

## ***Maintenance Program Presentation to the SEMSWA Board***

Dick Smith, Maintenance Program Director  
October 28, 2015

## ***Maintenance Program Outcome Statement***

### **Outcome:**

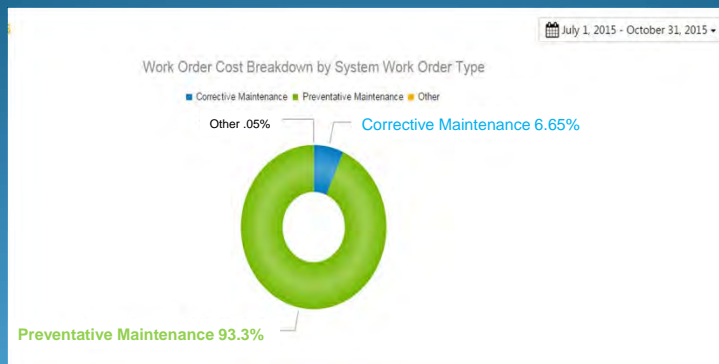
*The Maintenance Program provides effective methods for ensuring the prolonged useful life of the drainage infrastructure.*

SEMSWA ensures the prolonged useful life of infrastructure through:

- Removal and disposal of sediment, debris and trash from stormwater assets
- Repairing and/or rehabilitating substandard or malfunctioning infrastructure
- Conducting a detailed storm system inventory of the drainage system
- Managing a mowing and weed control contract for SEMSWA-owned and managed properties

# Maintenance Program Accomplishments

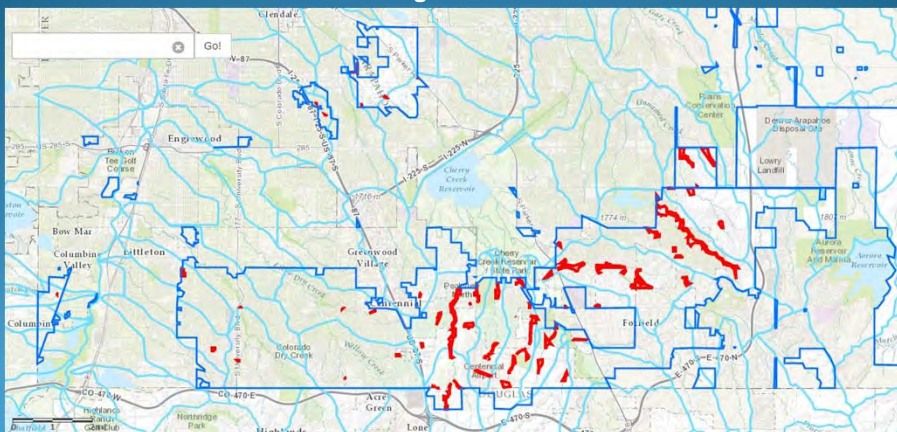
July – Sept 2015



# Maintenance Program Accomplishments

July – Sept 2015

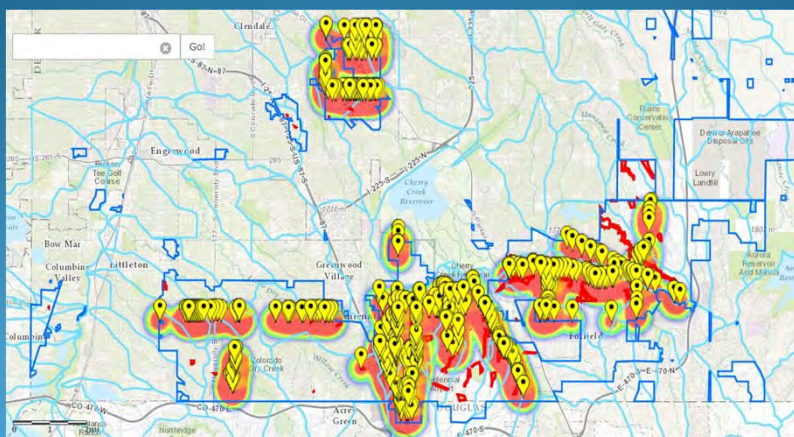
Routine Maintenance Area Inspections  
Generating 41 Work Orders



## Maintenance Program Accomplishments

July – Sept 2015

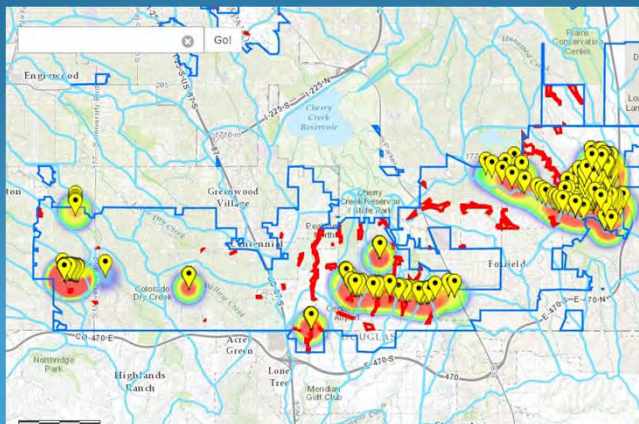
635 Routine Maintenance Locations



## Maintenance Program Accomplishments

July – Sept 2015

CCTV Locations



## Maintenance Program Accomplishments

## July – Sept 2015

## Meeting Corps of Engineers Permitting Requirements

- Corps Jurisdictional Areas:
  - Channels in intermittent and perennial streams
  - Culverts in streams
  - Stormwater Management Facilities (Detention and WQ Basins)
- Maintenance Operations Typically Require Permitting
  - Nationwide Permits Are Used
    - Some do not require notification to the Corps (43)
    - Others require notification and approval from the Corps (3b sediment removal)
- SEMSWA Environmental Resources Division Developed Standard Operating Procedures (SOPs) for our usual permitting conditions

