

This Permaculture Design will further transform your home into a place where your family and all your visitors will feel a real sense of ease beauty and abundance as these ecological communities mature with you on your journey in living together in this sacred place.

This report is both a set of observations about the current conditions of the property with our recommendations throughout. A defining characteristic of the property is that it lies a good ways down on the mainstem of the Wallkill River* in Ulster County. Native Americans knew the river as Twischsawkin, meaning "the land where plums abound". This river flows from north to south and lies between the Delaware and the Hudson drainages. It has east and west oriented valley slopes.

This site is on the east side of the drainage which is also the lowside of the rivers bank making it the side which floods first in a high flow event. Transitioning this hayfield/ floodplain to a more ecological farmscape is one of our main design goals herein.

- The average warmest month is July.
 - The highest recorded temperature was 100°F in 1995.
 - The average coolest month is January.
 - The lowest recorded temperature was -27°F in 1994.
 - The most precipitation on average occurs in May.
 - Average yearly rainfall total= 44.59 inches
 - every month at least 3 inches of rain

This large amount of rainfall and even dispersal is going to play a large part in why we are recommending using rainwater catchment as a significant supplement and back up for your water needs.

In addition, the mild climate means extensive farming and gardening are excellent matches for this place.

The property is a rich diversity of existing biomes on 54 acres. A large portion of the site is a 20 acre floodplain for the Wallkill presently used as a hay meadow. The remaining 34 acres sit sixty to one hundred feet above the floodplain and are a mix of old grape vineyard horse pasture and a small stream and young woods dominated by white ash, black walnut and shagbark hickory.

Our format for outlining our Permaculture recommendations for the property follows the permaculture concept of zones of use. Zones are delineated based on the frequency that people go to these place on the land. The logic behind this is based on the chinese proverb, "The best fertilizer is the footsteps of the gardener."

Thus Zone 1 are the places that people go the most often. Farmhouse, Guesthouse