

The Guernsey 21st Century QR-Code Nature Trail

Judy Barr, Board Member Wellesley Conservation Council, Inc

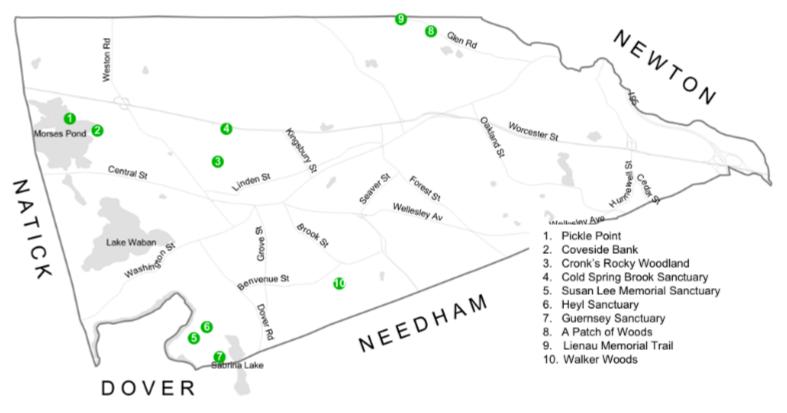


Wellesley's Land Trust, founded in 1958

3-part Mission Statement
OProtect and preserve the natural environment in Wellesley
OMaintain sanctuaries open to the public for study and enjoyment
OEducate youth and interest adults in matters of conservation

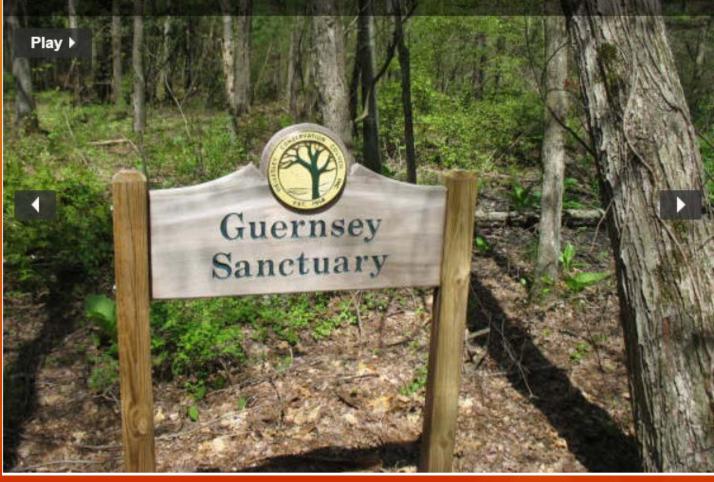
Location of WCC's 12 Properties

WESTON



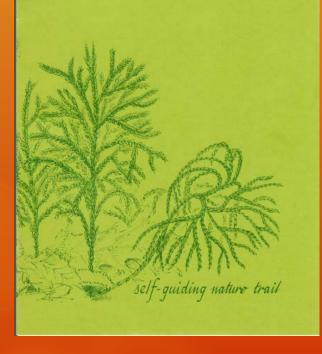
25 acres: mixed pine forest, swamp

The Guernsey Sanctuary on Sabrina Lake was donated by Mr. and Mrs. William G. Guernsey in 1961 and is approximately 25 acres.



1972 Guernsey Sanctuary Self-Guiding Nature Trail, 18-page booklet

GUERNSEY SANCTUARY



Ridge Hill Farms including the Hotel Wallesley which could house four hundred persons

Station One

The whole project attracted much attention and streams of visitors, but was never a paying proposition Mr. Baker died in 1888 and the estate was sold. An attempt was made to keep the amusement center going ever the hotal burned in 1891 and the other buildings fell into disrepair. In 1901 the property was sold







the first to grow in a cleared area. Clearing is done by the town on the case ment periodically to give access and to prevent fires. If this were not con tinued, the pioneer plants would be replaced by bushes and then treas where seedlings would flourish in the shade of the low growing shrubs Common Mugwort (Arzamisia vulgeris) growing in profusion along the gravel road leading to the entrance, requires the intense light that this area affords. In the fell, Goldenrods (Solidago spp. Jand Asters (Aster spp. J are common plants here. Many flowering plants may be found along the esement. A list of these appear in the back of the booklet. Butterflies such as Fritillaries and Cabbage Butterflies may be seen in spring and summer.

