Noxious Weeds - POINTS
GIS DATA STANDARD

BLM New Mexico
October 2001

Standard coverage names:

<office>_nweed<2 digit year>x

[<office> = the multi-character abbreviation for the office]
[<2 digit year> = last 2 digits of the year of data collection]
[x = POINT data]

Valid feature types:

Points

Data description:

Contains POINT data (if 5 acres or smaller) for noxious weeds location, by year.

GPS Data dictionary (for TRIMBLE products, only):

A standard data dictionary has been developed ....(*see NMSO Geographic Sciences*).

Related documents/forms:

A standard 'sample field form' for collecting noxious weeds data in GIS .... *see APPENDIX #3.*

Point features:

The following Item Definitions table contains the valid items in the point attribute table (.pat) in addition to the default .pat items.

Item Definitions:

To accommodate certain text length limitations in ArcView and GPS data dictionaries the following limits apply:
- item names are limited ≤ 10 characters;
- menu elements in an item description are ≤ 20 characters.

ITEM NAME	INPUT WIDTH	OUTPUT WIDTH	ITEM TYPE	ITEM DESCRIPTION
veg_code	6	6	C	The 'plant code' ...*see APPENDIX #1* which can be linked to a look-up table for common & scientific names.
prcnt_cvr	6	6	C	A percent category of VEG_CODE within the larger AREA_CVR. This is estimated by the Observer ... *see APPENDIX #2* for categories.
inven_date	8	10	D	Date of inventory.
observer	20	20	C	Name of person doing the inventory.
col_method	30	30	C	Data Collection Method; e.g. DOQQs, 24K map, GPS etc.
assoc_veg	8	8	C	Associated vegetation - 1 or more characters, separated by a 'space' *... see APPENDIX #2.*
assoc_lu	8	8	C	Associated Land Use - 1 or more characters, separated by a 'space' *... see APPENDIX #2.*
revisit	3	3	C	'yes' or 'no'
purpose	3	3	C	Purpose of visit - 1 character *... see APPENDIX #2.*
cntrl_meth	3	3	C	Weed Control Method used ...*see APPENDIX #2.* Additional 'treatment' info will be in a separate coverage.
area_cvr	3	3	C	This is an acreage 'category' representing the actual infested area and <u>must be 5 acres or less</u>.
comments	50	50	C	

VEG_CODE - Appendix #1

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Source:
USDA, NRCS. 2001. The PLANTS Database, Version 3.1 (http://plants.usda.gov).
National Plant Data Center, Baton Rouge, LA 70874-4490 USA.

	Symbol	Common Name	Scientific Name
1.	**PEHA**	African rue	Peganum harmala
2.	**DRAR**	alfombrilla	Drymaria arenarioides
3.	**HYNI**	black henbane	Hyoscyamus niger
4.	**CIVU**	bull thistle	Cirsium vulgare
5.	**ALMA**	camelthorn	Alhagi pseudalhagi
6.	**CIAR**	Canada thistle	Cirsium arvense
7.	**LIDA**	Dalmatian toadflax	Linaria genistifolia ssp. dalmatica
8.	**CEDI**	diffuse knapweed	Centaurea diffusa
9.	**ISTI**	dyer's woad	Isatis tinctoria
10.	**MYSP2**	Eurasian watermilfoil (spike watermilfoil)	Myriophyllum spicatum
11.	**COAR**	field bindweed	Convolvulus arvensis
12.	**HAGL**	halogeton	Halogeton glomeratus
13.	**CADR**	hoary cress (whitetop)	Cardaria draba
14.	**HYVE**	hydrilla	Hydrilla verticillata
15.	**ACEY**	jointed goatgrass	Aegilops cylindrica
16.	**EUES**	leafy spurge	Euphorbia esula
17.	**CEME**	Malta starthistle	Centaurea melitensis
18.	**CANU**	musk thistle	Carduus nutans
19.	**ASFI**	onionweed	Asphodelus fistulosus
20.	**LELA2**	perennial pepperweed	Lepidium latifolium
21.	**COMA**	poison hemlock	Conium maculatum
22.	**LYSA**	purple loosestrife	Lythrum salicaria
23.	**CECA**	purple starthistle	Centaurea calcitrapa
24.	**ACRE**	Russian knapweed	Ambrosia grayi
25.	**ELAN**	Russian olive	Elaeagnus angustifolia
26.	**TASP**	saltcedar	Tamarix spp.
27.	**ONAC**	Scotch thistle	Onopordum acanthium
28.	**ULPU**	Siberian elm	Ulmus pumila
29.	**CEBI**	spotted knapweed	Centaurea maculosa
30.	**DIFU**	teasel	Dipsacus fullonum
31.	**CESO**	yellow starthistle	Cetaurea solstitialis
32.	**LIVU**	yellow toadflax	Linaria vulgaris

