Town Hill Barren NHA

# Site Description

Site Description - this should be about a one paragraph description of the site describing its location, size, major habitats, or other descriptive information about the site. General species info can be placed here (e.g. *“The wetlands at this site provide high quality habitat for a number of species of dragonflies.”*), but try to avoid specific talk about individual species.

This site is briefly described as: **Steep, south-facing slope that harbors a shale-barren community and a species of concern.**

**Enter your site description text in the space between these lines:**

*<< enter text here, between these brackets. Please do not delete the brackets!! >>*

Species or natural communities of concern that can be found in this NHA include the following:

| SNAME | SCOMNAME | ELEMENT\_TYPE | G\_RANK | S\_RANK | S\_PROTECTI | PBSSTATUS | LAST\_OBS\_D | BASIC\_EO\_R |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Virginia Pine - Mixed Hardwood Shale Woodland* | Virginia Pine - Mixed Hardwood Shale Woodland | C | GNR | S2 |  |  | 2006 | BC |
| *Sedum telephioides* | Allegheny Stonecrop | P | G4 | S3 | PR | PR | 1995-09-21 | C |
| *Phacelia dubia* |  | P | G5 | S3S4 |  | SP | 2015-05-07 | E |

## Information from Biotics

See output below from Biotics, in association with all the EOs at this site. Biotics fields reported include EO\_ID, SNAME, EO\_DATA, GEN\_DESC, MGMT\_COM, GENERL\_COM. Use this to inform both the site description and the threats and conservation recommendations section.

## [1] "12899 Sedum telephioides 1995 SEP 21: 15 STEMS OBSERVED IN FLOWER AND FRUIT; HEALTH DESPITE DROUGHT; NOT IDEAL HABITAT FOR SEDUM (F95GRUB7, S95GRUCM) .<br><br>1985 AUG 15, PLANTS OBSERVED AT BARNES GAP BARRENS (F85WIE12). <br><br>1969 AUG 17 AND 1969 SEP 7: PETALS WHITE, ANTHERS RED; ON CREST OF UPPER BLUFF, IN SHADE OF AMERICUS ALBA; CLIFF ON NORTH SIDE OF BARNES GAP; SSW EXPOSURE; 245-253 M (S69CLACU) . <br>1969 AUG 18: LEAVES PALE GREEN, PETALS WHITE, PINKISH AT APEX; ON CREST OF CLIFF ON N SIDE OF BARNES GAP (S69CLACU). SOUTH-WEST FACING SHALE CLIFF WITH OPEN EXPOSED SHALE LEDGESTHE UPPER LIP OF THE CLIFF IS THE BEST HABITAT. THE NW-ERN PORTION OF THE BARREN IS WOODED. THE SE-ERN PORTION OPEN. NA F95GRUB7 NOTES THAT THE HABITAT AT DOT 5 IS QUITE DISTURBED."   
## [2] "16751 Virginia Pine - Mixed Hardwood Shale Woodland 2006: Tony Davis interpreted PA MAP 2004-2006 aerial photos to replace previous polygons with a better polygon (P11DAVK2).<br><br>1984-05-15: 40-50 ACRE SHALE BARREN, CHARACTERISTIC SPECIES, BUT NO STRICT ENDEMICS OBSERVED (F84WIE08). SW FACING CLIFF OF TOWN HILL,CUT BY SIDLING HILL CR.& SEC RDBARNES GAP ON THE SE SIDE OF THE RIDGE. SMALL CLIFFS AND SHELVES BETWEEN CLIFFS. 40-50 FEET HIGH. BEST BARRENS @ TOP OF CLIFF. EXPOSED SHALE. NW PORTION OF THE CLIFF WOODED. NA EO SHOULD BE SURVEYED DURING FALL TO CHECK FOR LATER APPEARING SPECIES."   
## [3] "27532 Phacelia dubia 2015-05-07: element found getting crowded out by Lonicera japonica on roadbank. More in opening above from the road, where it is threatened by Lonicera morrowii (see SF\_ID 52548) (F15GRU02). 2015-05-07: Four Quarters Interfaith Sanctuary is located in the Sideling Hill Creek watershed, and the creek runs through the tracts owned by the organization. The surface bedrock is Devonian, entirely within the Catskill Formation, and consists of a red rock called a sandstone in the description of the formation, but is locally more of a shale. Judging from the flora here and elsewhere in the vicinity and within this geology, the soils range in pH from moderately acid to moderately alkaline. The most notable features from a biodiversity standpoint are the stream and the WSW-facing outcrops, which constitute a shale barren (F15GRU02). NA 2015-05-07:We surveyed from the road only as we did not have landowner permission (F15GRU02)."

# Threats and Conservation Recommendations

This area should include a short, one paragraph description of the overall threats and conservation recommendations for the NHA. This paragraph could include an overview of historic impacts, a general statement about the level of site protection, existing management plans, and known conservation issues. Incorporate information specific to the site overall, as well as to the individual EO’s present.

