

Lake Worth Projects Update December 19, 2013



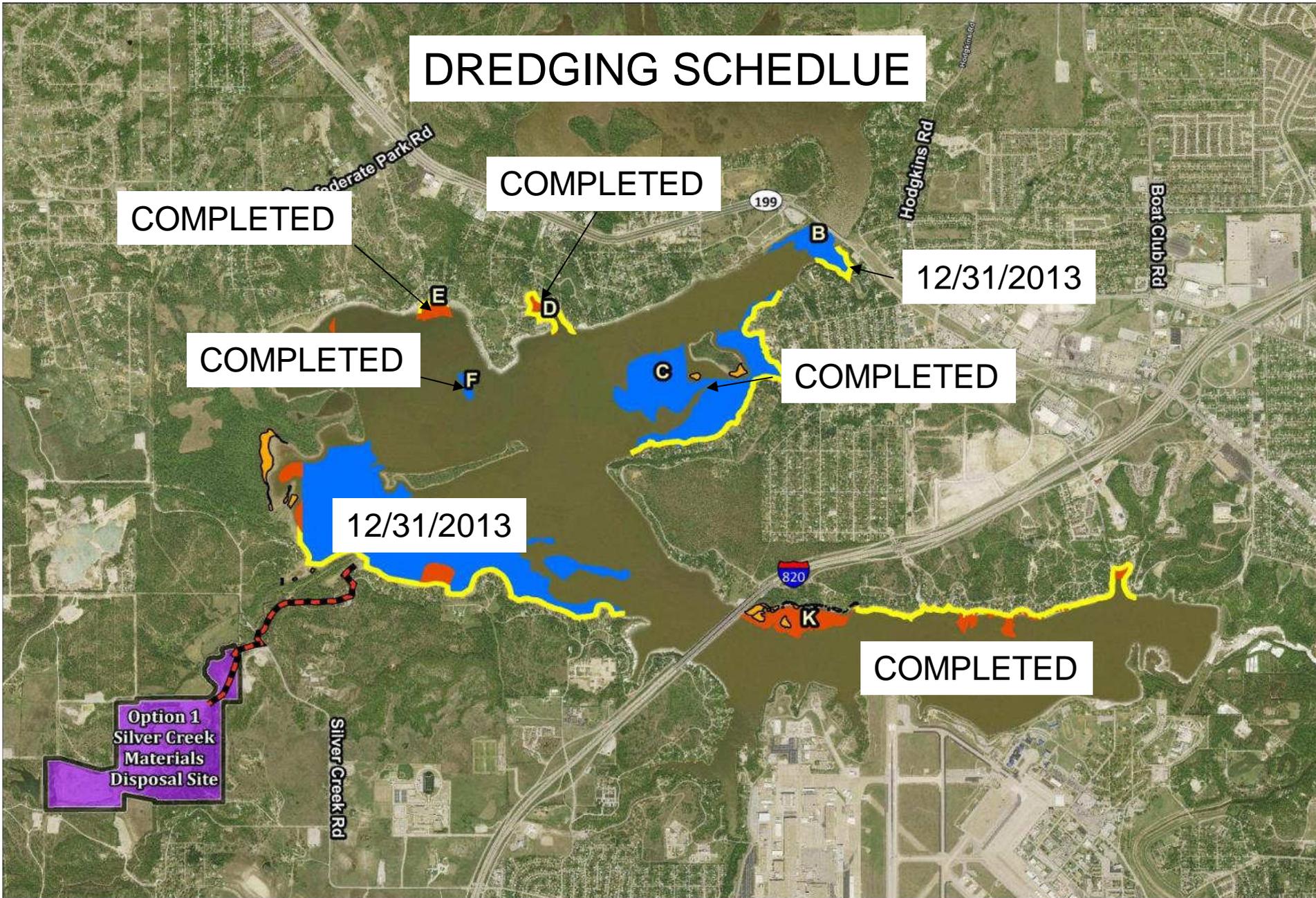
Paul Bounds, Regulatory and Environmental Coordinator
Fort Worth Water Department