Your first stop is on the sewer assement at the entrance to the Sanctuary The prominent plants in this area are called pioneer plants because they are

Ecologists (scientists who study relationships between plants and nimals and their environment) call the area between field and forest an edge area. Edge areas often have an abundance of birds representing both field and forest. If you are following the trail to the next station during spring and summer look for Robins, Field Sperrows and Phoebes among others. A check list of some of the birds you are likely to see in the Sanctuary is to be ound in the back of the booklet.

Station Two

Just beyond the entrance, notice parts of stone walls that may have marked boundaries of farm fields before the days of the Baker Estate. Ferns and Club Mosses form the dominant ground cover in the Sand tuary. These are non-flowering plants which reproduce by spores rather than by seeds. None of the form growing in the Sanctuary are everyreen, that is

their leaves die down in the fall. Each spring, new fern leaves (fronds) unfold from tightly curled "fiddle-haads". Turn right and follow the cart path over the brook

11 stations with 72 unique botanical specimens

Wellesley Turkey Trot Foundation Grant Provided partial funding for QR-code enhanced 1-mile Guernsey Nature Trail

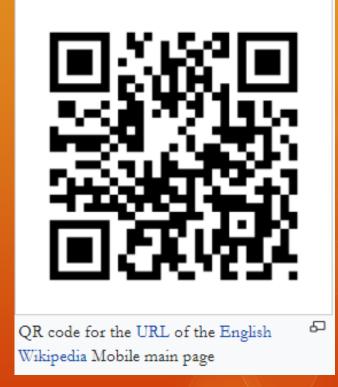


Photographer: Jim Barr

What is a QR-code?

• OR code (abbreviated from Ouick Response Code) is the trademark for a type of two dimensional bar code.

 It consists of black squares arranged in a square grid on a white background, which can be read by an imaging device such as cell phone app that connects it to a web site



Methods

- Monthly plant inventory walk on Guernsey
- 2. Select specimens for inclusion
 - Spread selection along 1-mile circular trail
 - Balance of trees, shrubs, wildflowers
 - Balance of plant-specific information, nature narrative, history of place, and sense of wonder
- 3. Select QR-code marker vendor
- 4. Write QR-code narrative for each marker
- 5. Placement of markers
- 6. Promote trail

Methods: Monthly Plant Inventory



Photographer: Kevin Hanron

Plant Inventory Team

Bill Gietzentanner Environmental planner Judy Barr WCC BOD member Ted Elliman Retired, Staff botanist, NE Wildflower Society

WCC Land Management Pete Jones Kevin Hanron

www.plantsmap.com (Bill Blevins)

Vendor



Connecting People with Plants®

March 2019



PlantsMap.com: Connecting People with Plants®

INTERACTIVE PLANT TAGS

We also sell and manufacture interactive NFC and QR Code enabled plant tags that connect people with plants to a suite of Plants Map tools where users can catalog and map their plant collections, save photos, record growing notes, and share botanical and cultivation information.

Sales of interactive plant tags have been our primary revenue stream to date. These unique tags and signs have also been our top growth driver for acquiring new users.

Can individualize logo Three lines of text --- WCC selected common, scientific, native vs non native Signs (4.75"x3.35") and Tags (3.28"x1.78"), stakes (12" and 20"), screws

Examples of Marker/Tag Attachment:

marker to postmarker to tree



Amur Cork Tree Phellodendron amurense

NonNative Support from Wellesley Turkey Trot Fdn







WHAT IS PLANTS MAP?

PlantsMap.com is a suite of SaaS tools for organizations, businesses and individuals to document, map and share plant collections.

Our customers include several of the largest companies in the world, some of the most respected horticulture universities in the United States, premier botanical gardens and historic arboreta, schools, parks, cities, plant societies, and individuals documenting and sharing their plants stories.



Plant Database

More than 6,850 organizations and individuals document plant collections on PlantsMap.com.



Interactive Plant Tags

More than 20,000 Plants Map NFC and QR Code enabled signs are installed in landscapes across the U.S.



Find & Buy Plants

Using our Events tool, Resource listings and Plant Finder, users can discover new plants and connect to businesses that sell them.

