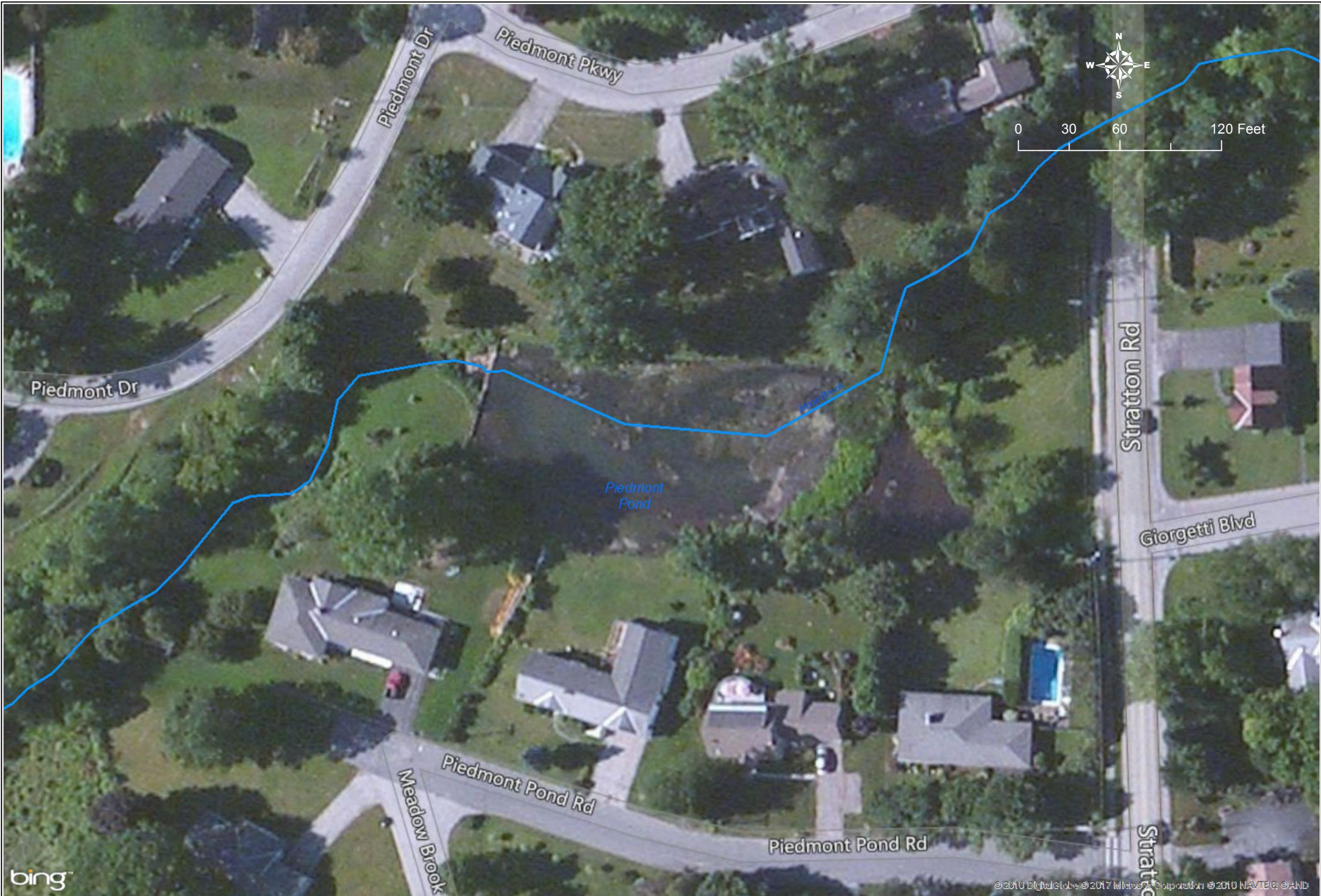


KEY: ++ = best; + = good; o = moderate; - = poor

ID	Alternative	Improve Water Quality		Improve Public Safety			Reduce Liability				Support Community Values					NOTES	
		Reduce Water Temperature	Reduce Stormwater Inputs	Repair and Maintain Dam	Increase Spillway Capacity	Increase Flood Storage	Create Insurable Setting	Reduce Financial Exposure	Ballpark Construction Cost	Ballpark Maintenance Cost per year	Economics	Wildlife	Aesthetics	Recreation	Heritage		Education
A	No action - maintain existing conditions								\$ -	\$ 100							Not possible given court order to meet water quality thresholds and the need to improve dam safety.
B	Dredge accumulated pond sediment																Pond appears to be filled with sediment.
C	Riparian planting																Convert large amount of grass around pond to thick woody vegetation. Plant more large shade trees.
D	Perform dam repair (Improve stone masonry, lower outlet if possible)								\$ 15,000	\$ 1,000							This maintenance is needed to improve current dam safety.
E	Lower pond level 2 feet, plant buffer								\$ 50,000								Pond depth unknown at this time.
F	Lower pond level 4 feet, plant buffer								\$ 50,000								Pond depth unknown at this time, but reports suggest this would empty pond.
G	Restore flowing stream and adjacent wetlands by dam removal								\$ 100,000								Best for dam safety and water quality. Large change at site and lose values associated with pond.
H	Change pond level over year																Use weir boards to lower pond level in summer months to reduce heating. Weir boards historically out in winter.
I	Groundwater mixing																Flow rates currently unknown.
J	Reduce footprint by moving dredge material to edges and planting																Filling of existing pond edge may not be permissible.
K	Install stormwater treatment in upland at upstream end of pond																Install treatment on existing lawn area.
L	Install stormwater treatment in upper corner of pond																OCE design, not implemented.
M																	
N																	

Alternatives from previous work by DuBois & King and Bear Creek Environmental, public meetings, landowner meetings, and Milone & MacBroom.



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Map By: RKS
 MMI#: 4430-02
 MXD: Piedmont_basemap.mxd
 1st Version: January 12, 2017
 Revision: ---
 Scale: See scale bar.

PDMT

PIEDMONT POND BASEMAP
MOON BROOK POND MODIFICATIONS
RUTLAND, VERMONT

SOURCE(S):
 Bing Maps Aerial

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