## Maintenance Program Accomplishments

## July – Sept 2015

## Meeting Corps of Engineers Permitting Requirements (cont'd)

## Authorized Work under Corps 404 NWP 43

Standard Operating Procedure for Water Quality Protection

### Stormwater Management Facility Maintenance

Standard Operating Procedure (SOP) to authorize work under 404 (a)(1) (a)(2) (a)(3) (a)(4) (a)(5) (a)(6) (a)(7) (a)(8) (a)(9) (a)(10) (a)(11) (a)(12) (a)(13) (a)(14) (a)(15) (a)(16) (a)(17) (a)(18) (a)(19) (a)(20) (a)(21) (a)(22) (a)(23) (a)(24) (a)(25) (a)(26) (a)(27) (a)(28) (a)(29) (a)(30) (a)(31) (a)(32) (a)(33) (a)(34) (a)(35) (a)(36) (a)(37) (a)(38) (a)(39) (a)(40) (a)(41) (a)(42) (a)(43) (a)(44) (a)(45) (a)(46) (a)(47) (a)(48) (a)(49) (a)(50) (a)(51) (a)(52) (a)(53) (a)(54) (a)(55) (a)(56) (a)(57) (a)(58) (a)(59) (a)(60) (a)(61) (a)(62) (a)(63) (a)(64) (a)(65) (a)(66) (a)(67) (a)(68) (a)(69) (a)(70) (a)(71) (a)(72) (a)(73) (a)(74) (a)(75) (a)(76) (a)(77) (a)(78) (a)(79) (a)(80) (a)(81) (a)(82) (a)(83) (a)(84) (a)(85) (a)(86) (a)(87) (a)(88) (a)(89) (a)(90) (a)(91) (a)(92) (a)(93) (a)(94) (a)(95) (a)(96) (a)(97) (a)(98) (a)(99) (a)(100) (a)(101) (a)(102) (a)(103) (a)(104) (a)(105) (a)(106) (a)(107) (a)(108) (a)(109) (a)(110) (a)(111) (a)(112) (a)(113) (a)(114) (a)(115) (a)(116) 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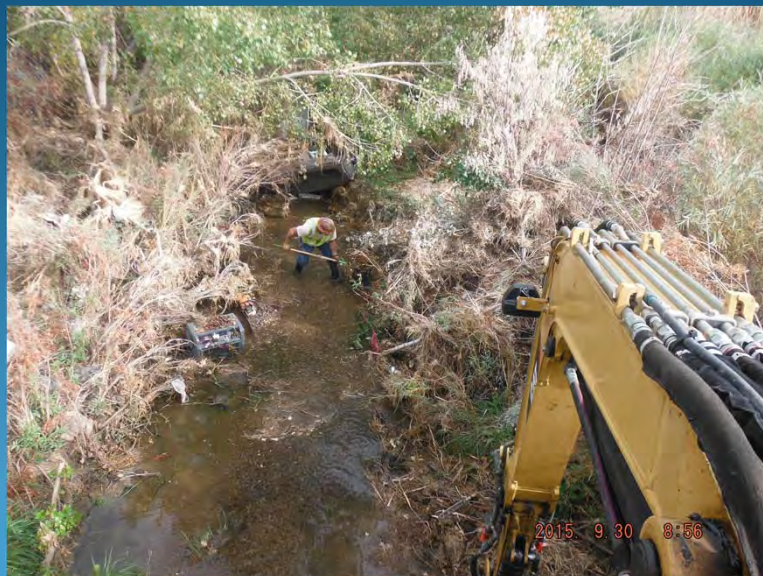
## Lone Tree Creek at Peakview Avenue

Camper Shell

Air Conditioner



## Lone Tree Creek at Peakview Avenue



## Lone Tree Creek at Peakview Avenue



## Concrete Repairs At Yampa Cr

Before



After



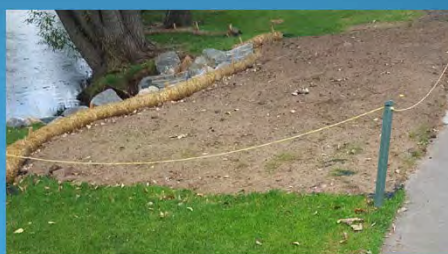


## Storm of August 10, 2015

Before



After



## Sinkholes



## Windmill Creek Channel

Tree Removal – Broncos Pkwy and Potomac

Before



During



After



## Supplemental Services

