Lake Phelps Water Management Study







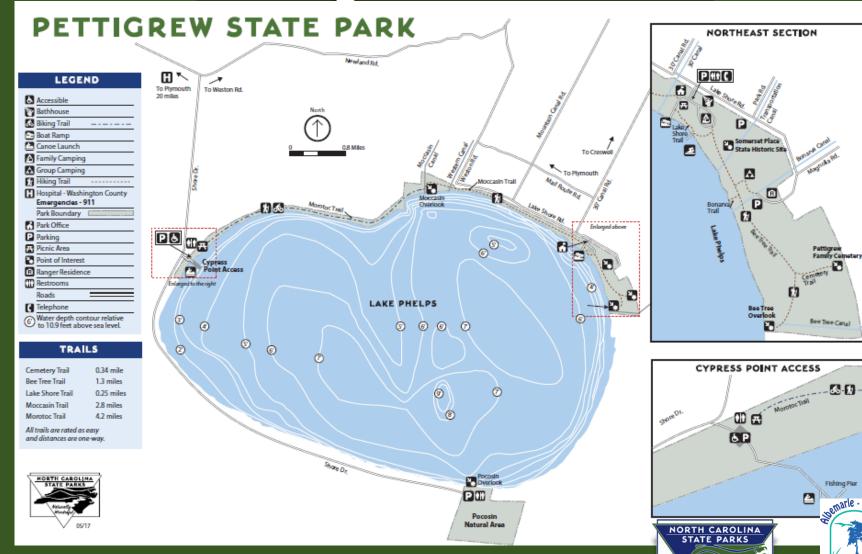
Pettigrew State Park

- The park was established in 1936
- Lake Phelps is approximately 16,600 the second largest natural lake in the state
- Approximately 1,300 acres of parkland around the lake and an addition 4,400 acres along the Scuppernong River
- Park activities include camping, fishing, picnicking, boating, hiking and wildlife viewing





Pettigrew State Park



Fishing Pier

semarle - Pany

1980 Lake Management Study

Purpose of the Study:

- Preserves the lake's natural integrity
- Enhance wildlife habitat
- Maintain outdoor recreation
- Reduce flood frequencies/durations
- "for the combined best interest citizens
- of North Carolina, their visitors, lake's neighbors
- and the landowners along the canals which
- drain water to the lake."





1980 Lake Management Study The study called for water levels in Lake Phelps to be maintained between 10.41 and 12.1 feet Lake fluctuation is currently divided into 4 hdromanagement periods:





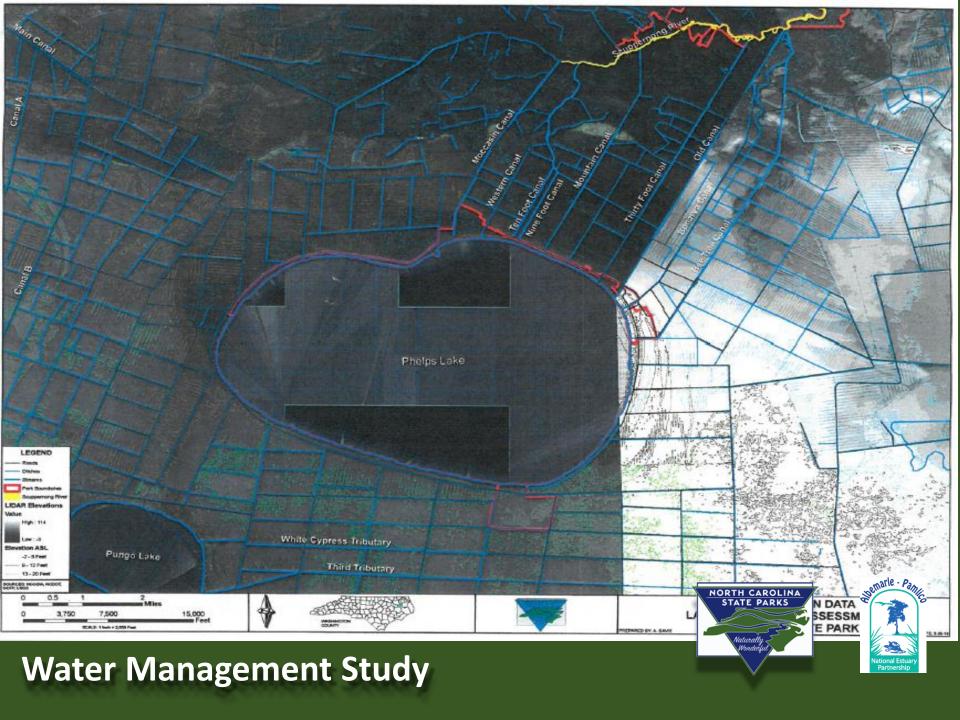
1980 Lake Management Study

- 1. November to early February (period of lake recharge)
- 2. Early February to mid-March (a period of flow release for anadromous fishery)
- 3. Mid-March to mid-July (a period of lake recharge)
- 4. Mid-July to late October (a period of flow release in preparation of the tropical storm season)



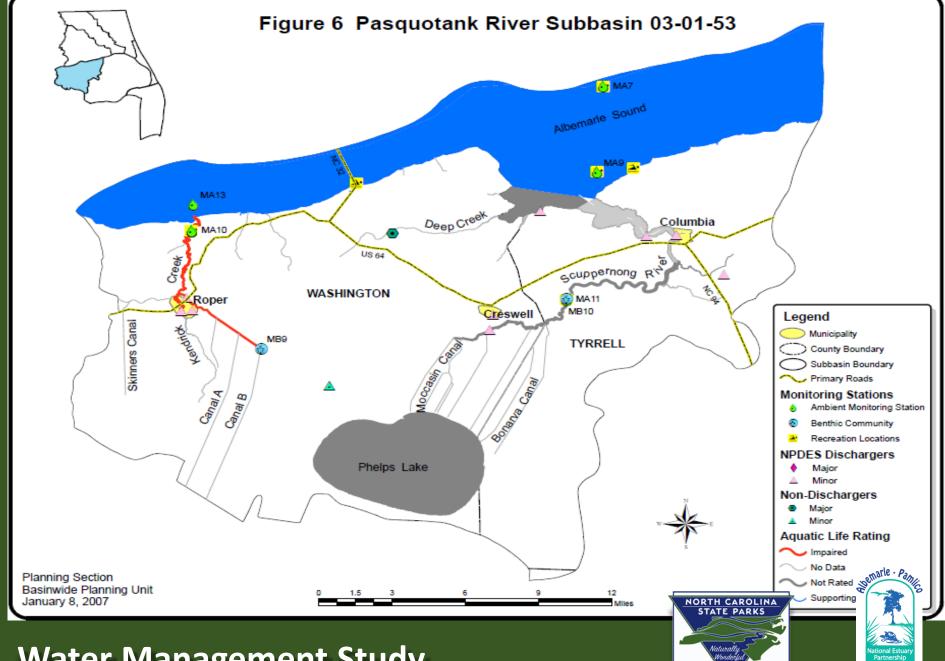














Questions?



Water Management Study