Summary

This data was collected as part of the Mill River Invasive Species Eradication Project supported by the Facilities Management Department at Smith College. All data was collected in areas A, B, C, and D, which are the river waterfront areas where Smith must manage invasives in perpetuity. This project was brought about by the installation of a synthetic turf field that impacted the riparian zone (river bank) of the Mill River.

Description

This data was collected in the summer of 2014 by Botanic Garden Summer Intern Jessie Blum '15. This was collected in areas A, B, C, and D by the Mill River at Smith College and includes only the Japanese barberry plants found that summer.

Credits

Spatial Analysis Lab, Botanic Garden, Facilities Management, Data collector - Jessie Blum '15, Data curator - Jessie Blum '15

Use limitations

There are no access and use limitations for this item.

Extent

- **West**: -72.645599  
- **East**: -72.633393  
- **North**: 42.326612  
- **South**: 42.314733

Scale Range

- **Maximum (zoomed in)**: 1:5,000  
- **Minimum (zoomed out)**: 1:50,000

ArcGIS Metadata

Topics and Keywords

- **Themes or categories of the resource**: biota, environment
Citation

- **Title**: Barberry_2014
- **Revision Date**: 2015-05-12 00:00:00
- **Presentation Formats**: digital map

Resource Details

- **Dataset Languages**: English (UNITED STATES)
- **Dataset Character Set**: utf8 - 8 bit UCS Transfer Format
- **Spatial Representation Type**: vector
- **Processing Environment**: Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.2.2.3552

Credits

Spatial Analysis Lab, Botanic Garden, Facilities Management, Data collector - Jessie Blum '15, Data curator - Jessie Blum '15

ArcGIS Item Properties

- **Name**: Barberry_2014
- **Size**: 0.007
- **Location**: file://\gis.smith.edu\home\Users\jblum\Data for Amanda\Areas A, B, C, D\2014\Barberry_2014.shp
- **Access Protocol**: Local Area Network

Extents

Geographic Extent

Bounding Rectangle

- **Extent Type**: Extent used for searching
- **West Longitude**: -72.645599
- **East Longitude**: -72.633393
- **North Latitude**: 42.326612
- **South Latitude**: 42.314733
- **Extent Contains the Resource**: Yes

Extent in the item’s coordinate system

- **West Longitude**: 105578.971422
- **East Longitude**: 106567.699373
- **South Latitude**: 896661.506489
- **North Latitude**: 897967.852102
- **Extent Contains the Resource**: Yes
Resource Points of Contact

Point of Contact
Individual's Name: Spatial Analysis Lab
Organization's Name: Smith College
Contact's Role: author

Spatial Reference

ArcGIS Coordinate System
* Type: Projected
* Geographic Coordinate Reference: GCS_North_American_1983
* Coordinate Reference Details
  Projected Coordinate System
    Well-known Identifier: 26986
    X Origin: -36530900
    Y Origin: -28803200
    XY Scale: 122610652.81195112
    Z Origin: -100000
    Z Scale: 10000
    M Origin: -100000
    M Scale: 10000
    XY Tolerance: 0.001
    Z Tolerance: 0.001
    M Tolerance: 0.001
    High Precision: true
  Latest Well-known Identifier: 26986
  Well-known Text: PROJCS
  ["NAD_1983_StatePlane_Massachusetts_Mainland_FIPS_2001",GEOGCS
  ["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID
  ["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT
  ["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER
  ["False_Easting",200000.0],PARAMETER["False_Northing",750000.0],PARAMETER
  ["Central_Meridian",-71.5],PARAMETER
  ["Standard_Parallel_1",41.71666666666667],PARAMETER
  ["Standard_Parallel_2",42.68333333333333],PARAMETER["Latitude_Of_Origin",41.0],UNIT
  ["Meter",1.0],AUTHORITY["EPSG",26986]]

Reference System Identifier
* Dimension: temporal
  * Value: 26986
  * Codespace: EPSG
  * Version: 8.2.6