WCC Plant Maps Organizational Page on PlantsMap



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WELLESLEY CONSERVATION COUNCIL

EDIT MANAGE NETWORK

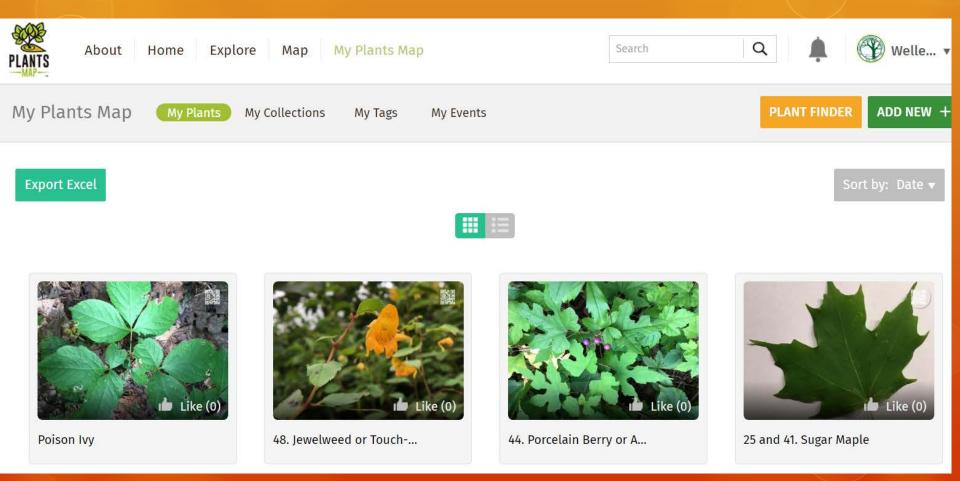


WELLESLEY CONSERVATION COUNCIL

P.O. Box 81129, Wellesley Hills, MA 02481 | 781-235-3090 | E-mail

Facebook | Twitter | Website

My PlantsMap listing specimens by photo



My PlantsMap listing specimens by alpha name



📕 Available 📒 Not	t Available 🦰 Private Location	All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z			
Photo Y	Title ↓↑	Botanical Name ↓↑	Common Name ↓↑	Мар 🕇	Tag T
	American chestnut (33)	Castanea dentata	American chestnut	•	
	American chestnut (51)	Castanea dentata	American chestnut	•	
	American Elm (31)	Ulmus americana	American Elm		
•	Amur Cork tree	Phellodendron amurense	Amur Cork tree		

You then create a photo and narrative for each plant that is stored in the PlantsMap "cloud". The visitor is connected to it by scanning the plant specific QR-code on the marker

← → C	→ C ▲ https://www.plantsmap.com/organizations/25139/plants/59713				
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Plant			PLANT FINDER		



Poison Ivy

Created by Wellesley Conservation Council Created on: 25 Jul 2018; Updated on: 19 Oct 2018

My Plant's Story

13. Poison Ivy Toxicodendron radicans - native to Massachusetts

Tag

WARNING: Sorry to make this the first plant marker when you enter Guernsey from Locust Lane, but we want you to be aware that poison ivy is along the path throughout Guernsey. You will be OK, if you STAY ON THE PATH and DO NOT TOUCH IT!! However, if you do brush against it, see below.

Add/Remove to Collection

Edit

We have widened the paths and removed poison ivy along the trail, but it will rapidly grow back. It loves the sun, and there is more sun along the paths than deeper in the forest.

Poison ivy and Virginia creeper are similar plants and are intermixed along the

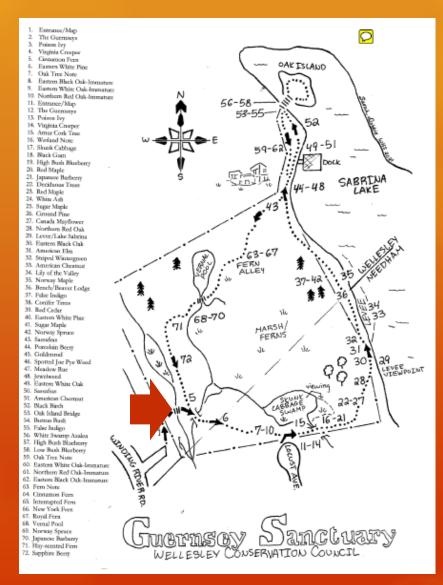
Let's walk the Guernsey QR-Code Trail: Entrance to Guernsey



