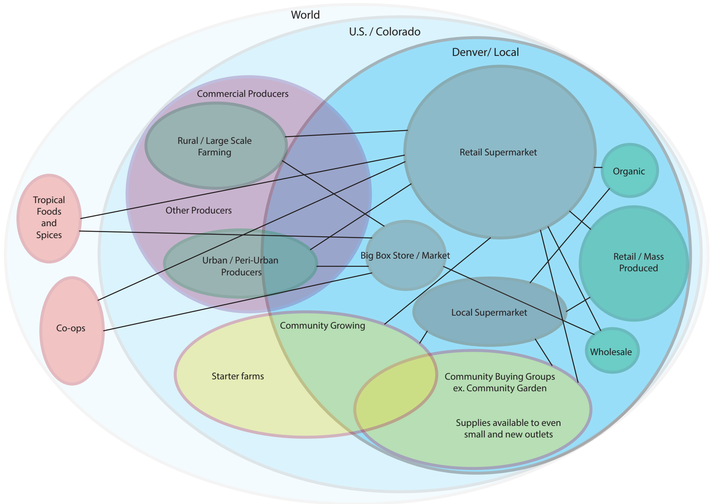
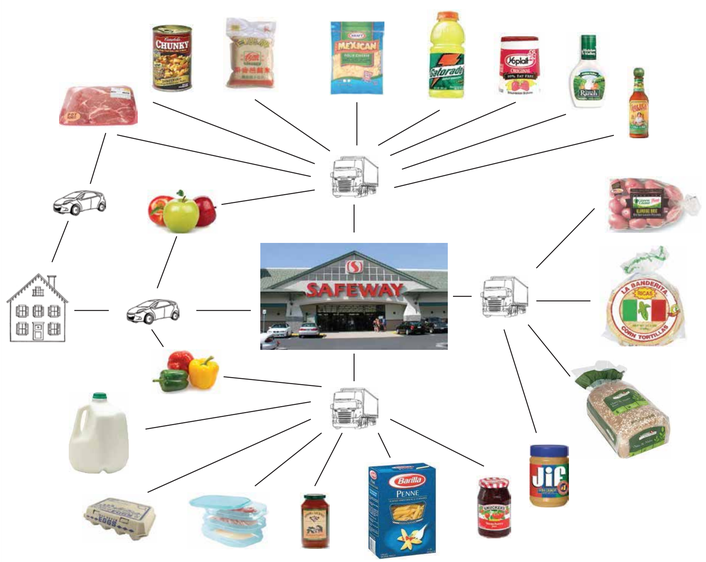
World To Market



This shows how different products bought from different stores can come from many different regions of the world. This diagram also allows the realization that few products come from a local source causing the general public who do buy items at these stores to buy products that are not sustainable and do not support local farmers and local community.

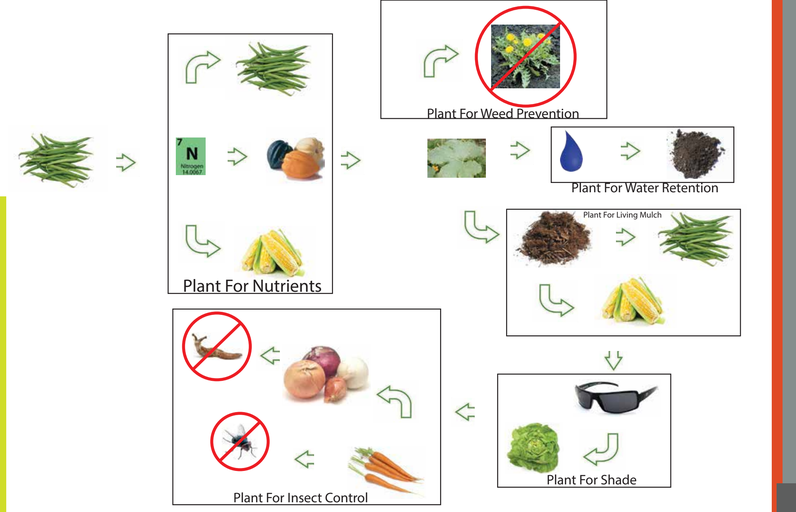
Market To House



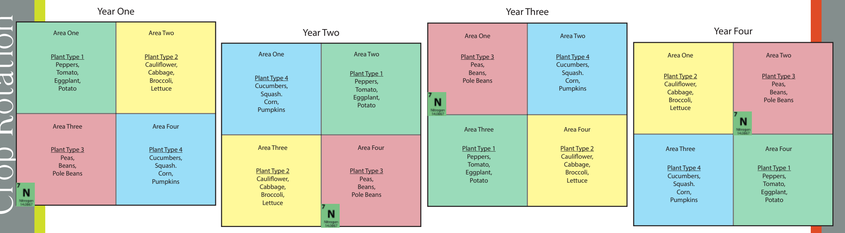
After the investigation of items being supplied into the accessible stores that are in the area this diagram is a look at where my personal foods come from. After looking into a majority of the foods in my fridge, all of them were transported into the stores from some region in the U.S. which I found surprising.

