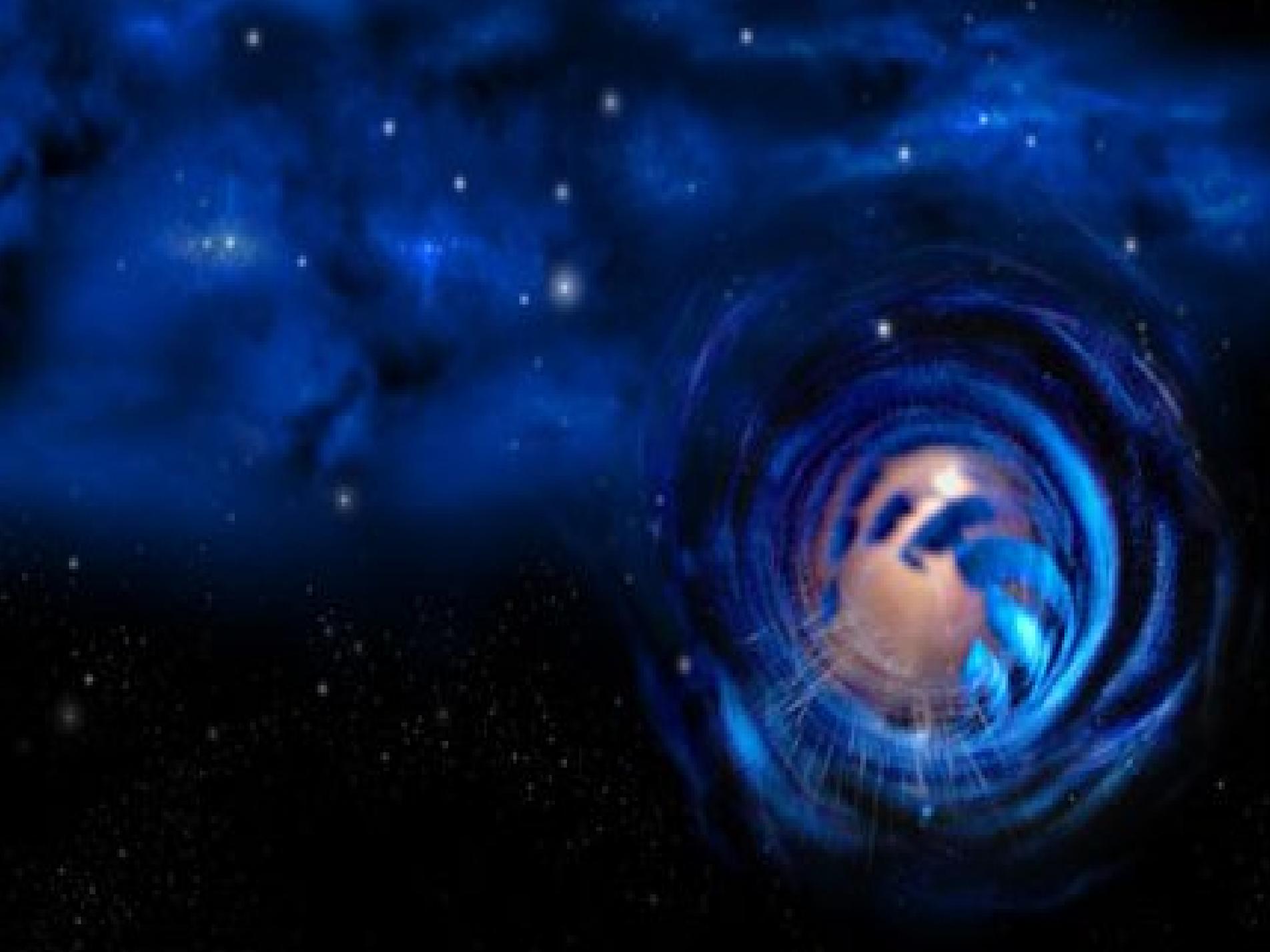


