

NATIVE PLANT SHORELINE BUFFERS

LAKES, STREAMS, PONDS, DETENTION BASINS



JFNew is an expert at shoreline buffer design and implementation to improve water quality. Our team can assist from the onset to design an effective permanent solution to improve shoreline aesthetics, and alleviate a host of water quality issues including:

- **Reduced Erosion and Sedimentation.** Native buffer strips will reduce soil erosion and sedimentation by holding soil in place, absorbing excess water and improving infiltration. The deeper the roots, the more effectively slopes are stabilized.



Before



After

- **Reduced Undesirable Nutrients.** Phosphorus and nitrogen feed aquatic plants and algae. Native plant buffer strips capture and absorb nutrients before they can enter waterways, therefore reducing waterfront nuisance vegetation and algae.
- **Deterred Ducks and Geese.** Native plant buffer strips are a natural deterrent yet they attract song birds.

The benefits of Native Plant Shoreline Buffers are numerous. Some of the most common advantages include:

- **Enhanced Visual Appeal.** Shorelines come alive with beautiful season-long color.
- **Improved Wildlife Habitat.** Song birds and butterflies will thrive.
- **Reduced Maintenance Cost.** Very little maintenance will be required once plants become established.

The JFNew team can design each project to meet your goals and objectives. Our Native Plant Nursery handles over 360 different species of native plants. We have standard seed mixes for shoreline buffers depending on water levels from submerged to upland dry. We

can customize any mix to provide particular species or color desired for your landscape.

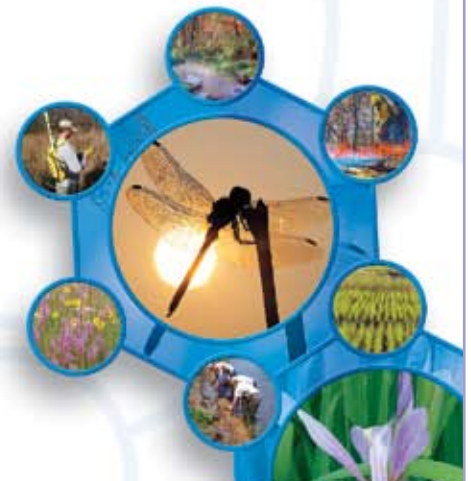


Before



After

JFNew restoration experts can provide a turnkey solution (design, build, plant materials) for detention basin or shoreline improvements. Contact Jon Dittmar at 574-586-2412 for more information.



The JFNew Native Plant Nursery has the following standard seed mixes available (custom seed mixes also available). JFNew also provides native plant installation services for projects of every scale and natural area management. Mixes include:

Wetland Edge Seed Mix

This is a wetland and pond edge mix for sites with stable saturated soil conditions and good water quality. Appropriate for planting in saturated soils. Some species will spread to water depths up to four inches.



Stormwater Seed Mix

A wetland seed mix for saturated soils in a detention pond or for seeding a rain garden. This mix consists of species which are tolerant of highly fluctuating water levels and poor water quality associated with urban stormwater wetlands and ponds. For detention basins that experience long periods of dry down, use our Economy Prairie Seed Mix in the upper half to third of the basin area.

Midwestern Golf Course Pond Edge Mix

This special native seed mix is designed with Midwestern golf course ponds in mind. The species in this mix will transform most artificial ponds into a natural-looking water feature. Once established, the vegetation will help to reduce pond edge erosion, add color and interest, and help filter nutrients from runoff. The medium-height vegetation also helps to discourage geese.



Swale Seed Mix

A swale is a drainage ditch or natural depression along a roadside, sidewalk or driveway that may or may not lead to a retention pond. The native plants used in our Swale Seed Mix help filter pollutants from yard and road runoff. Homeowners can blend their landscaping in their yard with the natives in the swale. This mix can also be applied to areas in a yard that retain water for some time after a rain. Used in this way, homeowners can create a rain garden with beautiful native wildflowers, grasses and sedges.

Slope Stabilization Seed Mix

This grass mix is for sites with slopes where erosion control is needed. Applications include embankments, dams and levees.

Emergent Wetland Seed Mix

A wetland seed mix for saturated soils and shallow water in wetlands and ponds with relatively stable water levels and good water quality. This mix is appropriate for planting in saturated soils. It will spread to water depths of up to 12 inches.



Bioengineering materials and native plants were installed by JFNew along the edges of this retention pond for a residential subdivision in central Indiana.

www.jfnew.com

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GSA Schedule
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