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 area D by the Mill River at Smith College and includes only the Autumn Olive 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 -72.645026  East -72.645026
North  42.317565  South  42.317565

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  environment, biota
Citation

- **Title**: AutumnOlive_2014
- **Publication Date**: 2015-05-12 00:00:00
- **Presentation Formats**: digital map

Resource Details

- **Dataset Languages**: English (UNITED STATES)
- **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**: AutumnOlive_2014
- **Size**: 0.000
- **Location**: file://\gis.smith.edu\home\Users\jblum\Data for Amanda\Areas A, B, C, D\2014\AutumnOlive_2014.shp
- **Access Protocol**: Local Area Network

Extents

- Geographic Extent
  - **Bounding Rectangle**
    - **Extent Type**: Extent used for searching
    - **West Longitude**: -72.645026
    - **East Longitude**: -72.645026
    - **North Latitude**: 42.317565
    - **South Latitude**: 42.317565
    - **Extent Contains the Resource**: Yes

  - **Extent in the Item’s Coordinate System**
    - **West Longitude**: 105612.810676
    - **East Longitude**: 105612.810676
    - **South Latitude**: 896975.632682
    - **North Latitude**: 896975.632682
    - **Extent Contains the Resource**: Yes
**Resource Points 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
- **PROJECTION**  NAD_1983_StatePlane_Massachusetts_Mainland_FIPS_2001
- **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

**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**  AutumnOlive_2014
- **OBJECT TYPE**  point
ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME AutumnOlive_2014

- FEATURE TYPE Simple
- GEOMETRY TYPE Point
- HAS TOPOLOGY FALSE
- FEATURE COUNT 1
- SPATIAL INDEX TRUE
- LINEAR REFERENCING FALSE

Distribution

DISTRIBUTION FORMAT
- NAME Shapefile

TRANSFER OPTIONS
- TRANSFER SIZE 0.000

Fields

DETAILS FOR OBJECT AutumnOlive_2014

- TYPE Feature Class
- ROW COUNT 1

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

<table>
<thead>
<tr>
<th>Field</th>
<th>Alias</th>
<th>Data Type</th>
<th>Width</th>
<th>Precision</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
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<td>Shape</td>
<td>Geometry</td>
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<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Field Description**

Feature geometry.

**Description Source**

Esri

**Description of Values**

Coordinates defining the features.

### Field Age

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<thead>
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<th>Field</th>
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<th>Data Type</th>
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<th>Scale</th>
</tr>
</thead>
<tbody>
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<td>Age</td>
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<td>0</td>
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</tbody>
</table>

**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

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<th>Field</th>
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<th>Data Type</th>
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<th>Precision</th>
<th>Scale</th>
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</thead>
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<td>Date</td>
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</table>

**Field Description**

Date that the data was mapped.

**Description Source**

Jessie Blum '15

### FieldFeat_Name

<table>
<thead>
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<th>Alias</th>
<th>Data Type</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feat_Name</td>
<td>Feat_Name</td>
<td>String</td>
<td>20</td>
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</tbody>
</table>
**FIELD DESCRIPTION**
Name of the invasive species mapped.

**DESCRIPTION SOURCE**
Jessie Blum '15

**Metadata Details**

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

**METADATA IDENTIFIER** AutumnOlive_2014

**SCOPE OF THE DATA DESCRIBED BY THE METADATA**
- *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 16:48:21
**LAST MODIFIED IN ARCGIS FOR THE ITEM** 2015-05-19 17:27:20

**AUTOMATIC UPDATES**
- **HAVE BEEN PERFORMED** Yes
- **LAST UPDATE** 2015-05-19 17:26:49

**ITEM LOCATION HISTORY**
- **ITEM COPIED OR MOVED** 2015-04-07 16:48:21
  - **FROM** J:\Export3\Autumn_O
  - **TO** \gis\home\users\jblum\Data for Amanda\2014\Autumn_O

**Metadata Contacts**

- **INDIVIDUAL’S NAME** Spatial Analysis Lab
- **ORGANIZATION’S NAME** Smith College
- **CONTACT’S ROLE** author

**Thumbnail and Enclosures**
FGDC Metadata (read-only)