



The Kidney Bed (so named because of its shape)

<p>MPPG goals for the park: To create a permaculture demonstration site To provide educational resources To produce food for the community To establish a sustainable maintenance plan</p> <p>Goals for this polyculture: Large nut tree bed w/ secondary yields low maintenance native flowers</p> <p>Yields and functions: Walnut patch Elderberry patch Flower and sunchoke patch</p> <p>Management: progress to 4-5 work days a year for edging, weeding, harvesting, pruning</p> <p>Maintenance resources: park volunteers paid help NB village – mowing Wood chips Funding from workshops, grants</p>	<p>Site Conditions: Climate – zone 5 Sun/Shade – partial to full shade at maturity Soil type - silt Soil pH - 7 Soil moisture – moist Soil toxins – old ag land, none known Pressure from existing plants - horsetail Pressure from existing animals – deer, chucks Zone of use - 5 Attractiveness – increase attractiveness to the village with increased flowers</p> <p>Architecture: canopy of walnut tree JUGLONE and high nitrogen need</p> <p>Infrastructure: water barrel filled from river</p> <p>Plant choice considerations: Sun/shade- relative Air space Soil space Tolerable competition Tolerable predation Tolerable disease pressure</p>	<p>Plant Contributions: <u>Soil fertility</u> (nitrogen fixation) amorphia fruticosa, planned: wild senna, alfalfa, lupin <u>Other soil nutrients</u> (K, micro nutrients) comfrey, horsetail, walnut <u>Pollination</u> – specialist nectory for each season: spring – zizzia, sweet cicely summer – sochan, milkweed, elderberry, fall – New England asters <u>Ground covering</u> – horsetail, wild strawberry <u>Edge holding</u> – fiddleheads, comfrey, Trial considerations; Mt mint, cohosh, sweet cicely, golden alexanders, baptisia, jacobs ladder</p> <p>Succession considerations – juglone and shade will increase with time.</p> <p>Ecological stability Native species = a priority Tallamy key stone species: walnut, primrose, aster, J artichokes, milkweed, sochan, wild lupin</p>
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