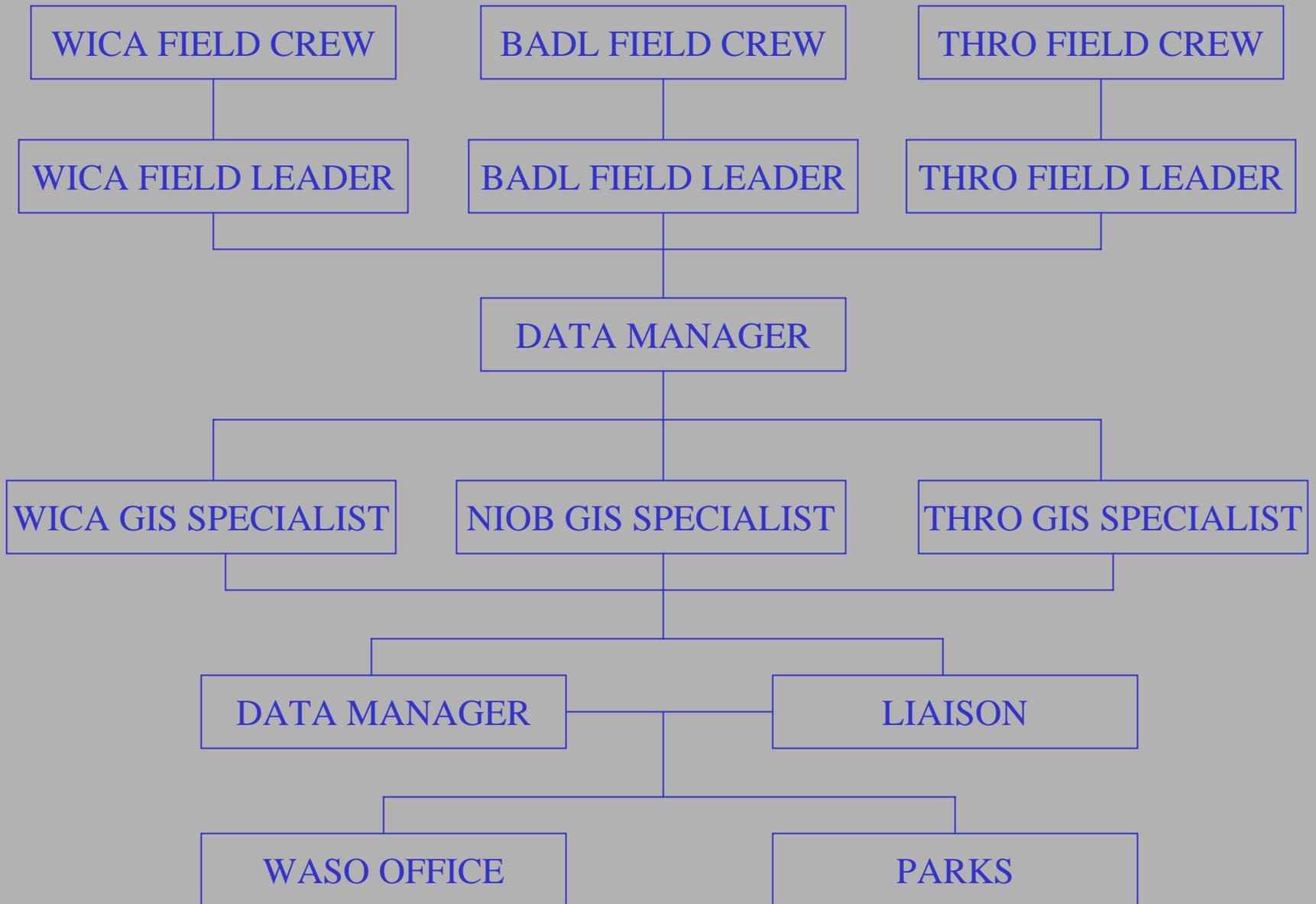
WHAT HAPPENS

TO THE DATA ?



