



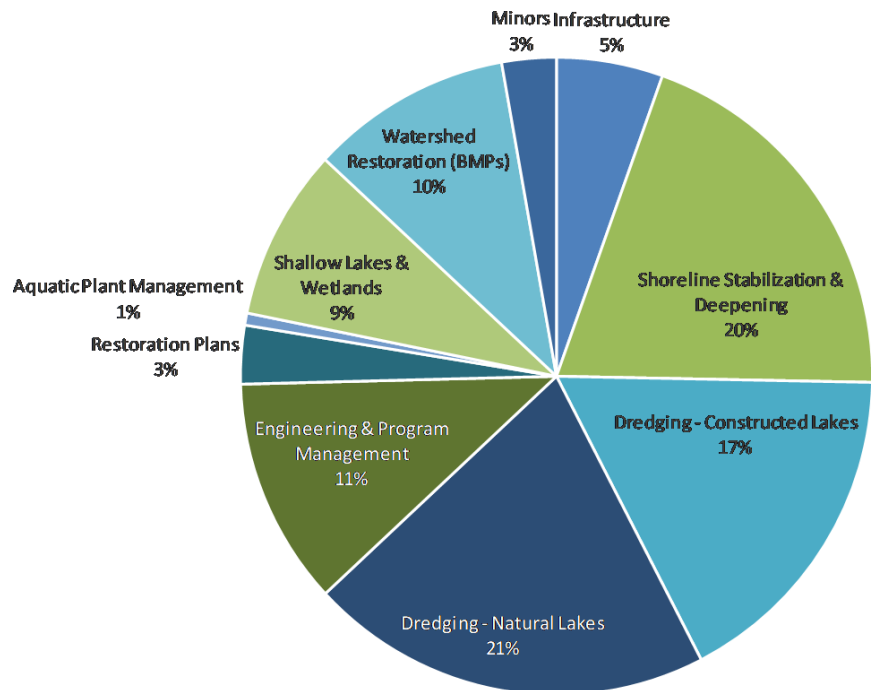
LAKE RESTORATION PROGRAM

- ◇ Created in 2006, the Lake Restoration Program (LRP) is administered by the Iowa DNR and funds water quality and infrastructure improvement projects on publicly-owned lakes in Iowa.
- ◇ The DNR, in partnership with stakeholders, maintains a five-year plan to develop and implement restoration efforts at a priority list of thirty-five lakes and five shallow lake/wetlands throughout the state.
- ◇ Iowa is a national leader for lake restoration - We are the only statewide legislatively funded program that addresses water quality issues, aging infrastructure, ecological health, and public recreation.
- ◇ To date, the legislature has allocated \$157 Million to the program, lending to investment at sixty-five lakes within forty-seven counties.

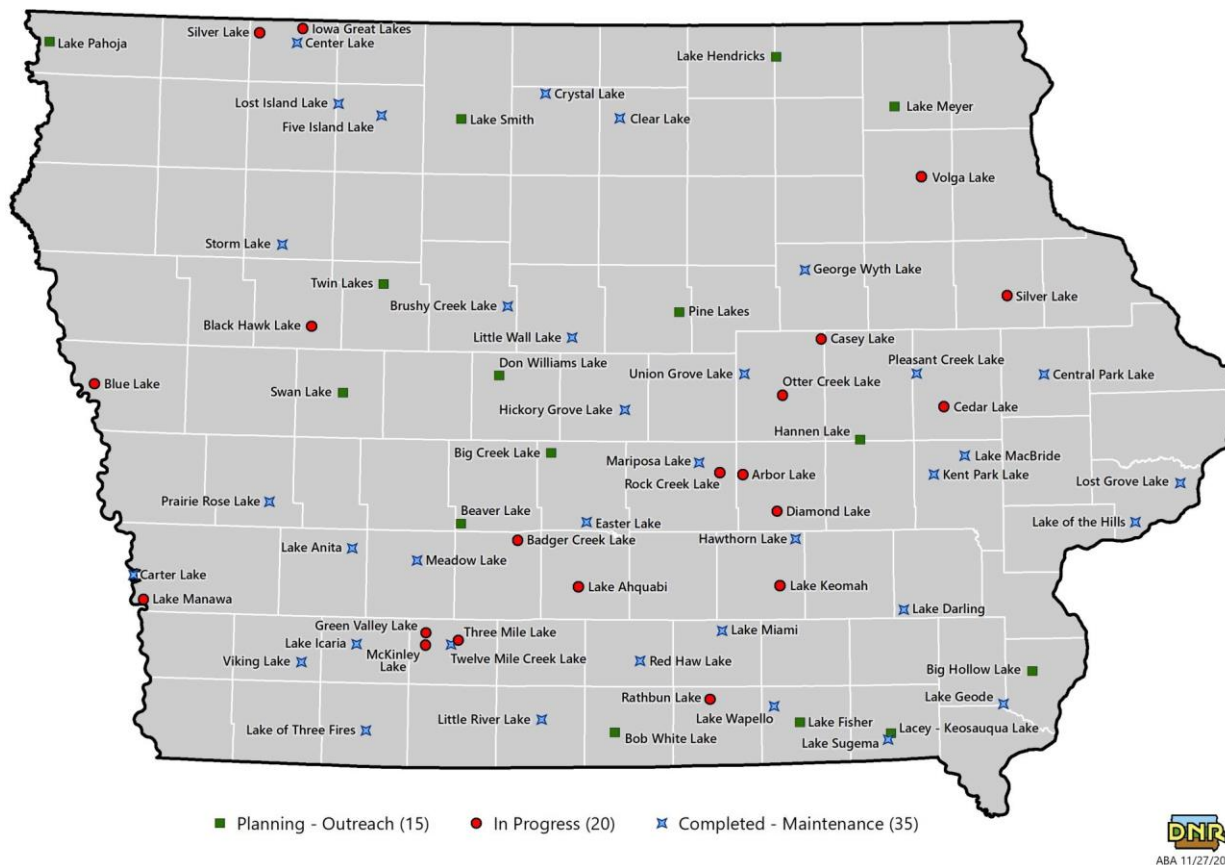
ACCOMPLISHMENTS OVER THE PAST 17 YEARS

- ◇ Twenty-six miles of shoreline protection
- ◇ 5M cubic yards (300,000 dump trucks) of excess sediment removed
- ◇ 42 projects enhancing 14,000 wetland/shallow lake acres
- ◇ Over 200 watershed BMPs (e.g. ponds, grade stabilization structures, urban stormwater BMPs, and upland/stream restorations)
- ◇ Over 700 BMPs constructed in priority watersheds in concert with project partners (e.g. NRCS, SWCD, US EPA Section 319, IDALS)
- ◇ 45 infrastructure projects (e.g. dam/spillway repairs, outlet water control structures, fish barriers)

PROGRAM SPENDING BY CATEGORY



STATUS OF LAKE RESTORATION PROJECTS, STATE FISCAL YEAR 2024



PROGRAM GOALS:

- ◇ Ensure significant improvement in water clarity, safety, and quality of Iowa lakes
- ◇ Provide for a sustainable, healthy, functioning lake ecosystem
- ◇ Ensure a cost-effective positive return on investment for the citizens of Iowa
- ◇ Ensure local community commitment to lake and watershed protection

RECENTLY COMPLETED MAJOR PROJECTS

KENT PARK LAKE, JOHNSON COUNTY



Accessible fishing pier and limestone steps

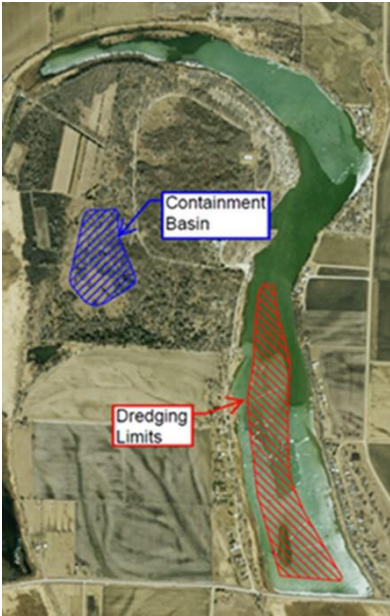
- 80% of the watershed protected by ponds and wetlands
- 250 acres of timber stand improvement and prairie restoration in the park
- Over 450 fish habitat structures installed in the lake
- 11,743 dump trucks of excess sediment removed from the lake

\$2.7 Million invested by the program and Johnson County Conservation

“The restoration of Kent Park Lake would not have been as successful without the leadership, experience, and funding assistance from the Lake Restoration Program.”

- Larry Gullet, Director, Johnson CCB

BLUE LAKE, MONONA COUNTY



- Beach area improved to reduce erosion and for better access and recreation
- 1,800 feet of critically eroding shoreline was stabilized
- New boat ramps with increased accessibility will relieve congestion at this popular park
- 455,385 cubic yards of excess sediment removed from the lake (photo left)
- 7,000 feet of pipe upgraded to improve pumping capacity of the auxiliary water supply (photo right)
- Nebowa Bay restored by increasing sediment storage capacity to intercept nutrients from the watershed



\$4.3 Million invested by the DNR and project partners

CENTRAL PARK LAKE, JONES COUNTY



Grand Re-Opening Celebration at the park

- **35%** of the lake's volume was lost to sedimentation prior to restoration
- **3 feet** of increased water clarity following restoration
- **100%** of the watershed treated by ponds and wetlands
- **5,870 dump trucks** of excess sediment removed from the lake
- **8,129 feet** of shoreline protected
- **12 Conservation practices** installed within the park
- **270 fish habitat structures** placed on the lake bottom

\$4.3 Million invested by project partners

LAKE AHQUABI, WARREN COUNTY

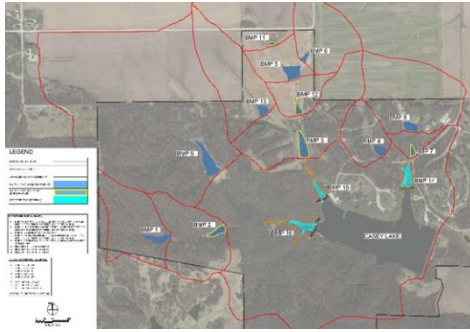
- **180,000 cubic yards** of excess sediment and native soils removed from the lake to create new habitat and recreational opportunities
- **5,100 feet** of shoreline protected to reduce erosion from wind and waves
- **2,600 ton** of riprap used to stabilize shorelines
- **Over 100 fish habitat structures** including rock mounds, spawning reefs and "catfish condos" placed near shoreline-accessible fishing areas
- **Extensive timber restoration** in the park to remove invasive species, stabilize soils and create new habitat
- **New dock** at the main boat ramp will provide better access to the lake
- **New restroom facilities** installed within the park



Construction equipment removes excess sediment from the lake bottom

\$10.8 Million invested by DNR

FISCAL YEAR 2024 MAJOR PROJECTS



CASEY LAKE, TAMA COUNTY

- ◇ Renovation and construction of seven nutrient/sediment control ponds
- ◇ Timber stand improvement and grade stabilization structures
- ◇ Excess sediment removal and creation of two in-lake silt basins
- ◇ Upgrade old dam infrastructure components
- ◇ Fish habitat and lake access amenities

RATHBUN LAKE, APPANOOSE COUNTY

- ◇ US Army Corps of Engineers - Section 1135 ecosystem restoration projects
- ◇ Installation of a barrier at the reservoir's outlet to prevent fish loss
- ◇ Shoreline protection of key habitat areas
- ◇ Restore 125 acres of wetland habitat in the Walker Branch Wildlife Management Area to protect the lake



THREE MILE LAKE, UNION COUNTY

- ◇ Renovation and construction of seven nutrient/sediment control ponds
- ◇ Timber stand improvement and grade stabilization structures
- ◇ Excess sediment removal and creation of two in-lake silt basins
- ◇ Upgrade old dam infrastructure components
- ◇ Fish habitat and lake access amenities

LAKE KEOMAH, MAHASKA COUNTY

- ◇ Shoreline protection
- ◇ Sediment removal and restoration of in-lake silt basin
- ◇ Dam repair/modification (gate valve, spillway, fish barrier)
- ◇ Shoreline access - fishing trail and jetties
- ◇ Boat ramp improvements at both the north and south boat ramps



OTHER MAJOR PROJECTS:

- ◇ Shallow lake restorations at Pleasant/Lily Lakes (Dickinson) & Eagle Lake (Hancock)
- ◇ Three Mile Lake, Union County, in-lake silt basin renovation, watershed BMPs, shoreline stabilization, and fish habitat
- ◇ Shoreline protection at Silver Lake, Dickinson County