



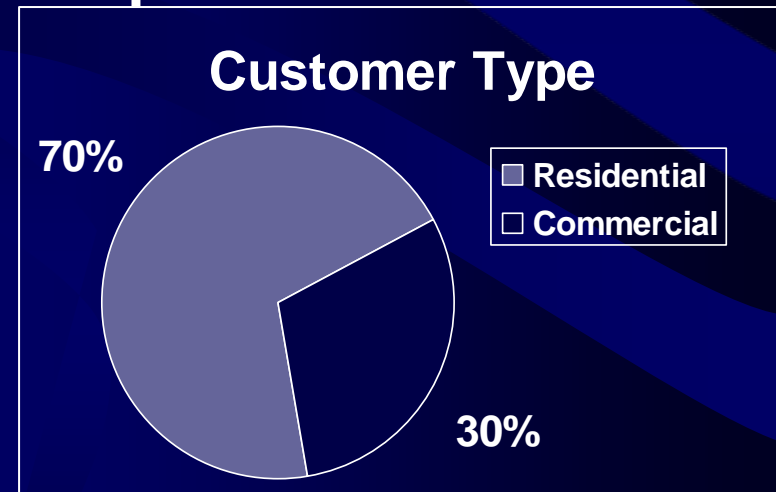
**Town of Cary
Water Supply**

March 18, 2008

Who uses water from Cary



- Cary serves over 40,000 accounts:
 - Cary
 - Morrisville
 - RTP South
 - RDU Airport
- WTP shared with Apex

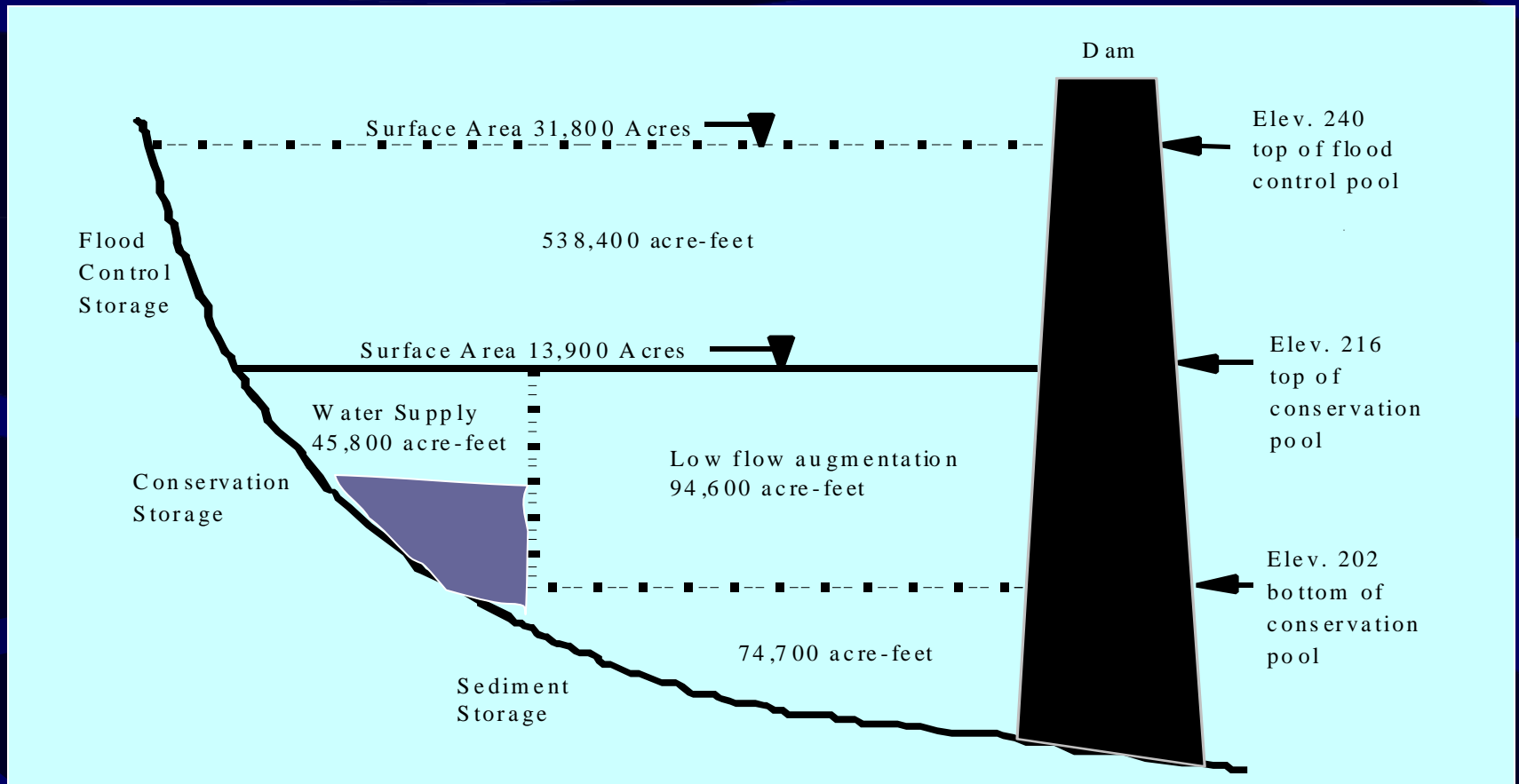


Where we get our water: Jordan Lake

- Corps of Engineers manages the lake for:
 - Flood control
 - Water supply
 - Low flow augmentation
 - Recreation
- State owns water supply (est. 100 mgd)
- EMC controls allocations
- DWR manages allocations



Where we get our water: Jordan Lake



- Cary/Apex/Morrisville/ Wake Co (RTP South) allocation is 39% = 39 mgd average annual safe yield (based on 2030)
- Elevation is most impacted by low flow augmentation

Current Status

- **Lake elevation above guide curve (216 ft msl) since 2/13**
- **Conservation pool 100% full (water supply and low flow augmentation)**
- **NC Drought Monitor D3 - Extreme Drought (D4 since Oct 2007)**
- **Irrigation ban since 11/1/07**

Future Plans

- **Current Jordan Lake allocation will meet needs through about 2025**
- **Next WTP expansion (40 mgd to 56 mgd) planned for about 2013**
- **Integrated Water Resources Management Plan (2007) included additional conservation measures and reclaimed water use**

Governor's Measures Already in Place in Cary

- ✓ **An updated Water Shortage Plan**
- ✓ **A comprehensive water system leak detection program**
- ✓ **Tiered rate structure**
- ✓ **A requirement for separate water meters on irrigation services**
- ✓ **Irrigation system standards and plan review**
- ✓ **Water system Interconnections with Raleigh and Durham and via Durham can assist Orange Water and Sewer Authority**
- ✓ **Giveaways of and rebates for certain plumbing fixture upgrades**

New Initiatives by Cary

- **New water conservation:**
 - Warm season grass incentive for new development
 - Turf Buy Back
 - High-Efficiency Toilet Rebate
 - Rain Barrel Kits at cost
- **Reclaimed Water Master Plan**
- **Resolution supporting regional water supply planning**