DATA





STEP 1:

DATA COLLECTED IN THE FIELD





Name:

Comment:

- Features:**
- POLY- CHEMICAL APP
 - POLY- EXOTIC MAPPING
 - POLY- MANUAL OR MECH
 - POINT- CHEMICAL APP
 - POINT- EXOTIC MAPPING
 - POINT- MANUAL OR MECH

- Attributes:**
- PARK
 - ZONE
 - DATE
 - LOCATION_ID
 - LOCATION_DESCRIPTION
 - UTM_COORDS
 - CLOUD_COVER
 - TEMP_F
 - RH
 - WIND_DIRECTION
 - WIND_SPEED
 - EXOTIC_SPECIES
 - DENSITY
 - DISTRIBUTION
 - APPLICATION_METHOD
 - HERBICIDE
 - ESTIMATED_AMT_USED
 - TYPE_OF_DYE
 - TYPE_OF_SURFACTANT
 - REMARKS

- Menu**
- AGFO
 - BADL
 - DETO
 - FOLA
 - FOUS
 - JECA
 - KNRI
 - MNRR
 - MORU
 - NIOB
 - SCBL
 - THRO-ELK
 - THRO-NU
 - THRO-SU
 - WICA
- On Creation:
Required
- On Update:
Required

New Feature... F3

Edit Feature... F4

Delete Feature F5

New Attribute... F7

Edit Attribute... F8

Delete Attribute F9

Default Feature Settings:

