



Ramp-marking grass.jpg, emailed 5/9/2019

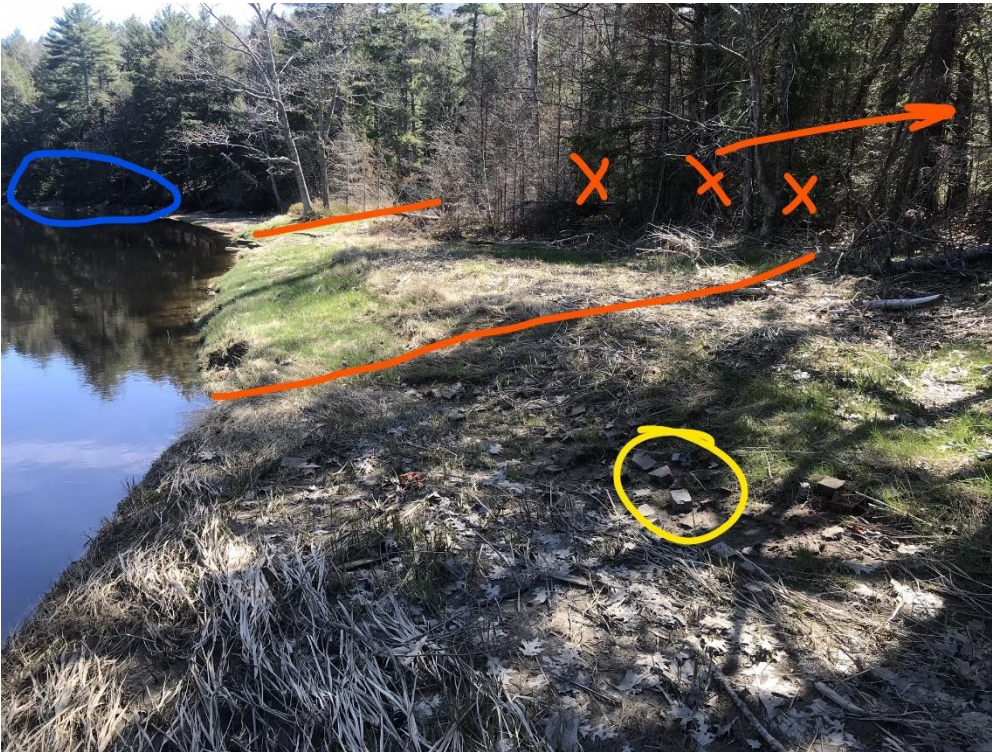
From email: "Attached is a new picture, i lifted the large granite blocks that are anchors for the dock out of the way to get a better picture and then drove some stakes at approx. 12' wide and found a possible way to get through the grass as-is. I will just move the dock to the 'right in photo' a little bit to accommodate."



Alternative1-near campsite-InkledIMG\_1831\_LI.jpg, emailed 5/9/2019

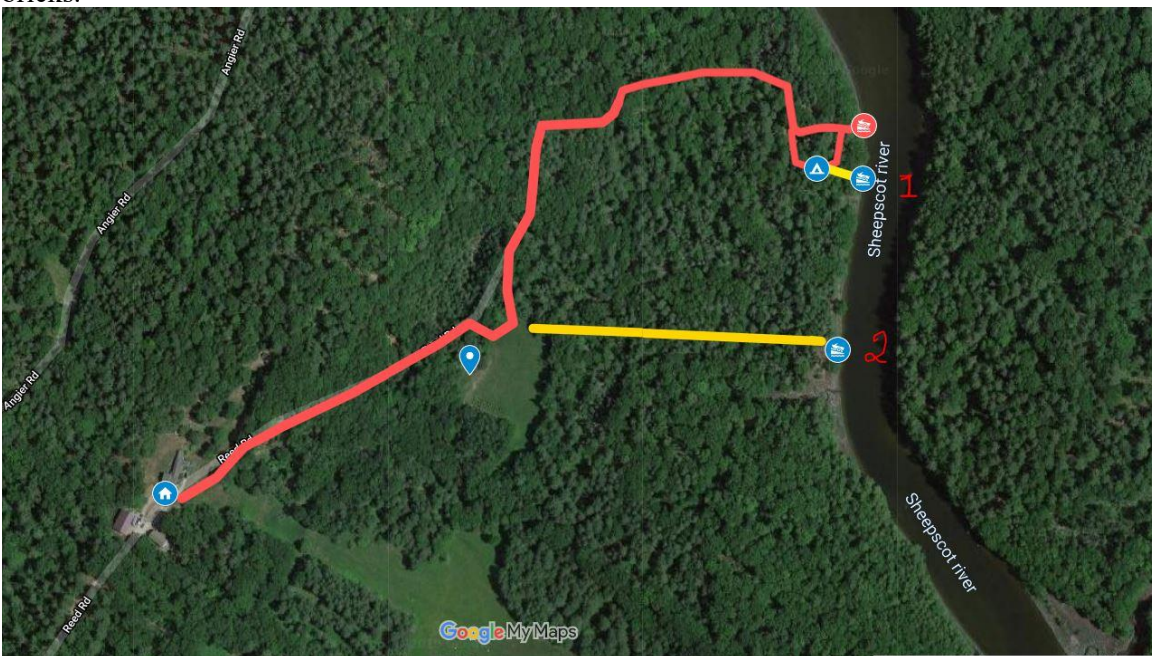
From email: "Here is the 1st alternative i mentioned. It is amazingly grass free, i imagine because its under this oak tree perhaps? I have marked the group of oak trees that i imagine would have to go, i would then clear a road approx. 100-150' straight back to the campsite area. In terms of work effort, i am ambivalent about this option. If it satisfies the DEP/Army Corp, i could handle it."





InkedInkedalternative2-2\_LI.jpg, emailed 5/9/2019

From email: "...here is the final option, it took me a few minutes to sketch this one out. It is actually the location of the old brick sheds...As you can see from the yellow circle, there are bricks everywhere...the entire banking is brick just under the grass and drops off steeply into water. between the orange lines is just regular grass like you might have on your lawn (expect its all grown up and full of debris from spring flooding), not the common cordgrass. The shoreline south of this is significantly steeper (blue circle) and a road would be very hard to build. I would still need to build a significant road to get to this location, im speculating it is easily 750' - 1000' and although the water is deeper at this location, the embankment is much steeper as this is the site of an old pier where they loaded bricks."





Jeff Spinney, Alna, ramp alternatives

From email sent 5/9/2019: "...but it seems to require heavy machinery to put it in and out each time. Also, the footprint size is larger than what i am seeking. (only available in 10.8' or 13.8' widths). Finally, the cost is approx. 4-5 times that of a concrete plank option and still requires some site prep work."





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From email sent 5/9/2019: "...it is little concrete pyramids on a geotextile fabric and apparently grass and stuff grows right through it. i was told it has 30% 'gaps' so its technically less surface area than a solid surface and the manufacturer says that makes it more environment friendly. I was told by the manufacturer that these are being used on some boat ramps by the state here in maine. I think cost is reasonably comparable but still needs a subbase prepared."