

The environment at the sampling site

River Mile	Land	Shoreline	Water Area	Plants
RM 2	Concrete pier in Manhattan, piling field stretching out to the west. Picnic tables, park like area. 3 gardens with wild flowers	Shore lined by concrete bulkhead. Combined sewage overflow ~200 yards North of site	Muddy and ~12 feet deep	Plants clinging to pilings out in the river are mostly submerged
RM 6	Medium size marina with permanent and temporary dockage.	Rip rap with seven feet water clearance at high tides. Docks anchored with timbers. Floating and fixed docks.	Water is littered with debris. Green silty bottom. Garbage floating.	No plants
RM 15.5	Palisades Interstate Park dock	Rocky, pilings and dolphins (both wooden)	18 Ft. deep	No Plants
RM 23	Open and grassy, parking lot and boat launches, fishing access	Beach with sand and some rip rap along shore. The northern and southern limits have wooden timbers and bulkheading. Pipe with discharges on the Northern end of beach	Sandy towards the shoreline, and muddy in the deeper waters with some rocks	<i>Vallisneria Americana</i> and <i>Potamogeton crispus</i> in the net
RM 25 Site 1	Open, rocky, used by people for picnics, fishing. Old Navy pier	Marsh, rip rap, large sewage pipe	10-15 cm , rocky close to shore	Primarily cattails, plants in water less than half
Site 2	Pier over river. Heavily forested coastline is developed. Bulk heading, wooden timbers, pavement stone	Shoreline is forested, bridge across from it. Rocky	Bottom is rocky, muddy, ~100cm.	Seaweed deep underneath, very little plant life.
Site 3	The land on our site is a pier where people bike, walk , jog, and run	Wooden timbers describes the shoreline	Muddy and weedy	No plants
Site 4	One tree and lots of rocks. Used for fishing and walking	Rocky and has rip rap	Very rocky and only knee deep	Area full of reed grass
RM 67	Yacht club, homes, lawns, small blacktop parking lot	Sandy with rocks	Mixture of sand, mud, rocks. Depth about 15 feet	No plants growing at site. Some have floated in from the Wappingers creek. Chestnut, milfoil, water celery
RM 97	Grass with sandy	Beach, groomed for	Gentle slope	Very few plants

	beach, rocky, hilly, forest	swimming Sand with rocks and bricks	Sandy bottom	
RM 91	Open, grass, parking lot, boat launch, picnic area, across from Esopus lighthouse, near train and Rhinecliff train station	Boat launch, cemented and muddy, wooden timbers	Muddy and rocky with broken cement	Water chestnuts, duckweed, and algae – it was smelly
RM 115	Preserve is forested, sample site is in a clearing with several cottonwood trees, few hardwoods. Picnics, fishing, env. education	Mudflat, with submerged and emergent vegetation on the north and south. Old dock/bulkhead on the east	Water off the old dock is about 18" at low tide. #feet around 50' off the old shore of the south bay at low tide	Plants cover about 1/2 of site to the south where we fish, and less than half of where we sampled for macros at North bay.. Spatterdock, duckweed, common reed, pickerelweed, wild rice, arrowhead, arrow arum, water chestnut, water celery, bulrush, 3 square rush, yellow flag, cattail, smartweed, milfoil, greentail, mudwort.
RM 124	Partially forested, beach NW side, forest on east. Nest in a tree	Beach, muddy, rocky and sandy. Wooden timbers, and large rocks along shore	1ft depth, bottom sandy, muddy weedy, rocky	None in water, plants floating...water celery, water chestnuts
RM 127	Forested and sand. Picnics, fishing, swimming, camping	Sandy beach with trees.	Dandy with mud. Knee to mid-thigh high	Trees and a few bushes...due to high tide
RM 152	Open, grassy, some trees, used for picnics and fishing	Muddy and rocky Riprap, one pipe discharged for storm drain	Muddy and very rocky. Low tide ~3-4feet deep	Water celery, water chestnut, lesser duckweed, cover ~1/2 area