Offset: Right 0.00m 0.00m

Accuracy: Code

Log Interval: 1 seconds

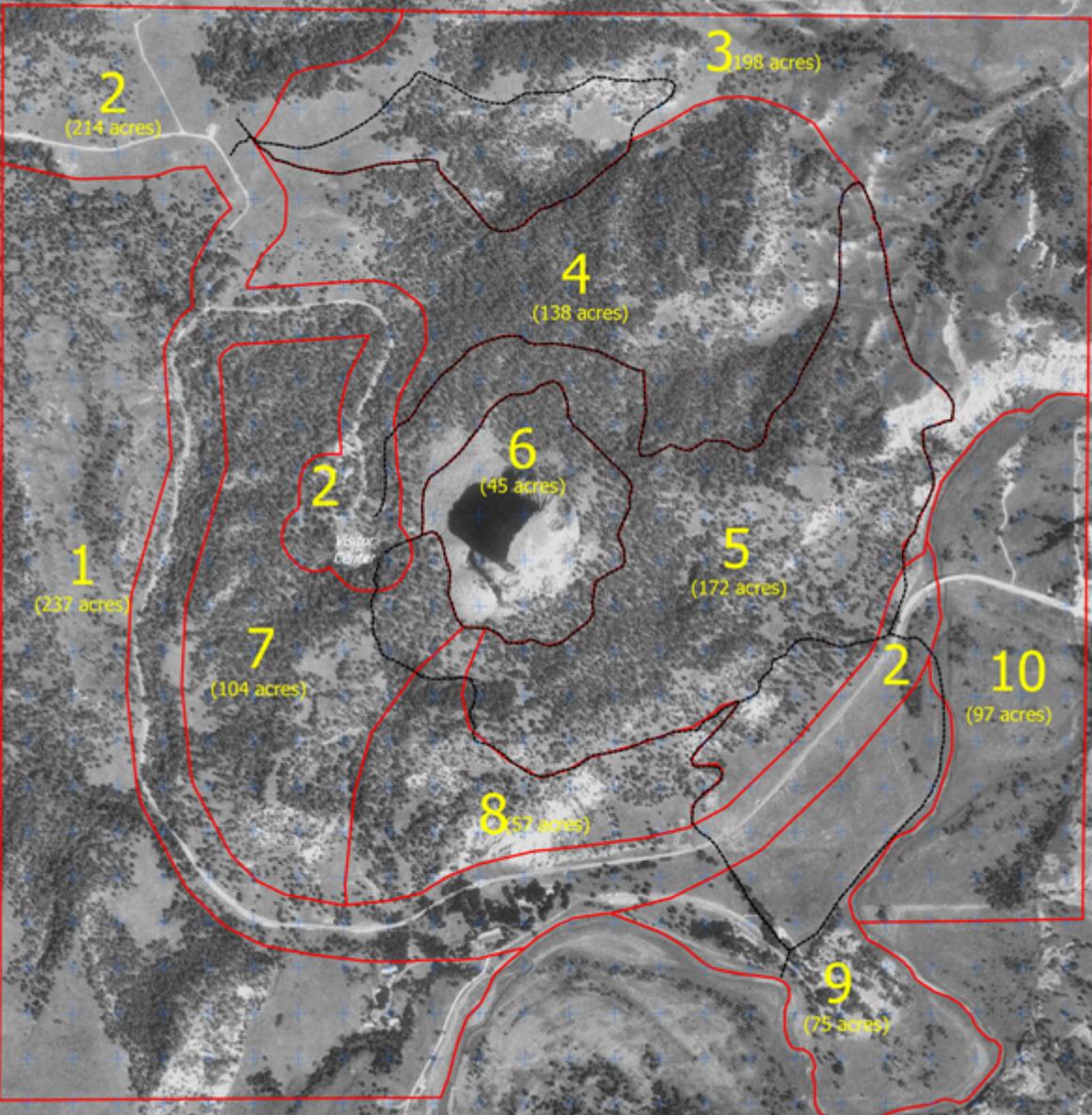
Label 1: DATE

Label 2: PARK

Press F1 for help

DETO EPMT Management Zones
Legend
— EPMT Management Zone
— NPS Trail

Map made using ESRI ArcGIS Desktop, spatial data provided by National Park Service, USGS, and other sources. Map created by NPS on 08/14/2018.



STEP 1:

DATA COLLECTED IN THE FIELD

STEP 2:

FIELD DATA REVIEWED

Main Menu Search Plant Taxonomic DB Unlock Lock Sync Module To LocID Sync Module To EventID Summary

Date	Team	Assoc Park	Activity	Hours	# Individuals	Total Person Hours	Comment
1/13/2003	NGPEPMT	THRO	Data Management	8	1	8	
1/13/2003	NGPEPMT	THRO	Project Planning	8	1	8	
1/14/2003	NGPEPMT	THRO	Data Management	8	1	8	
1/14/2003	NGPEPMT	THRO	Project Planning	8	1	8	
1/15/2003	NGPEPMT	THRO	Data Management	8	1	8	
1/15/2003	NGPEPMT	THRO	Project Planning	8	1	8	
1/16/2003	NGPEPMT	THRO	Data Management	8	1	8	
1/16/2003	NGPEPMT	THRO	Project Planning	8	1	8	
▶ 1/17/2003	NGPEPMT	AGFO		0	0	0	
* 1/17/2003	NGPEPMT	THRO	Data Management	0	0	0	

- Data Management
- Education & Outreach Activities
- Formal Meetings Attended
- Misc Park Activities
- Other Training for EPMT
- Project Planning
- Safety Training for EPMT
- Steering Committee Activities

STEP 1:

DATA COLLECTED IN THE FIELD

STEP 2:

FIELD DATA REVIEWED

STEP 3:

DATA MANAGER PROCESSES

Main Menu



The National Park Service

Natural Resources Information Division
Biological Resources Management Division

APCAM

Alien Plant Control and Monitoring

Lookup Tables Documents

Reports Utilities About

Close Main Menu

Northern Great Plains Exotic Plant Management Team

- Modules
- Edit List
- APCAM
 - LocationID/EventID
 - Weather
 - Activities Log
 - Biocontrol Collection
 - Canopy Cover Index
 - Plants Collected

LocationID/EventID

Find LocationID

***General** | ***FGDC Contact**

*LocationID: Date LocationID Created: mm/dd/yy

*Assoc Park: Initials of LocID Creator:

*In Park?:

General Location: *Geo How Current:

LocationID Description: Geo How Desired:

***EventID** **1 EventID(s) for this LocationID**

EventID | # of Individuals | Crew | APCAM Utilities

*Date (Start): mm/dd/yy *Total Person Hours (for Entire Event): Recorder (of Data):

Start Time: Preparation Time Person Hours:

Travel Time Person Hours:

↓ **EventID**

Record: of 1

↓ **LocationID**

Record: of 369

LocationID/EventID

Find LocationID [] Edit LocationID [] Save []

APCAM

Find LocationID [] * Required for Data Entry
 Find EventID [] + Required for Reporting

Date: 10/3/2002 Current Taxon: *Cirsium arvense* Save

*General | Area | Equipment | Count | Population | Remarks | Photos

*LocationID: ZONE 9 Total Person Hours (for this Taxon/Herbicide): 0

*EventID: ZONE 9_20021003_080000

InfestationID: 1003JG04

*Taxon: *Cirsium arvense*

*Action: Inventory

Exact Location: N 4672750 E 538719

Record: [] 510 [] of 522

EventID

Record: [] 1 [] of 1

LocationID

Record: [] 369 [] of 369

LocationID/EventID
 Find LocationID [] Edit LocationID [] Save []

