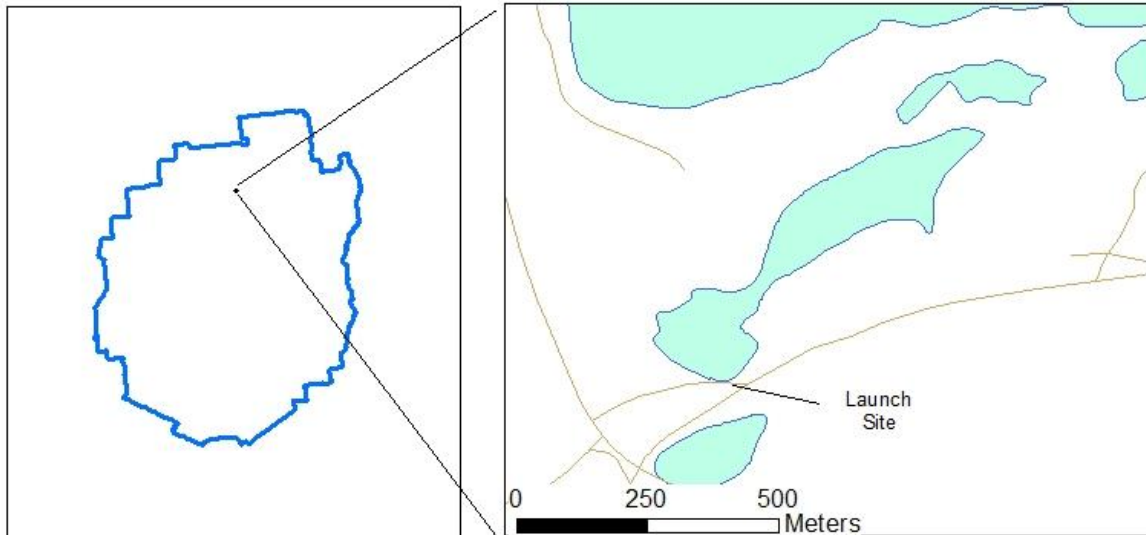


Church Pond & Little Osgood Aquatic Plant Survey 2012

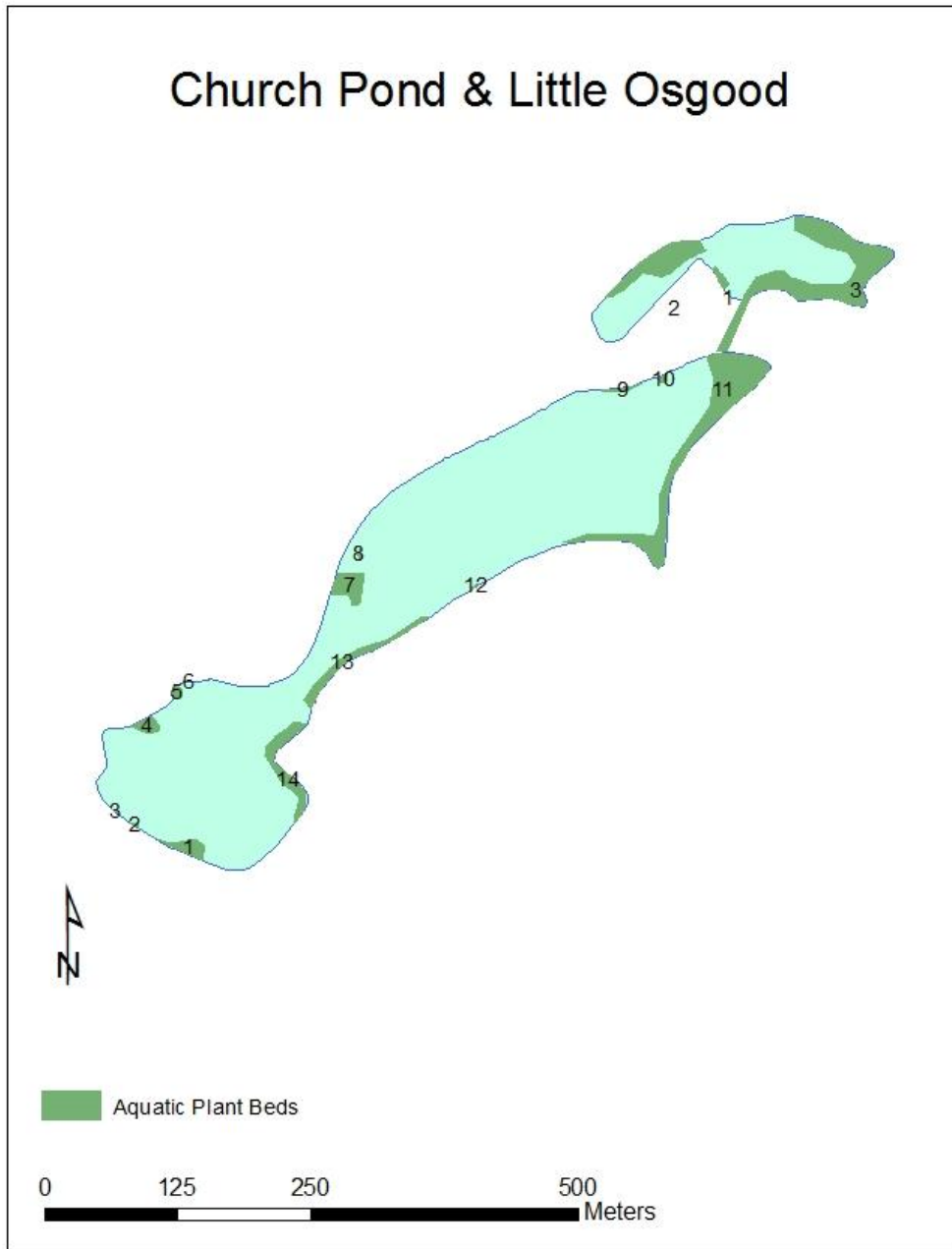


Map 15: Location of Church Pond and Little Osgood.

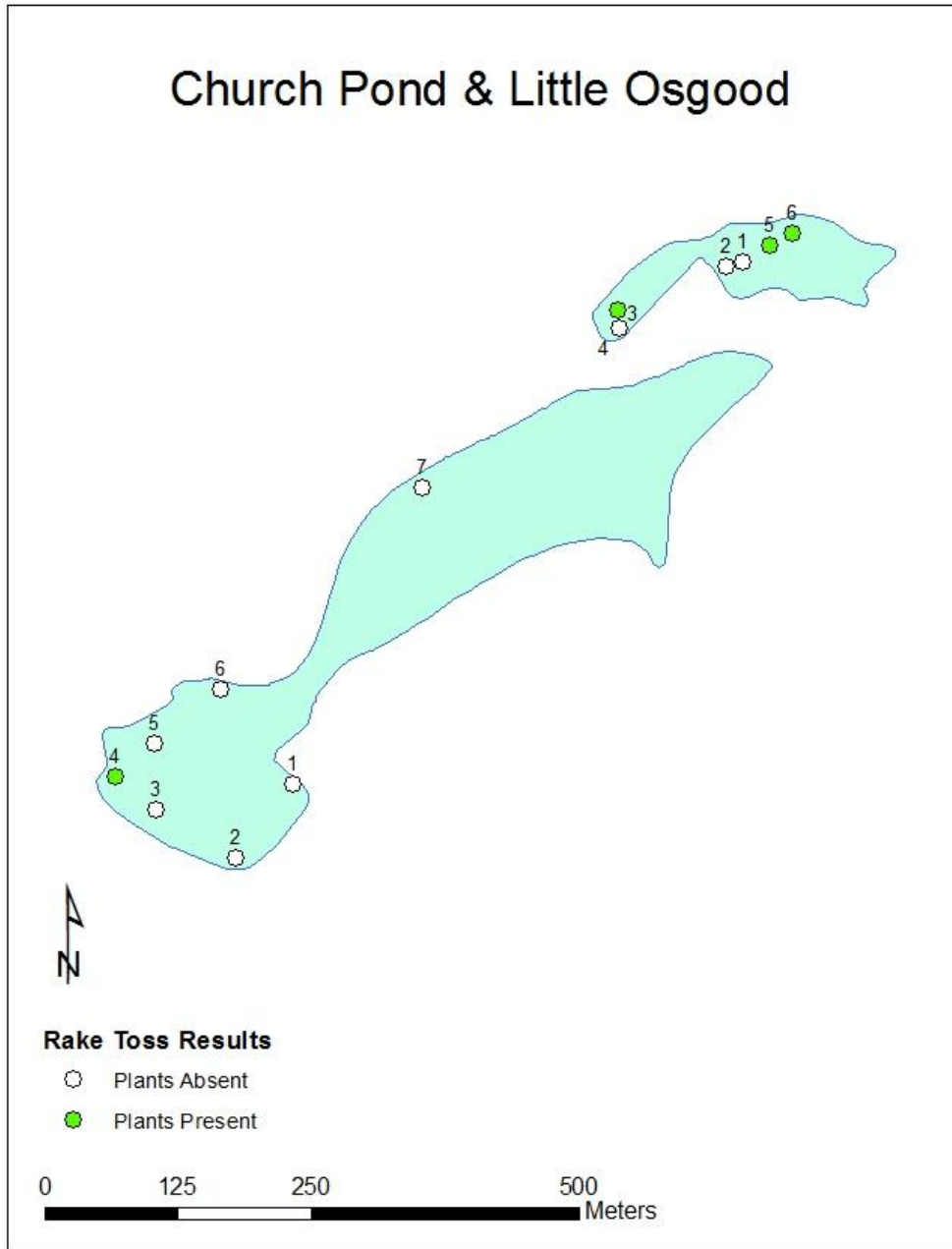
Church Pond and Little Osgood are located in the town of Brighton in Franklin County, New York (Map 15). The water bodies are 20 acres and 4 acres respectively. Little Osgood was accessed through a canal to the north end of Church Pond, Church Pond was accessed from the intersection of Hoffman Road and State Route 86, 0.25 miles north-east of Paul Smith's college.

