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 2013 by Botanic Garden Summer Intern Emily DiPadova ’16. This was collected in areas A, B, C, and D by the Mill River at Smith College and includes only the Oriental Bittersweet plants found that summer.

Credits

Spatial Analysis Lab, Botanic Garden, Facilities Management, Data collector - Emily DiPadova '16, Data curator - Jessie Blum '15

Use limitations

There are no access and use limitations for this item.

Extent

<table>
<thead>
<tr>
<th>West</th>
<th>East</th>
</tr>
</thead>
<tbody>
<tr>
<td>-178.778252</td>
<td>-72.513882</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>North</th>
<th>South</th>
</tr>
</thead>
<tbody>
<tr>
<td>77.752763</td>
<td>4.227434</td>
</tr>
</tbody>
</table>

Scale Range

<table>
<thead>
<tr>
<th>Maximum (zoomed in)</th>
<th>Minimum (zoomed out)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:5,000</td>
<td>1:50,000</td>
</tr>
</tbody>
</table>

ArcGIS Metadata

Topics and Keywords
Themes or Categories of the Resource: biota, environment

Content Type: Downloadable Data

Export to FGDC CSDGM XML Format as Resource Description: No

Citation

* Title: Bittersweet_2013
* Revision Date: 2015-05-12 00:00:00

Presentation Formats: * digital map

Hide Citation

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 - Emily DiPadova '16, Data curator - Jessie Blum '15

ArcGIS Item Properties

* Name: Bittersweet_2013
* Size: 0.006
* Location: file://\gis.smith.edu\home\Users\jblum\Data for Amanda\Areas A, B, C, D\2013\Bittersweet_2013.shp
* Access Protocol: Local Area Network

Hide Resource Details

Extents

Extent

Geographic Extent

Bounding Rectangle

* West Longitude: -178.778252
* East Longitude: -72.513882
* North Latitude: 77.752763
* South Latitude: 4.227434
* Extent Contains the Resource: Yes

Extent in the Item’s Coordinate System

* West Longitude: -8198923.560847
* East Longitude: 105762.415357
* South Latitude: 42.317145
* North Latitude: 5208750.720999
* Extent Contains the Resource: Yes
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
    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
          ["StandardParallel_1",41.71666666666667],PARAMETER
          ["StandardParallel_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  Bittersweet_2013
  * OBJECT TYPE  point
  * OBJECT COUNT  210
* FEATURE TYPE Simple
* GEOMETRY TYPE Point
* HAS TOPOLOGY FALSE
* FEATURE COUNT 210
* SPATIAL INDEX TRUE
* LINEAR REFERENCING FALSE

Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties ▲

Distribution ►

DISTRIBUTION FORMAT
* NAME Shapefile

TRANSFER OPTIONS
* TRANSFER SIZE 0.006

Hide Distribution ▲

Fields ►

DETAILS FOR OBJECT Bittersweet_2013 ►
* TYPE Feature Class
* ROW COUNT 210

DEFINITION SOURCE
Jessie Blum '15

DEFINITION
Points

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.

Hide Field FID ▲

FIELD Shape ►
* ALIAS Shape
* DATA TYPE Geometry
Feature geometry.

**DESCRIPTION SOURCE**
Esri

**DESCRIPTION OF VALUES**
Coordinates defining the features.

**FIELD Size**
- **ALIAS** Size
- **DATA TYPE** Single
- **WIDTH** 6
- **PRECISION** 5
- **SCALE** 2

**FIELD DESCRIPTION**
The number of plants counted around the point. Total invasives = 1 (point) + however many are in this field.

**DESCRIPTION SOURCE**
Jessie Blum '15

**FIELD Age**
- **ALIAS** Age
- **DATA TYPE** String
- **WIDTH** 20
- **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**
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

Metadata Details

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

METADATA IDENTIFIER Bittersweet_2013

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 16:39:01
LAST MODIFIED IN ARCGIS FOR THE ITEM 2015-05-19 15:17:16

AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2015-05-19 15:17:05

ITEM LOCATION HISTORY
ITEM COPIED OR MOVED 2015-04-21 14:50:21
FROM J:\Data for Amanda\Areas A, B, C, D\2010\Bittersweet_2013
TO \gis\home\users\jblum\Data for Amanda\Areas A, B, C, D\2013\Bittersweet_2013