

# Prescribe Burning

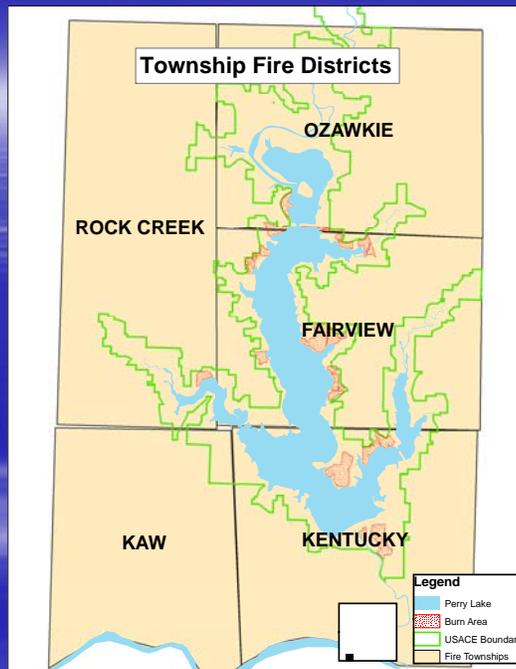
## With Local Fire Departments

Matt Beckman  
Natural Resource Specialist

## Perry Lake's Burning Problems

- Insignificant Staff to burn
- Areas too large for a small burn crew
- Large amounts of fuel deposited

# Solution: Jefferson County Volunteer Fire Departments



## Goals

- Manage Land to enhance native grass stands
- Control the invasion of woody species
- Reduce timber deposited by floods
- Conduct safe and successful prescribed burns
- Provide fire training opportunities

- Meeting with all Townships in February
- Jefferson County Communications will page out upcoming burn location and time to all Townships
- All firefighters sign the USACE Volunteer Agreement

## 2005 Burning

- **Burn #1 on March 5, 2005** Units 41, 42, 46, 30
- **Departments Participation:**
  - 5 Fire Departments
- **Total Acres: 177.5**
- **208 Volunteer Hours**
- **6 Fire Trucks and 2 Water Supply Tankers**

## 2005 Burn Totals

- **Total of All Burns: 375.5 Acres @ \$ 3.00 per Acre = \$ 1126.50**
- **Total Volunteer Hours: 376**
- **376hrs x \$17.55(OMBIL)= \$6599.00**



## 2006 Burn Plans For Perry Lake

### Planning and Evaluations

- Natural Resource Specialists will provided burn plans for each compartment
- Following a burn a post burn evaluation will be conducted by Natural Resource Specialists

## Burn Dates

- All Burns shall be conducted between March 1, 2006 and May 1, 2006

## Compartment Maps

- 5 Total Burns
- 761 Total Acres



# Burn Plan

- **Burn Plan**
- **Lake: Perry** **Risk Assessment Value (optional):**
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- 1. Prepared By: Matt Beckman \_\_\_\_\_ Date: \_\_\_\_\_
- 2. Approved By: Bunnie Watkins \_\_\_\_\_ Date: \_\_\_\_\_
- Ken Wade \_\_\_\_\_ Date: \_\_\_\_\_
- 3. Burn Dates: Earliest: March 1st Latest: \_\_\_\_\_  
May 1st
- 4. Purpose: Reduce successional species and stimulate warm season growth.
- 5. Burn Area Identification: Jefferson County, section 9, T-11, R-18, OMP Compartment 3, 202 Acres
- 6. Burn Area Description: Fields are a mix of Cool season, native grass, shrubs, and brush piles.
- 7. Preparation for Burning and Ignition plan: Conduct back burns around the perimeter for fire breaks where roads do not act as a fire break.
- Obtain and verify burn permit with local fire department
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## Burn Plan

- Locate beginning of burn on map the day of the burn
- Crew size is minimum of four
- Equipment used will include the following
  - Truck mounted 250 gallon Bean sprayer
  - Truck mounted 50 gallon water tank
  - 2 ATV mounted 25 gallon sprayers
  - Back mounted water tanks and hand tools
- 8. Weather: Local weather conditions will be verified with the:
  - National Weather Service
  - Rangeland Fire Index
- 9. Safety Plan: An on-site safety meeting will be held to discuss:
  - Predicted weather patterns
  - Escape route (s)
  - Safety zone (s)
  - Smoke management
  - And other pertinent safety issues

## Burn Plan

- 10. Prescribed Fire Parameters
  - Wind speed (5-15)
  - Wind direction (North or South)
  - Relative humidity (30-50)
  - Air temperature (50-80)
- 11. Mop-Up and Patrol Plan: One crewmember will patrol the south edge for stray fires, second crewmember will monitor the east side, and a third will monitor the west edge.
- 12. Communications Plan: All crewmembers will have handheld radios and be in contact with each other and the Project Office. Radios also have the Jefferson County FireComm and Sheriff channels. Dispatch access is also available via 911.
- 13. Escape Contingency Plan: In the event of an escape, the following actions will occur:
  - Jefferson County FireComm will be contacted and additional volunteer firefighters will be requested. Reasonable attempts will be made to contain fire, but active suppression is not within project staff's scope of duty and training. At no time will staff risk personal safety to prevent spread of the fire.
- 14. Special Comments or Concerns: None

## Burn Day

- Volunteer Agreements



## Burn Day

- Pre-Burn Meeting



## Fire Breaks



## Fire Breaks



## Fire Breaks



## Head Fires



## Head Fire



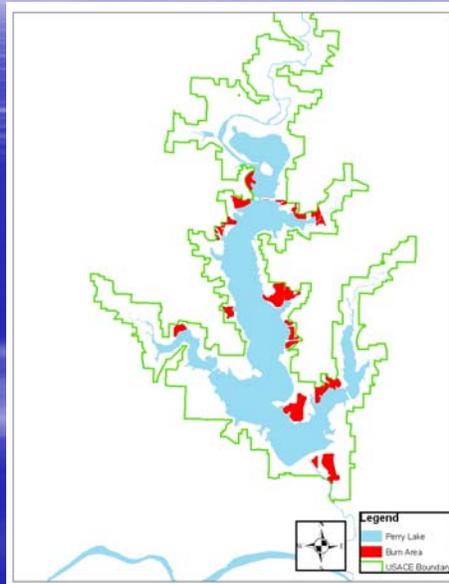
## MOP UP



## 2006 Results

- Total of All Burns: 689.0 Acres @ \$ 3.00 per Acre = \$ 2067.00
- Total Volunteer Hours: 700
- 700hrs x \$17.55(OMBIL)= \$12,285.00

## 2005-2006 Burned Areas



## Things to Know

- Limited to Weekend Burning
- 3 or more Fire Departments are needed to burn
- Communications with all volunteers

August 2006



August 2006



Burned Cedars??



# Fish Habitat



- Questions?