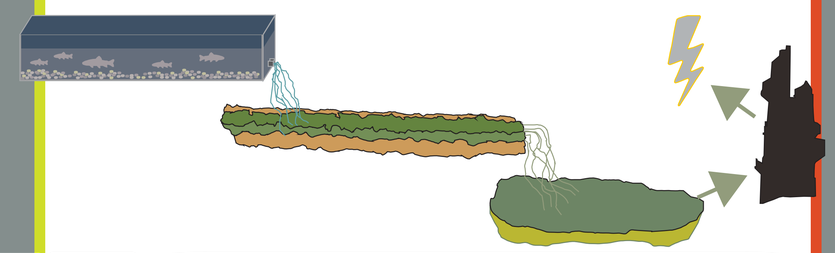
INDIVIDUAL FOOD ANAYLSIS

Companion Planting



Crop Rotation

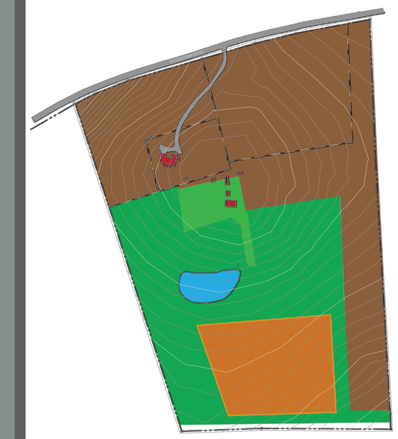




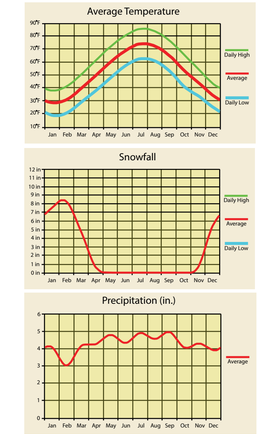
Program	Size	Program Requirements
Hops Plants	2 Acres	Approx 1 lbs of Hops per barrel of beer, mean amounts of beer for a micro-brewery = 3800 barrels, 1500-2000 lbs of hops per acre
Brewery	2000 sq.ft.	Based off current working models of 15bbl systems, in order to add pub space increase 3500 sqft
Office	2000 sq.ft.	Space will run financials for farm, including those for pub, kitchen, event, visitors
Trout Ponds	4 ponds @ .25 Acre	3000 Trout per acre, will supply water for a number of different entities,
Algal Bio-refinery	1000 sq.ft.	1000 sqft = size of facility to support algae pond production of .5 Acres
Anerobic Digester	500 sq.ft.	500 sqft allows for all of the programs waste to be disposed of into the system (furtur look into how much is needed to support the farm with energy)
Algae Pond	.5 Acres	Average 2000 gal of fuel per acre @10mpg it will take 4 gal to get to NY x 2 (for the trip back) once per week = 416 gal, x 4 trips per week = 1664 gal.
Plants/Crops	3.5 Acres	Average restaurant serves 600 people per day, 50 sqft of land per person = 30000 sqft, 5 restaurants = 150000 / 43560 = 3.5 acres = This area will increase with needs for produce for farmers market, individual plant plots ect and will need room for crop rotation space at least 1/4 total space needed for crops.
Animals	Free Range	Animals will be implemented into various programs as needed.
Mushrooms	.25 Acres	Logs are stacked in woods. 100 logs takes about 8 hours of labor to harvest.
Kitchen	1000 sq.ft.	5 sqft per seat of kitchen space
Event Space	5000 sq.ft.	Room to support an event approx. 200-300 people in size.
Cabins	150 sq.ft. each	These will be modular and transportable in nature, can allow for structures to be moved with clients/spatial needs.

PROGRAM ANAYLSIS

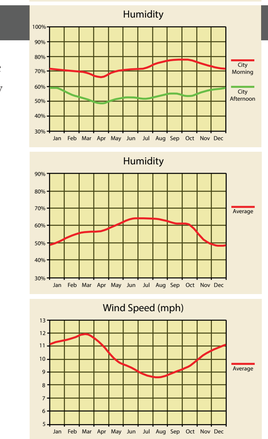
Current Conditions



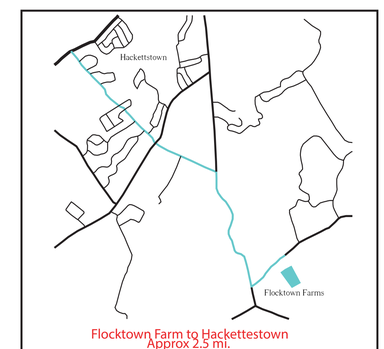
- Heavily Treed Area
- Lightly Treed Area
- Current Crop Land
- Existing Pond
- Existing Buildings

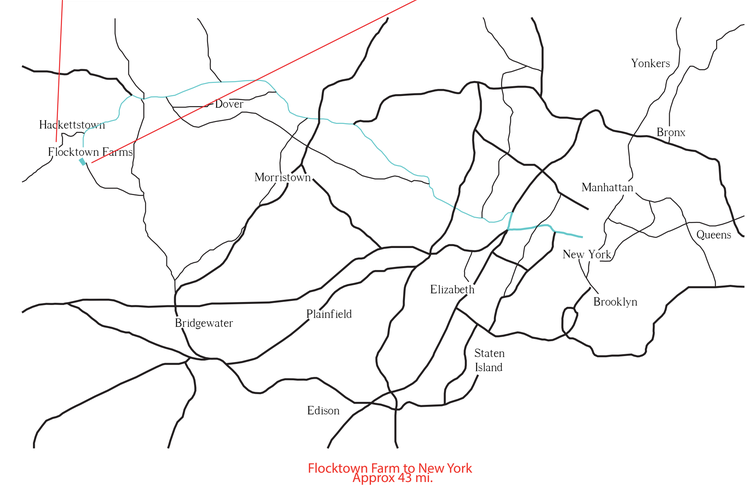


The current conditions of the site play a large factor in the design. While many conditions on the site are very sensible to keep as is there are many conditions on the site that must be looked in order to allow the site to develop into its full potential.



Distance





SITE ANAYLSIS

FLOCKTOWN FARM - SCOTT KNOLL - ADVANCED STUDIO 2012