An aquatic plant survey of Church Pond and Little Osgood Pond was conducted 12-June-2012. No invasive aquatic species were detected during the survey. Aquatic plant coverage in Church Pond and Little Osgood was moderate, comprised of 14 and 3 beds respectively. These beds covered 2 acres (10%) and 1.6 acres (40%) respectively or a combined 3.6 acres (15%) of the surface area of the waters (Map 16). Eleven different aquatic species were identified during this survey. Common species of these water bodies included many members of the pondweed genus *Potamogeton*, of which the most common was Ribbon leaf (*P. epihydris*). Other common species found included Grassy arrowhead (*Sagittaria graminea*) and Spatterdock (*Nuphar variegata*). There were no native species in these water bodies that could easily be confused with invasive species (Table 11).

Of the 13 rake tosses spaced throughout the littoral zone of both waters (Map 17), 4 had acquired plants upon their recovery (31%). Brittlewort (*Nitella sp.*) and White-stem pondweed (*P. prealonus*) were recovered on the rakes but not detected during the surface survey (Table 12).



Map 16: Location of the aquatic plant beds detected in Church Pond & Little Osgood during the surface survey performed on 12 June, 2012.
Data for Plant Beds can be found on Table 11.



Map 17: Rake toss locations on Church Pond & Little Osgood, 12 June, 2012. Open circles represent locations where no plants were detected, closed circles represent locations where plants were encountered on the rake.

Data for Rake Tosses can be found on Table 12.

Table 11: Percent cover of aquatic plant species detected at each plant bed in Church Pond & Little Osgood. Refer to Map 16 for bed locations. A = Abundant (>50% cover), C - Common (25-50%), P = Present (15-25%), O = Occasional (5-15%), and R = Rare (<5%).

Church Pond		Plant Bed Number														
Scientific Name	Common Name	AREA (M ²)	1	2	3	4	5	6	7	8	9	10	11	12	13	14
<i>Eriocaulon sp.</i>	Pipewort	451	O	P	-	O	O	-	R	-	A	-	R	-	-	-
<i>Nuphar variegata</i>	Spatterdock	23	-	P	-	-	O	A	O	R	R	O	R	-	R	R
<i>Potamogeton amplifolius</i>	Large-leaf pondweed	11	-	-	-	-	-	-	-	-	-	-	O	-	-	-
<i>Potamogeton epihydrus</i>	Ribbon-leaf pondweed	307	R	R	-	-	-	-	R	C	-	-	O	R	-	O
<i>Potamogeton gramineus</i>	Variable-leaf pondweed	115	R	R	P	-	O	-	-	-	-	-	-	-	-	-
<i>Potamogeton natans</i>	Floating pondweed	2	-	-	-	-	-	-	-	-	O	C	-	-	-	-
<i>Potamogeton pusillus</i>	Small pondweed	683	-	-	-	-	-	-	R	-	-	-	-	-	-	-
<i>Potamogeton zosterformis</i>	Flatstem pondweed	48	-	-	-	R	-	-	-	-	-	-	-	-	-	-
<i>Sagittaria graminea</i>	Grassy arrowhead	113	R	R	R	P	-	-	-	-	-	-	O	R	P	P
<i>Sparganium sp.</i>	Bur-reed	69	-	R	-	-	-	-	P	-	O	-	R	-	O	O
<i>Vallisneria americana</i>	Eel-grass	4414	R	-	-	R	-	-	R	-	-	-	R	-	-	-

Little Osgood		Plant Bed Number			
Scientific Name	Common Name	AREA (M ²)	1	2	3
<i>Eleocharis sp.</i>	Hairgrass	151	-	-	O
<i>Elodea nuttalia</i>	Western waterweed	1593	-	-	R
<i>Eriocaulon sp.</i>	Pipewort	4559	P	O	-
<i>Nuphar variegata</i>	Spatterdock		O	R	R
<i>Nymphaea odorata</i>	White waterlily		-	A	R
<i>Potamogeton amplifolius</i>	Large-leaf pondweed		-	-	R
<i>Potamogeton epihydrus</i>	Ribbon-leaf pondweed		R	R	R
<i>Potamogeton gramineus</i>	Variable-leaf pondweed		P	O	O
<i>Sagittaria graminea</i>	Grassy arrowhead		-	R	O
<i>Sparganium sp.</i>	Bur-reed		O	C	R
<i>Vallisneria americana</i>	Eel-grass		-	-	R

Table 12: Species present on the rake at each of the rake toss locations and abundance. Refer to Map 17 for Rake locations.

Church Pond		Rake Toss Number		
<i>Scientific Name</i>	Common Name		4	
<i>Nitella sp.</i>	Brittlewort		R	

Little Osgood		Rake Toss Number		
<i>Scientific Name</i>	Common Name	3	5	6
<i>Potamogeton prealongus</i>	White-stem pondweed	-	A	-
<i>Nitella sp.</i>	Brittlewort	-	-	A
<i>Vallisneria americana</i>	Eel-grass	R	-	-
<i>Potamogeton gramineus</i>	Variable-leaf pondweed	-	A	-