**Enter your threats and conservation recommendations summary paragraph in the space between these lines:**

*<< enter text here, between these brackets. Please do not delete the brackets!! >>*

Specific threats and conservation recommendations for the elements present at this site include:

The goal of the list items here should be to create a list of known conservation issues at this site, and what needs to be done to address them. Be as specific as you possibly can–for example, if an EO is generally known to be susceptible to invasive species and there is information in Biotics about particular invasive species known to be present at this site, incorporate the specific information into the bullet. For example:

* *Aggressive non-native plant species are a particular threat to species is calcareous habitats. Left to spread, these species can crowd out the species of concern, as well as other native plant species. Invasive species known to be present at this site include xxxx, xxxx, xxxx, and xxxx. Monitor for invasive plant species and remove them prior to becoming dominant at this site, if possible. Target pioneer populations of invasive plants for immediate and continued removal. It is much easier and more effective to keep a place invasive-free than to try to repair a heavily infested habitat. Invasive species management should be coordinated by individuals familiar with the rare species as well as the invasive species present. Continual invasive species monitoring and control will likely be necessary.*

**Enter your specific threats and conservation recommendations bullets in the space between these lines:**

*<< enter text here, between these brackets. Please do not delete the brackets!! >>*

## EO-Specific Threats and Conservation Recommendation Info

Included below is species-specific information on general conservation threats and recommendations. This includes:

1. A summary table with the number of EOs that fall into each of the conservation threats/recommendations categories at the site. This table is meant to help you quickly summarize the types of issues that the species present at this site face, for the threats and conservation recommendations summary paragraph.
2. The text for each species-specific threat and recommendation available in the database. Copy and paste those which are relevant at this site into conservation threats and recommendations bullets.

## Joining, by = "TRID"

| ThreatRec\_Name | n |
| --- | --- |
| calciphile - invasive threat | 1 |

## [1] "Sedum telephioides calciphile - invasive threat Aggressive non-native plant species are a particular threat to species is calcareous habitats. Left to spread, these species can crowd out the species of concern, as well as other native plant species. Monitor for invasive plant species and remove them prior to becoming dominant at this site, if possible. Target pioneer populations of invasive plants for immediate and continued removal. It is much easier and more effective to keep a place invasive-free than to try to repair a heavily infested habitat. Invasive species management should be coordinated by individuals familiar with the rare species as well as the invasive species present. Continual invasive species monitoring and control will likely be necessary. McPherson, J. I. 2013. Conservation Assessment of Calcareous Ecosystems. Pennsylvania Natural Heritage Program at Western Pennsylvania Conservancy. Pittsburgh, PA. Report to Wild Resources Conservation Program, Grant #10391. 152 pg."

# References

## Joining, by = "TRID"

## [1] "McPherson, J. I. 2013. Conservation Assessment of Calcareous Ecosystems. Pennsylvania Natural Heritage Program at Western Pennsylvania Conservancy. Pittsburgh, PA. Report to Wild Resources Conservation Program, Grant #10391. 152 pg."

# Location

**Municipalities:** Bedford County: Mann Township; Fulton County: Union Township  
**USGS quads:** Bellegrove  
**Previous CNHI reference:** Sideling Hill Creek-bedford Co, Lower Barnes Gap  
**Associated NHAs:** Sideling Hill Creek  
**Overlapping Protected Lands:** NA

Please cite this Natural Heritage Area as:  
Pennsylvania Natural Heritage Program. 2019. Town Hill Barren NHA. Created on 19 Mar 2019. Available at: <http://www.naturalheritage.state.pa.us/CNHI.aspx>

Are there any issues that you noticed that should be corrected, for this site or the EOs? Please describe **in the space between the lines, below:**

*<< enter text here, between these brackets. Please do not delete the brackets!! >>*

Do you have pictures of either the site, or the species present at the site? If so, **upload them to the NHA report folder and enter accompanying information, below, between the lines.** Add up to 3 images per site:

**Photo one**  
\* Photographer Name: <<*enter name here. Please do not delete the brackets!!*>>  
\* Photo caption: <<*enter short description of photo here. Please do not delete the brackets!!*>>  
\* Photo file name: <<*enter name of photo file uploaded to folder here. Please do not delete the brackets!!*>>

**Photo two**  
\* Photographer Name: <<*enter name here. Please do not delete the brackets!!*>>  
\* Photo caption: <<*enter short description of photo here. Please do not delete the brackets!!*>>  
\* Photo file name: <<*enter name of photo file uploaded to folder here. Please do not delete the brackets!!*>>

**Photo three**  
\* Photographer Name: <<*enter name here. Please do not delete the brackets!!*>>  
\* Photo caption: <<*enter short description of photo here. Please do not delete the brackets!!*>>  
\* Photo file name: <<*enter name of photo file uploaded to folder here. Please do not delete the brackets!!*>>