

Town HPC Map Site Hosting Service

Service Provider: **DreamHost**

Shared Starter Plan

Cost: \$2.95/month = \$35.40 per year

Key Features

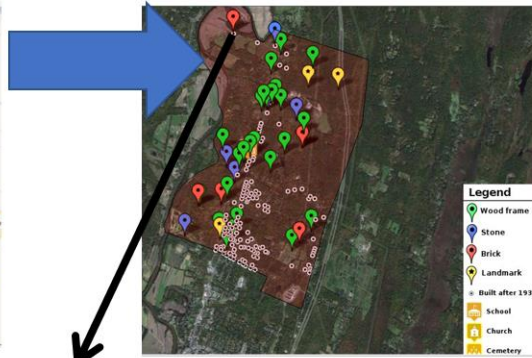
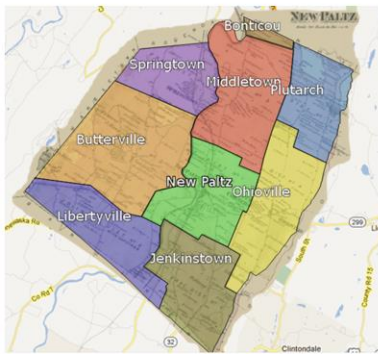
- Supports Linux, Apache, MySQL, PHP (LAMP) stack
= our database/software environment
- A “LAMP” stack is a group of open-source software that is typically installed together to enable a server to host dynamic websites and web apps
- **ssd (solid-state drive) storage/file hosting:** This is where local images, files, etc will be stored
- **ssl (secure sockets layer) security integration:** standard security technology for establishing an encrypted link between a website and a browser
- **Service and Support**
- Ability to add and remove back-end users (aka Dr Hanh’s students and other developers)
- **50GB Storage (accommodates current and future storage needs)**

First HPC Map Site

- The original Interactive Online Map of Historic Properties was created in 2010 with Students at SUNY New Paltz.
- Funded by SHPO Matching Grant: \$22,000 (\$6,500 CLG)
- Utilized location data with accompanying histories that had been compiled over several years in two prior joint Town-Village grants.

Interactive On-Line Map of New Paltz

Note



Map outline shows current boundary with overlay from historic map.

Each hamlet map includes markers for historic properties.

Each property marker provides brief overview summary.

Read More shows detailed record.



| | |
|---|-------------------------|
| 250 White Duck Rd | |
| One and a half story single family Federal home thought to be constructed around 1820 of brick, on a stone foundation, with brick veneer exterior and gable roof. The property is described as having 2 bays, center passage, endwall brick chimneys, tripartite horizontal attic windows within wide cornice, window shutters, 1-story side ell with attic & end chimney, front & rear porches, window & door headers with soldier course brickwork, Dutch doors and sideights. A two story wood frame barn, on a stone foundation and cellar walkout, was added to the property in 1820. Open farm fields, wood paneled and fluted column entrance gate posts and attached swinging gates were observed during the 2004 survey. The property is also known as the "Walkill River Farm". | |
| Tax parcel Number | 78.2-2-1 |
| Street number | 250 |
| Street Name | White Duck Rd |
| Present Use | Single Family Residence |
| Historic Function | Domestic |
| Historic Use | Single Dwelling |
| Date of Construction | 1820 (08/21) |
| Dates of alteration | |
| Style | Federal |
| No. of Stories | 1.5 |
| Construction method | brick |
| Exterior material: | brick veneer |
| Historic 1 | |

- **December 2021 hosting provider, NetEffx, shut down the site due to an imminent threat associated with a Log4Shell vulnerability with Java 8 (used to create site).**

HPC Map Site Redesign

- In January 2023, Computer Science Assistant Professor Dr Hahn Pham, agreed to oversee redesign of the map site with students as part of their Spring semester senior project.
- Development Team Included:
 - Andrew McDonald
 - Brian Mendez
 - Charles DeGennaro
 - Nicholas Zangara
- HPC Commissioner, Joe Marianek, created a detailed schematic for the map site to guide the SUNY student team in creation of the user interface.
- On May 10th students presented the new Online Interactive HPC Map Site at a SUNY Senior Project Review event.
- The student development team did an outstanding job creating a new user-friendly on-line interactive map site and admin interface.
- Dr Pham has agreed to continue working with the Town HPC to implement follow-on work scope.
- NEXT: HPC will port to DreamHost and conduct testing prior to release to the public on or before December 2023.

Follow-On Work Scope

December public launch date is contingent on completion of the following tasks:

- 1) Hosting setup and nameserver coordination with Town IT/website
 - Joe Marianek has volunteered to use his My Small Stuff team to complete.
- 2) Open Development Tasks that the SUNY team has identified and other items that Dr Pham is seeking to find students to solve.
 - Our understanding is that this will likely be completed in the Fall semester.
- 3) The content clean-up that Dr Pham identified for HPC to complete.
 - Requires cleaning up legacy HTML and other erroneous items in 900 entries from the previous database. This is a heavy task that Joe Marianek has volunteered to complete with his team.
- 4) Additional visual design and interaction improvements for Version 2.
 - This is work that Joe's team has volunteered to handle.
- 5) Finally, the HPC will vet and confirm that all content is correct before Release to the public.

Open Development Tasks

Admin Security: Passwords need to be hashed:

- a. When they are stored in the database.
- b. When the session is checked, the password needs to be checked through the hash.

Legend Pin Filtering:

Checkboxes need to be added to each item in the Legend to filter the pins on the map.

Item Deletion:

Need to add a way to delete items from the database, probably in the view/edit item page with a confirmation checkbox.

Styling for editCell.php and create-item.php:

- The Admin page has default styling for updating items in the database. The font is set to Roboto, this is the only styling in place at handoff.

Breakpoints:

- For mobile devices/smaller screens, edit the styling of the web page to be more accessible.

API Key:

- When HPC moves the site to its permanent URL, contact Josh to add the new URL to his API Key Permissions.

Custom Content Styling:

- Many items have embedded html styling as their content, which causes a very disjointed appearance throughout the website. These need to be cleaned up manually.

Church/School pins orange:

- There is no field in the database currently to track if a location is a Church/School, therefore we cannot color these locations with a custom pin. We do have an orange pin image that conforms with the style of the other pins saved for future use.

Remove email and print options from item.php:

- In item.php, remove the options for Email and Print, leaving just the PDF option.

Change "Photos:" display:

- Have each photo display a thumbnail that when clicked shows the full image.