APCAM

Find LocationID [] Find EventID []
 * Required for Data Entry
 + Required for Reporting Save []

Date: 10/3/2002 Current Taxon: **Cirsium arvense**

*General Area Equipment Count Population Remarks Photos

Inventoried

+Area Inventoried: 0.11514
 +Area Inventoried Unit: ac
 +Area Inventoried Acres: 0.11514

Gross Infested

+Gross Infest Area: 0.11514
 +Gross Infest Unit: ac
 +Gross Infst (Acres): 0.11514

% of Gross Infested = Infested

Cover Class Set (G): Daubennire
 Cover Class Code (G):
 Cover Class % (G): 0.0
 Cover Class Measurement Type (G):

Infested

InfestationID: 1003JG04

Width	Length	Units
0	0	

+Infest Area: 0.04318
 +Infest (Units): ac
 +Infest Area Source: Manually Entered

Treated

Monitored

Retreated

Record: 510 of 522

EventID
 Record: 1 of 1

LocationID
 Record: 369 of 369

APCAM

Find LocationID

Find EventID

* Required for Data Entry
+ Required for Reporting

Save

Date Current Taxon

*General Area Equipment Count Population Remarks

Equipment Used

	EquipmentUsed	Quantity	PersonHours
▶	GPS unit	1	8
*		0	0

Record: of 1

Record: of 522

APCAM

Find LocationID
Find EventID

* Required for Data Entry
+ Required for Reporting

Save

Date Current Taxon

*General Area Equipment Count Population Remarks

Infestation Density
Infestation Distribution

Record: of 522

APCAM

Find LocationID * Required for Data Entry
 Find EventID + Required for Reporting Save

Date Current Taxon

*General | Area | Equipment | Count | Population | Remarks

GPS File Name <input type="text" value="1003JG04"/>	Team <input type="text" value="NGPEPMT"/>
Remarks <input style="width: 100%; height: 50px;" type="text"/>	APCAM URI <input type="text" value="NGPEPMT_APCAM"/>
	APCAM-Aux.APCAMURI <input type="text" value="NGPEPMT_APCAM"/>
	Date Entered <input type="text" value="20030110075417"/>
	Date Edited <input type="text" value="20030110075417"/>

Record: of 522

Av2Ax ▾

APCAM

Find LocationID

Find EventID

Date **10/3/2002** Current Taxon **Cirsium arven**

*General	Area	Equipment	Count	Population	Remarks
*LocationID	ZONE 9				
*EventID	ZONE 9_20021003_080000				
InfestationID	1003JG04				
*Taxon	Cirsium arvense				
*Action	Inventory				
Exact Location	N 4672750 E 538719				

Record: 1 of 1 (Filtered)

ARCVIEW TO ACCESS: G:\2003_DATA\FOLA\FINAL\FOLA TEST.APR

File Edit View Theme Graphics Window Help ThemeManager Analysis Alas,aPak Av2Ax

Scale 1: 55,070,924 538,723.01 4,672,750.13

View1

- 2003 Mapping polyg

STEP 1:

DATA COLLECTED IN THE FIELD

STEP 2:

FIELD DATA REVIEWED

STEP 3:

DATA MANAGER PROCESSES

STEP 4:

GIS SPECIALISTS ANALYZE





thro_final_data_2002

Select an item to view its description.

See also:

[My Documents](#)

[My Network Places](#)

[My Computer](#)

Name ▲	Size	Type	Modified
info		File Folder	10/15/2002 8:17 AM
thro_bio_t		File Folder	10/15/2002 8:17 AM
thro_chem_p		File Folder	10/15/2002 8:17 AM
thro_chem_t		File Folder	10/15/2002 8:16 AM
thro_cov_p		File Folder	10/15/2002 8:16 AM
thro_map_p		File Folder	10/15/2002 8:16 AM
thro_bio_t.e00	75 KB	E00 File	10/9/2002 6:51 PM
thro_chem_p.e00	233 KB	E00 File	10/11/2002 4:39 PM
thro_chem_t.e00	13 KB	E00 File	10/11/2002 4:01 PM
thro_cov_p.e00	208 KB	E00 File	10/10/2002 7:26 PM
thro_epmt_project_map_2002.eps	1,421 KB	IrfanView EPS File	10/11/2002 10:06 AM
thro_epmt_project_map_2002.tif	99,404 KB	IrfanView TIF File	10/11/2002 10:09 AM
thro_map_p.e00	10,178 KB	E00 File	10/10/2002 7:30 PM

