

Greetings Rick

Below, I provide some suggestions for each site (1-3) that you're currently focused on. I went back and looked at the original map to take measurements of the proposed sites in order to understand how the spatial extent of the areas could best be used while staying within budget. I've attached an excel spreadsheet that provides a budget for each site and a total budget for the project. This project includes the use of 20 custom made "downed logs", 40 custom made "brush piles", 10 Mossback Root Wads, 8 Mossback Safe Havens, 12 Mossback Trophy Trees, and 1 Mossback Trophy Tree XL Kit. I'd suggest using the additional 2 "downed logs" and 4 "brush piles" to extend upon one of the sites as you see fit. Descriptions of the Mossback habitats can be found here (<https://www.mossbackfishhabitat.com/collections/store-page>). All Mossback units that aren't labeled as 'kits' don't have bases, but Mossback provides adapters to attach the units to concrete blocks in order to hold them in place (see attached picture). The adapter units sell for \$10/piece. I've included them in the budget.

Site 1:

This site measures 220 ft x 100 ft, ranges from 0-11 ft in depth, and contains intermittent boulder and woody debris habitat. For this site, I suggest 6 juvenile fish sites and 4 adult Bluegill and bass sites. Every 35-40 ft along the shoreline, place a Mossback Root Wad in 5ft of water. Between each Root Wad and the shoreline, place 2 "downed logs". On both sides of each Root Wad, and directly outside each Root Wad (in deeper water), place 4 "brush piles" (i.e., 1 brush pile on each side and 2 brush piles in deeper water). This will create excellent habitat for young bluegill and other baitfish. Then, outside of all of this structure, place 4 Mossback Safe Havens parallel to the shoreline, each spaced ~ 45 ft apart, and in ~6-9 ft of water. This will provide rearing and feeding habitat for both juvenile and adult Bluegill. Just outside of each of the Safe Havens, place a Mossback Trophy Tree in 9-12 ft of water. This will be the prime feeding habitat for Bass (i.e., prime fishing habitat for you). I would try to take advantage of the existing woody debris in that area, placing the Trophy Trees adjacent to woody structure that already exists.

Site 2:

This site measures 220 ft x 140 ft, ranges from 12-14 ft in depth, contains no structure, and is in one of the deepest areas in the cove. The distance from the shoreline combined with the deep depths of this site make it better suited toward bass feeding habitat than baitfish rearing habitat. For this site, I recommend placing a Mossback Trophy Tree XL Kit in the middle of the site and surrounding it with 4 Mossback Trophy Trees. The Mossback Trophy Tree XL Kit is ~8 ft tall, making use of the deep hole in this area. The Trophy Trees will provide additional structure to make this an excellent year-round fishing hole for both bass and crappie.

Site 3:

This site measures 300 ft x 190 ft (150 ft of island shoreline), ranges from 3-7 ft in depth, and contains a relatively deep hole in close proximity to an island. Woody debris is found scattered throughout the site. For this site, I recommend placing 4 Mossback Root Wads spaced ~ 40 ft apart along the island shoreline in 4 ft of water. Similar to site 1, place 2 "downed logs" in between each Root Wad and the shoreline. Then, surround each Root Wad with 4 "brush piles" (1 on each side and 2 in deeper water). Outside each of these Root Wad stations, place a Safe Haven in 5-6 ft of water for adult Bluegill habitat and a Trophy Tree in 6-7 ft of water for bass feeding habitat. Similar to Site 1, I would try to take advantage of the existing woody habitat by placing the Mossback Habitats near the structure.

I know there are quite a few moving parts to this plan. I'd like to chat about plans over the phone once you have a chance to look over everything.

I look forward to assisting you with this great project!

Zach Peterson