**Buckthorn_2014**

*Shapefile*

**Tags**
- Rhamnus frangula
- Rhamnus cathartica
- Glossy Buckthorn
- Common Buckthorn
- Mill River
- Smith College
- Invasives
- Eradication
- Riparian Zone

**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 Buckthorn 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 -72.645192  East -72.643939
North 42.317764  South 42.317053

**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

* Content Type: Downloadable Data

Export to FGDC CSDGM XML Format as Resource Description: No

Hide Topics and Keywords ▲

Citation ▶

* Title: Buckthorn_2014

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 - Jessie Blum ’15, Data curator - Jessie Blum ’15

ArcGIS Item Properties
* Name: Buckthorn_2014
* Size: 0.000
* Location: file://\gis.smith.edu\home\Users\jblum\Data for Amanda\Areas A, B, C, D\2014\Buckthorn_2014.shp
* Access Protocol: Local Area Network

Hide Resource Details ▲

Extents ▶

Extent
Geographic Extent
Bounding Rectangle
* Extent Type: Extent used for searching
* West Longitude: -72.645192
* East Longitude: -72.643939
* North Latitude: 42.317764
* South Latitude: 42.317053
* Extent Contains the Resource: Yes

Extent in the Item’s Coordinate System
* West Longitude: 105599.470010
* East Longitude: 105701.721595
* South Latitude: 896918.845276
* North Latitude: 896996.533888
* 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

**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_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  Buckthorn_2014
  - Object Type  point
  - Object Count  15

**ARCGIS FEATURE CLASS PROPERTIES**

- Feature Class Name  Buckthorn_2014
**FEATURE TYPE** Simple
**GEOMETRY TYPE** Point
**HAS TOPOLOGY** FALSE
**FEATURE COUNT** 15
**SPATIAL INDEX** TRUE
**LINEAR REFERENCING** FALSE

Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties ▲

**Distribution ▶**

**DISTRIBUTION FORMAT**
* **NAME** Shapefile

**TRANSFER OPTIONS**
* **TRANSFER SIZE** 0.000

Hide Distribution ▲

**Fields ▶**

**DETAILS FOR OBJECT Buckthorn_2014 ▶**
* **TYPE** Feature Class
* **ROW COUNT** 15

**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.

Hide Field FID ▲

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

**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
**Metadata Details**

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

**METADATA IDENTIFIER**: Buckthorn_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 16:47:29

**LAST MODIFIED IN ARCGIS FOR THE ITEM**: 2015-05-19 17:31:07

**AUTOMATIC UPDATES**

- **HAVE BEEN PERFORMED**: Yes
- **LAST UPDATE**: 2015-05-19 17:31:02

**ITEM LOCATION HISTORY**

- **ITEM COPIED OR MOVED**: 2015-04-07 16:47:29
- **FROM**: J:\buckthorn_merge
- **TO**: \gis\home\users\jblum\Data for Amanda\2014\buckthorn_merge

**Metadata Contacts**

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

**Thumbnail and Enclosures**

- **THUMBNAIL TYPE**: JPG

**FGDC Metadata (read-only)**