Dredging

- 2,046,617 cubic yards dredged through November 30, 2013
- Total remaining –89,808 cubic yards
- 96% complete
- Currently working at Casino Beach and cove in Area H
- Scheduled to complete by 12/31/13
- Demobilization to be complete by 2/28/13

DREDGING SCHEDULE



- Proposed Transmission Line
- 100' Boat Dredging Zone
- Phase I
- Phase II
- Wetlands

City of Fort Worth Water Department
Lake Worth Phase II Dredging Project
Project Limits

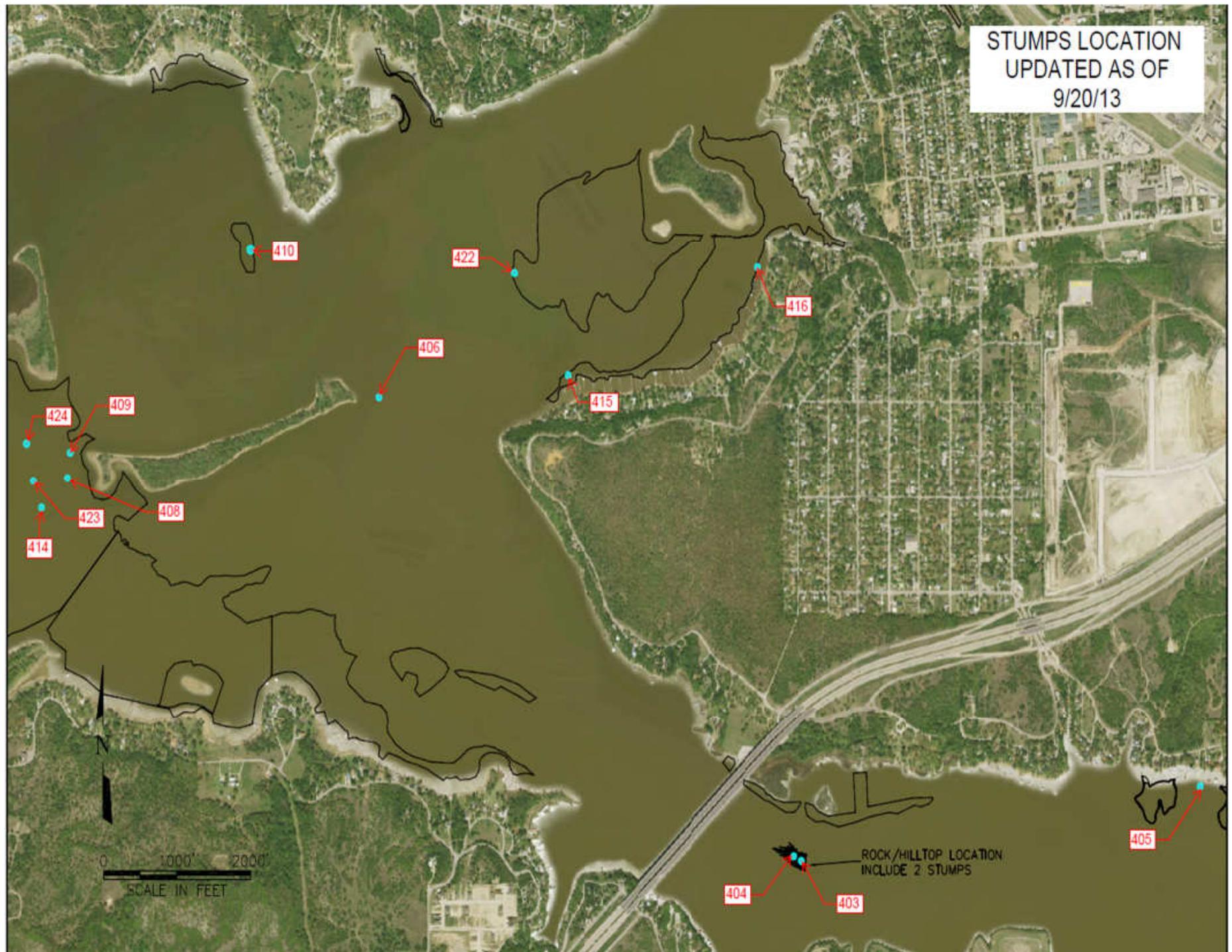


Stump and Hazard Removal Review Plan

- Compile maps of current and previous stump removal projects
- Identify remaining hazards for physical verification
- Locate and mark verified hazards
- Issue field order to Great Lakes for removal of verified hazards