Appendix #2 - Item LookUp Tables

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PRCNT_CVR i.e. 'percent cover' of a noxious weed within the *AREA_CVR*;

1..... < 1% **2**..... 2-5% **3**..... 6-25%
4..... 26-50% **5**.....51-75% **6**....76-100%

ASSOC_VEG i.e. 'Associated Vegetation'- one or more characters *(separated by a 'space')*

A ....Forest
B.....Woodland
C....Shrubland
D....Grassland
E....Cultivated
F....Abandoned Cropland
G....Agriculture
H....Landscaping
I....Riparian near permanent water
J....Riparian near or in ephemeral waterway
K...Body of water
L ...Bosque

ASSOC_LU i.e. 'Associated Land Use' - one or more characters *(separated by a 'space')*

A....Boat Launch
B....Buildings
C....Burned
D....Chained
E....Dirt Road
F....Drainage Ditch
G....Fence Line
H....Floodplain
I....Grazing (domestic)
J....Grazing (wildlife)
K....Logging
L....Mining
M....ORV Activity
N....Paved Road
O....Recreation Site
P....Sensitive Site
Q....Trailside
R....Trailhead
S....Urban Development
T....Utility Corridor
U....Water Impoundment
V....Other

PURPOSE i.e. purpose for the field visit

I..... inventory
C... control
M..... monitor
MC ... monitor & control

CNTRL_METH i.e. 'Control Method' - one character

B....biological
H....herbicide
C....cultural
M....mechanical

AREA_CVR i.e. A category of 'area covered' by the noxious weed infestation (*points*)

S .... < 0.1 acre M .... 0.1-1 acre L.... 1.1 - 5 acres

Appendix #3: FIELD FORM (*sample*)
for GIS 'Noxious Weed' Data Entry - Points, Lines & Polygons

Field Office:_____

Observer(s):_____ **Observation Date**:_____

< Data Collection >

GPS Filename: _____ **GPS Unit**: _____ **Corrected:** ____
Mapped Data: _____ **Mapname**: _____ **Scale**: _____
Other (specify):
_____

_____**Area** or _____ **Line** or _____ **Point**

Location Description: *i.e. UTM or Lat/Long. or Other* _____
_____
_____
_____

.....for POINTS, only
Area Covered: Less than 0.1 Acre **[ ]** 0.1 -1 Acre **[ ]** 1.1 - 5 Acres **[ ]**

< See Attached 'Veg \ Plant Code' List (Appendix #1)>

..... for LINES & POLYGONS, only

		< 1%	2-5%	6-25%	26-50%	51-75%	76-100%
Veg Code1:_____	**Percent Cover**	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Veg Code2:_____	**Percent Cover**	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Veg Code3:_____	**Percent Cover**	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Veg Code4:_____	**Percent Cover**	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Veg Code5:_____	**Percent Cover**	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

< See Attached Code List (Appendix #2) >

Associated Veg Code:_____ **Associated Land Use**:_____

Revisit: Yes **[ ]** No **[ ]** **Purpose**: Inventory **[ ]** Monitoring **[ ]**
Control **[ ]** Monitor & Control **[ ]**

Control Method: None **[ ]** Mechanical **[ ]** Chemical **[ ]** Biological **[ ]** Cultural **[ ]**

Comments: