



## Smallwood Lake Restoration Activity and Timeline

| Activity  | Scheduled Completion  | Completion |
|---|---|------------|
| <b>Engineering Design</b>   |   |            |
| Design Criteria Development   | July 2021   |            |
| Data Collection and Base Mapping  | September 2021  |            |
| <ul style="list-style-type: none"> <li>Topography, Boundary and Utility</li> <li>Wetland Boundary Survey</li> <li>Mussel Survey</li> <li>Threatened and Endangered Species Survey</li> <li>Cultural Resources Survey</li> <li>Soil Borings</li> <li>Dive Inspection</li> <li>Existing Conditions Base Map</li> </ul>  | Aug<br>Aug<br>Aug<br>Aug<br>Aug<br>Aug<br>Aug<br>Sept       |            |
| Risk Based Analyses and Spillway Capacity Design  | TBD/December 2021   |            |
| <ul style="list-style-type: none"> <li>Report submittal to EGLE</li> <li>EGLE comments/acceptance</li> </ul>  | Oct 2021<br>TBD/Dec   |            |
| 60% Engineering Design Submittal  | December 2021   |            |
| <ul style="list-style-type: none"> <li>Geotechnical – preliminary design</li> <li>Civil – preliminary design</li> <li>Structural – preliminary design</li> <li>Mechanical and Electrical – preliminary design</li> <li>Hydraulics – preliminary design</li> <li>Independent 3<sup>rd</sup> party review</li> </ul>  | Sept<br>Sept<br>Oct<br>Oct<br>Nov<br>Nov                    |            |
| 90% Engineering Design Submittal  | March 2022  |            |
| <ul style="list-style-type: none"> <li>Geotechnical – final design</li> <li>Civil – final design</li> <li>Structural – final design</li> <li>Mechanical and Electrical – final design</li> <li>Hydraulics – final design</li> <li>Technical Specifications and Contracts</li> <li>Environmental -final design</li> <li>Soil Erosion and Sediment Control Plan</li> <li>Independent 3<sup>rd</sup> party review</li> </ul> | Feb<br>Feb<br>Feb<br>Feb<br>Feb<br>Mar<br>Mar<br>Mar<br>Mar |            |
| <b>100% complete engineering plans</b>  | <b>May 2022</b>   |            |
| <b>Special Assessment District (SAD) and Financing</b>  |   |            |
| Communicate O&M methodology and CIP methodology to public   | November 2021   |            |
| Submit Preliminary Special Assessment Roll, Environmental Reports and Preliminary Engineering to USDA   | March 2022  |            |
| <ul style="list-style-type: none"> <li>SHPO Cultural/historical resource report</li> <li>Section 7 Endangered Species Act report</li> <li>Project plan and alternative analysis</li> <li>Construction and operating cost projections</li> <li>SAD methods</li> </ul>  |   |            |
| USDA Approval and Obligation of Funds   | TBD   |            |
| Special Assessment Hearing for O&M Roll and CIP Roll  | May 2022  |            |
| County Board Vote to Approve the O&M Roll and CIP Roll  | June 2022   |            |
| Submittal of USDA bidding documents   | June 2022   |            |
| <ul style="list-style-type: none"> <li>100 percent engineering plans and specifications</li> <li>EGLE permits / Environmental and Safety Permits</li> </ul>   |   |            |
| USDA Approval to Bid Project  | TBD   |            |
| USDA Closing Submittal  | December 2022   |            |
| O&M Assessments on Winter Taxes   | December 2022   |            |
| CIP Assessments on Winter Taxes   | December 2023   |            |
| <b>Environmental and Permitting Requirements</b>  |   |            |
| Part 301 – Inland Lake and Streams Impacts  | Feb 2021  |            |
| <ul style="list-style-type: none"> <li>Water Control Plan</li> <li>Stranded Organisms Plan</li> <li>Permanent and temporary impacts design and application</li> </ul>   |   |            |
| Part 303 - Wetland Impacts  | Dec 2021  |            |
| <ul style="list-style-type: none"> <li>Permanent and temporary impacts design and application</li> <li>Wetland Mitigation</li> </ul>  |   |            |
| Part 31 - Floodplain Impacts  | Feb 2021  |            |
| <ul style="list-style-type: none"> <li>Hydraulic modeling – flood plain elevations</li> <li>Permanent and temporary impacts design and application</li> </ul>   |   |            |
| Part 315 – Dam Safety   | Feb 2021  |            |
| <ul style="list-style-type: none"> <li>Spillway Design Storm Capacity</li> </ul>  | TBD/Dec 21  |            |
| Part 365/Section 7 – Threatened and Endangered Species  | Nov 2021  |            |
| Section 106 – Historic Preservation (SHPO)  | Nov 2021  |            |
| EGLE permit application submittal   | April 2022  |            |
| Part 91 – Soil Erosion and Sediment Control permit submittal  | April 2022  |            |
| EGLE Issues Permit  | TBD/June 2022   |            |
| <b>Construction</b>   |   |            |
| Notice to Proceed   | Feb 2023  |            |
| Completion  | 2024  |            |