STUMPS LOCATION
UPDATED AS OF
9/20/13



0 1000' 2000'
SCALE IN FEET

ROCK/HILLTOP LOCATION
INCLUDE 2 STUMPS

424 409
423 408
414

410
422
406

415

416

404

403

405





Watercress/ Casino Beach Water and Sewer Improvements

- Phase 1
 - Water and Sewer service for Casino Beach
 - Water service along Watercress
 - A lift station located on the west side of the Jacksboro Highway Bridge
 - Sanitary sewer force main crossing the lake
- Phase 2
 - 24" Water across the lake to Casino Beach
- Phase 3
 - Sewer Service along Watercress
 - Alterations to Jenkins Heights and Meadow Lake lift stations as required

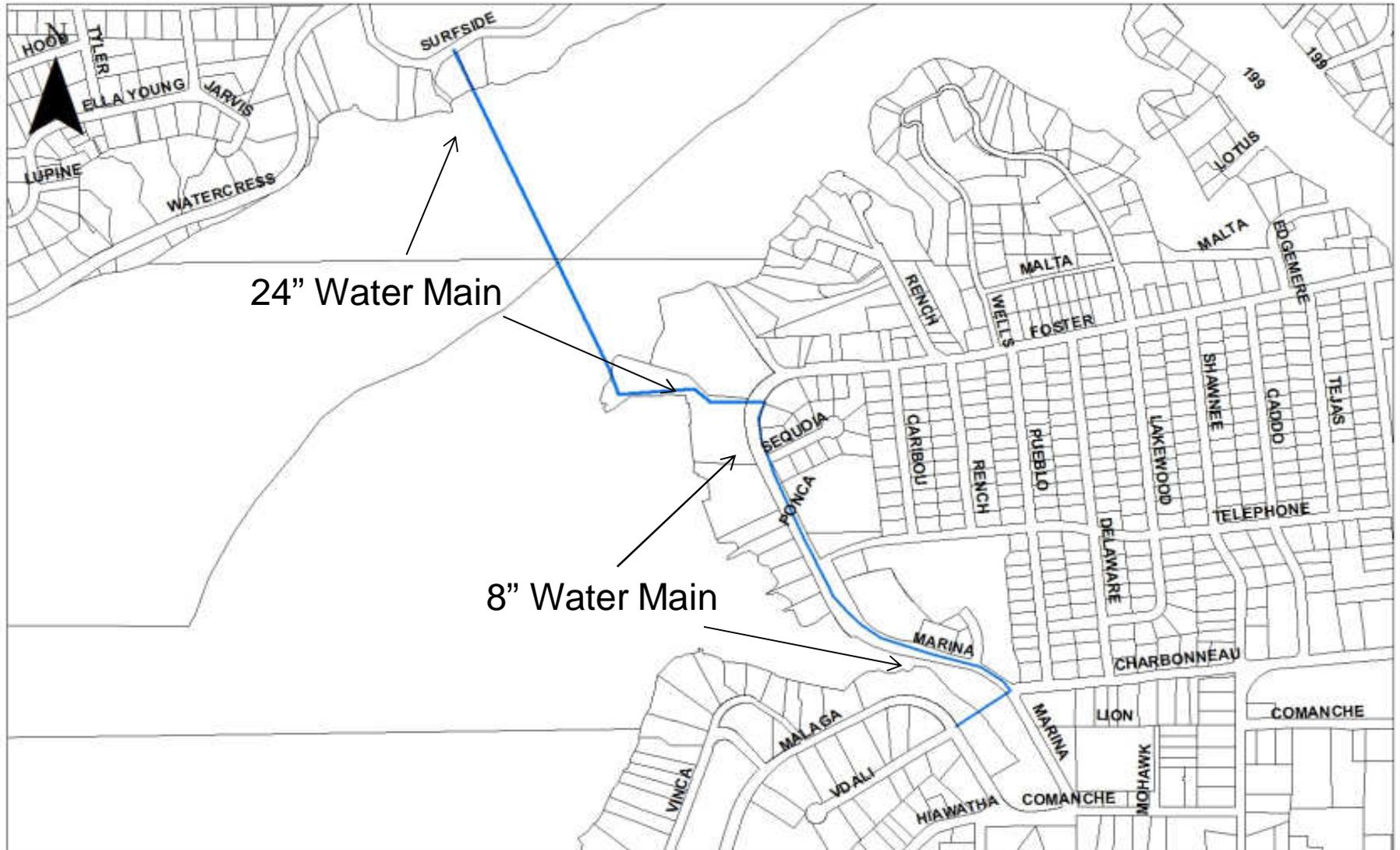


Watercress/Casino Beach Phase 1 Schedule

- Award of Contract Nov. 5, 2013
- North Texas Contracting \$5,188,315.00
- Notice to Proceed Dec. 3, 2013
- Public Meeting Dec. 3, 2013
- Construction Start Dec. 16, 2013
- Complete Construction Aug. 31, 2014



24" Water Main Lake Crossing





Watercress/Casino Beach Phase2

- Award of Design Contract Sept. 23, 2013
- Request for Change Order Nov. 26, 2013
- Award of Change Order Jan. 28, 2014
- Notice to Proceed Feb 11, 2014
- Complete Installation Mar. 31, 2014



LWCIIP Funding