FOUS EPMT Project Map 2002

EPMT Herbicide Application Area (17.5 acres)

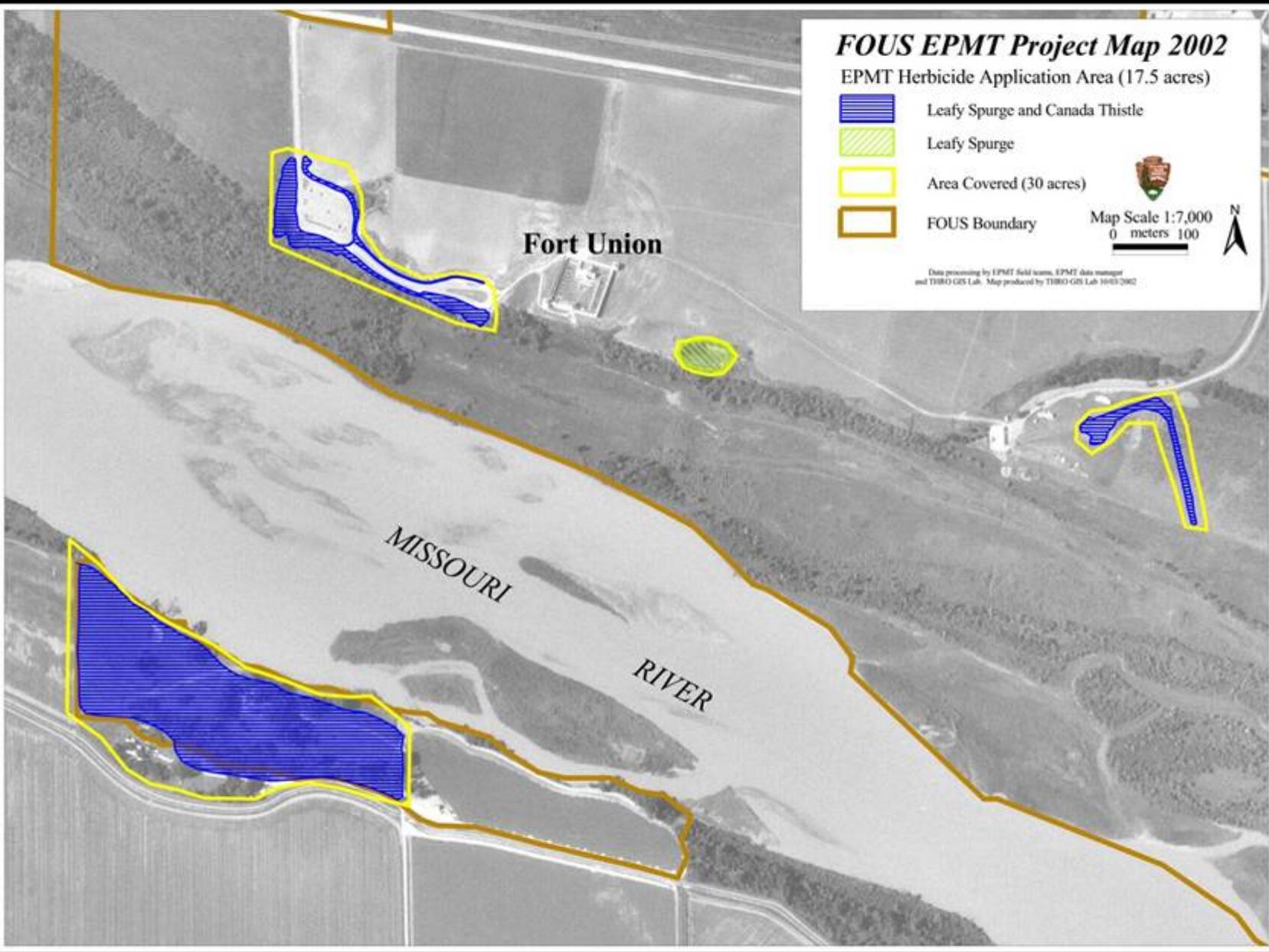
-  Leafy Spurge and Canada Thistle
-  Leafy Spurge
-  Area Covered (30 acres)
-  FOUS Boundary