Entrance/Map

Support from Wellesley Turkey Trot Fdn

To Lake Sabrina and Levee



Artist: Sarah Dobbie

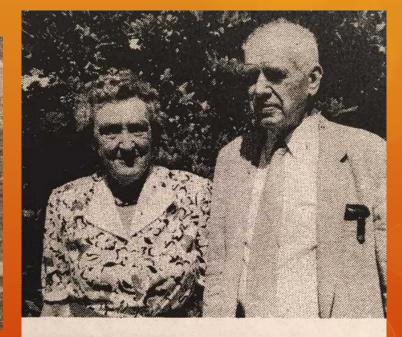
History – Who are The Guernseys?





The Guernseys Note Support from Wellesley Turkey Trot Fdn

SHOULD AND THE DURING CONTRACTOR



Mr. and Mrs. William Guernsey

Wellesley Townsman

White Pine Forest with Conifer Lane on Levee



Oak Tree Note + 3 Oak Comparisons





Wetland Note



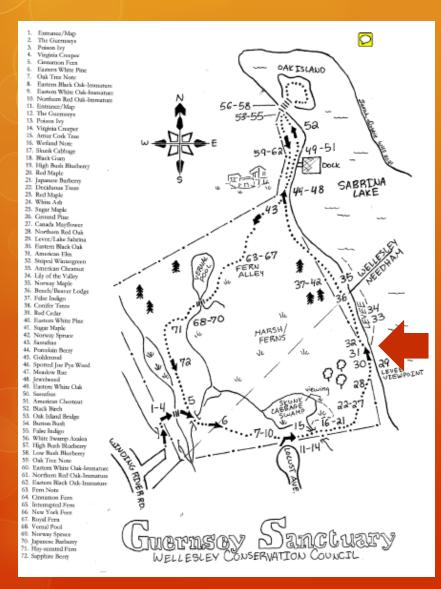


Wetland Note

Support from Wellesley Turkey Trot Fdn



What's at top of Levee, 150 years ago??







Bridge to Ridge Hill Farms (Baker Estate)



755 acres with

- O 100 amusements/exhibits
- O Man-made Lake Sabrina
- O Formal gardens
- O 225 room hotel with 19 toilets/5 bath tubes

Train line from Boston



otel Wellesley



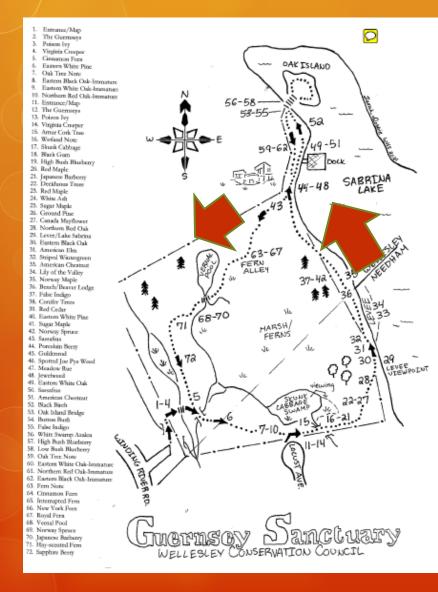
Photographs from Needham Historical Society

Beaver Damage and Lodge Lake Sabrina Levee





Half way on Trail – What's Next?



To Oak Island Wildflowers Dock Oak Island Return Fern Lane Vernal Pool **Return to Entrance**

Norway Spruce – junction of trail extension



Wildflowers – North End of Lake Sabrina: Heavy fertilizer run-off





Example Invasives: Porcelain berries





EcoCamp On Guernsey





Fern Lane Note





Overall note then individual QR markers for 5 ferns For each, QR code links to photos and narratives

Vernal Pool Note



Even Beautiful in Winter



And for study... - comparing 1972 to 2018 flora - starting next week

	Present	Present	Present
1972	+	+	-
2018	+	-	+

Guernsey QR Code Nature Trail

Open to Public

Entrance 163 Winding River Rd Wellesley



Thank yous

O Wellesley Turkey Trot Foundation **O Bill Giezentanner and Ted Elliman O** Pete Jones and Kevin Hanron **O Bill Blevins and team at PlantsMap.com OJim Barr** O Lawrence Knowles, Wellesley College **O** Sarah Dobbie and Stephanie Osser