- Projects will be funded with gas lease or lease sale revenues
- Cash financing only.
- Gas market fluctuations make it difficult to accurately project revenues.



LWCIP Future Projects

- Live Oak Cree and Silver Creek Watershed Management Study
Design 2014
- Phase I Trail System
Under design (Phase 1 and 2)
Construction 2015
- Love Circle Water and Sewer
Design 2014
Construction 2015
- Phase II Watercress Water and Sewer
Design 2016
Construction 2017
- Phase II Trail System
Construction 2018

Why implement a watershed management plan?

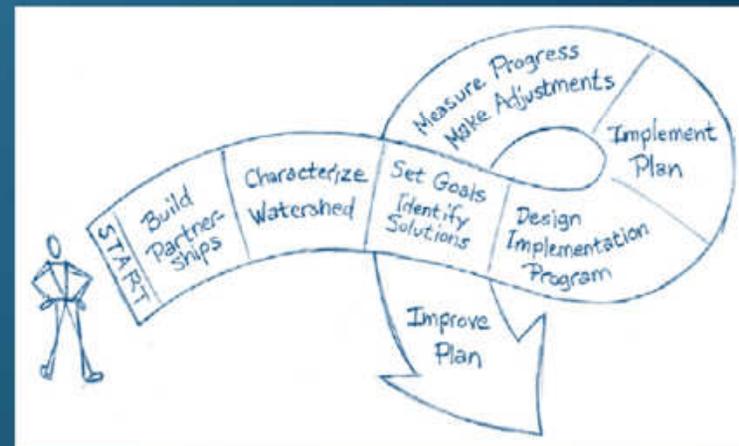
- Water quality targets achieved
- Potential water treatment benefits
 - Improved treatability
 - Fewer taste and odor issues
 - Lower treatment costs
- Potential recreation benefits
 - Improved aesthetic appeal
 - Improved aquatic life/fisheries production



Common features of watershed plans

Typical Planning Steps

- Identify stakeholders and develop partnerships
- Characterize watershed problems
- Define goals
- **Identify solutions**
- **Develop implementation program**
- **Implement plan**
- Measure progress and adjust



Source: *Handbook for Developing Watershed Plans to Restore and Protect our Waters*, USEPA, March 2008



QUESTIONS?