Map Scale 1:7,000
0 meters 100



Data processing by EPMT field teams, EPMT data manager and TIBBO GIS Lab. Map produced by TIBBO GIS Lab 10/13/2002



deto_chem_p

Metadata also available as - [[Questions & Answers](#)] - [[Parseable text](#)] - [[SGML](#)]

Metadata:

- [Identification Information](#)
- [Metadata Reference Information](#)
- [Spatial Data Organization Information](#)
- [Spatial Reference Information](#)
- [Entity and Attribute Information](#)
- [Distribution Information](#)
- [Data Quality Information](#)

Identification Information:

Native_Data_Set_Environment:

Microsoft Windows 2000 Version 5.0 (Build 2195) Service Pack 2; ESRI ArcCatalog 8.2.0.700

Description:

Abstract:

Herbicide application areas for control of noxious weeds by the Northern Great Plains Exotic Plant Management Team (EPMT). Devil's Tower National Monument - Wyoming

Purpose:

Data collected for NPS management of noxious weeds and GIS analysis.

Citation:

Citation Information:

Originator: Northern Great Plains Exotic Plant Management Team (EPMT)

Publication Date: Unpublished Material

Title: deto_chem_p

Geospatial Data Presentation Form: vector digital data

STEP 1:

DATA COLLECTED IN THE FIELD

STEP 2:

FIELD DATA REVIEWED

STEP 3:

DATA MANAGER PROCESSES

STEP 4:

GIS SPECIALISTS ANALYZE

STEP 5:

REPORTING

QUARTERLY REPORTS:

MARCH 31

JUNE 30

SEPTEMBER 30

DECEMBER 31

ANNUAL REPORT:

OCTOBER 31

- Modules
[Edit List](#)
- APCAM
 - LocationID/EventID
 - Weather
 - Activities Log
 - Biocontrol Collection
 - Canopy Cover Index
 - Plants Collected

Main Menu

REPORTS

Close

Acres | Person Hours | Herbicide | Trip Reports

- Acres Inventoried per Species
- Acres Monitored per Species
- Acres Treated per Species
- Acres Retreated per Species
- Acres Gross Infested per Species
- Acres Infested per Species
- Acres Restored
- Eradicated Species

Northern Great Plains Exotic Plant Management Team

From: 10/1/2002

To: 9/30/2003

Acres Inventoried

APCAM Report

Northern Great Plains Exotic Plant Management Team

Park	Taxon	Acres Inventoried
FOLA	Carduus nutans	0.23103
	Cirsium arvense	1.06564
	Acres Inventoried in FOLA	
Total Acres Inventoried		1.29667

- Modules
[Edit List](#)
- APCAM
 - LocationID/EventID
 - Weather
 - Activities Log
 - Biocontrol Collection
 - Canopy Cover Index
 - Plants Collected

Main Menu

REPORTS

Close

Acres Person Hours Herbicide Trip Reports

- Person Hours per Team
- Person Hours for Prep and Travel
- Person Hours by Activity

Northern Great Plains Exotic Plant Management Team

Modules
Edit List
APCAM
LocationID/EventID
Weather
Activities Log
Biocontrol Collection
Canopy Cover Index
Plants Collected

Main Menu

REPORTS

Close

Acres | Person Hours | **Herbicide** | Summaries

- Herbicide Totals
- Herbicide Totals- IPM, Ground
- Herbicide Totals- IPM, Aerial
- Herbicide Totals- IPM, Aquatic
- Herbicide Totals- IPM, Single Application, Area Larger than 400 Acres

Northern Great Plains Exotic Plant Management Team

- Modules
Edit List
- APCAM
 - LocationID/EventID
 - Weather
 - Activities Log
 - Biocontrol Collection
 - Canopy Cover Index
 - Plants Collected

Main Menu

REPORTS

Close

Acres Person Hours Herbicide Summaries

- Trip Report Summary
- LocationID Summary

Northern Great Plains Exotic Plant Management Team

Any



Questions?