Spatial Data Properties

Vector
* Level of Topology for this Dataset: geometry only

Geometric Objects
FEATURE CLASS NAME Barberry_2014
* OBJECT TYPE point
* OBJECT COUNT 267

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ►
FEATURE CLASS NAME Barberry_2014
* FEATURE TYPE Simple
* GEOMETRY TYPE Point
* HAS TOPOLOGY FALSE
* FEATURE COUNT 267
* SPATIAL INDEX TRUE
* LINEAR REFERENCING FALSE

Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties ▲

Distribution ►

DISTRIBUTION FORMAT
* NAME Shapefile

TRANSFER OPTIONS
* TRANSFER SIZE 0.007

Hide Distribution ▲

Fields ►

DETAILS FOR OBJECT Barberry_2014 ►
* TYPE Feature Class
* ROW COUNT 267
DEFINITION
Points

DEFINITION SOURCE
Jessie Blum '15

FIELD FID ►
* ALIAS FID
* DATA TYPE OID
* WIDTH 4
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION
  Internal feature number.

* DESCRIPTION SOURCE
  Esri

* DESCRIPTION OF VALUES
  Sequential unique whole numbers that are automatically generated.
FIELD Shape ▶
  * ALIAS Shape
  * DATA TYPE Geometry
  * WIDTH 0
  * PRECISION 0
  * SCALE 0
  * FIELD DESCRIPTION
    Feature geometry.

  * DESCRIPTION SOURCE
    Esri

  * DESCRIPTION OF VALUES
    Coordinates defining the features.

FIELD Age ▶
  * ALIAS Age
  * DATA TYPE String
  * WIDTH 60
  * PRECISION 0
  * SCALE 0
  * FIELD DESCRIPTION
    Whether the plant was adult (visible fruit or seed on plant) or juvenile (no visible fruit/seed).

  * DESCRIPTION SOURCE
    Jessie Blum ’15

FIELD GPS_Date ▶
  * ALIAS GPS_Date
  * DATA TYPE Date
  * WIDTH 8
  * PRECISION 0
  * SCALE 0
  * FIELD DESCRIPTION
    Date that the data was mapped.

  * DESCRIPTION SOURCE
    Jessie Blum ’15

FIELD Feat_Name ▶
  * ALIAS Feat_Name
DATA TYPE String
WIDTH 20
PRECISION 0
SCALE 0
FIELD DESCRIPTION
Name of the invasive species mapped.

DESCRIPTION SOURCE
Jessie Blum '15

Hide Field Feat_Name ▲

Hide Details for object Barberry_2014 ▲

Hide Fields ▲

Metadata Details ►

* METADATA LANGUAGE  English (UNITED STATES)
* METADATA CHARACTER SET  utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER  Barberry_2014

SCOPE OF THE DATA DESCRIBED BY THE METADATA  * dataset
SCOPE NAME  * dataset

* LAST UPDATE  2015-05-19

ARCgis METADATA PROPERTIES
METADATA FORMAT  ArcGIS 1.0
STANDARD OR PROFILE USED TO EDIT METADATA  ISO19139

CREATED IN ARCgis FOR THE ITEM  2015-04-07 16:47:04
LAST MODIFIED IN ARCgis FOR THE ITEM  2015-05-19 17:29:00

AUTOMATIC UPDATES
HAVE BEEN PERFORMED  Yes
LAST UPDATE  2015-05-19 17:28:54

ITEM LOCATION HISTORY
ITEM COPIED OR MOVED  2015-04-07 16:47:04
FROM  J:\japanese_barberry_merge
TO  \gis\home\users\jblum\Data for Amanda\2014\japanese_barberry_merge

Hide Metadata Details ▲

Metadata Contacts ►

METADATA CONTACT
INDIVIDUAL'S NAME  Spatial Analysis Lab
ORGANIZATION'S NAME  Smith College
CONTACT'S ROLE  author