

















Objectives

- Fighting FireLCES
- Standard Firefighting OrdersWatch Out Situations













Fighting Fire Terms

- Spot Fire
 - Fire ignited outside of the main unit through sparks, embers, or rolling material
- Slop-overs
 - Fire escaping a unit through a break
- Escape
 - Accidental fire of substantial size outside of the unit









Fighting Fire

- Escapes happen, decide how to manage them based on:
 - Size of area affected
 - Flame length
 - Rate of spread
 - Personnel and equipment available



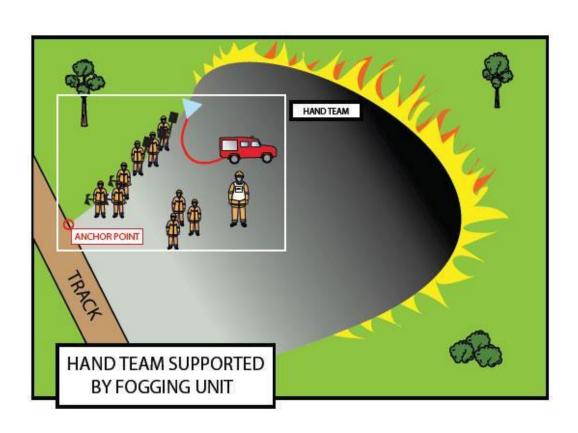






Single Flank-Anchor Attack

- Use when:
 - You are limited on personnel and equipment
 - Fire is spreading quickly
 - Flame lengths are long
- Strategy:
 - Pick the longest flank, flank that might turn into head fire, or the flank that is on the side with most resources to protect
 - Start at rear of fire
 - Fight from the black



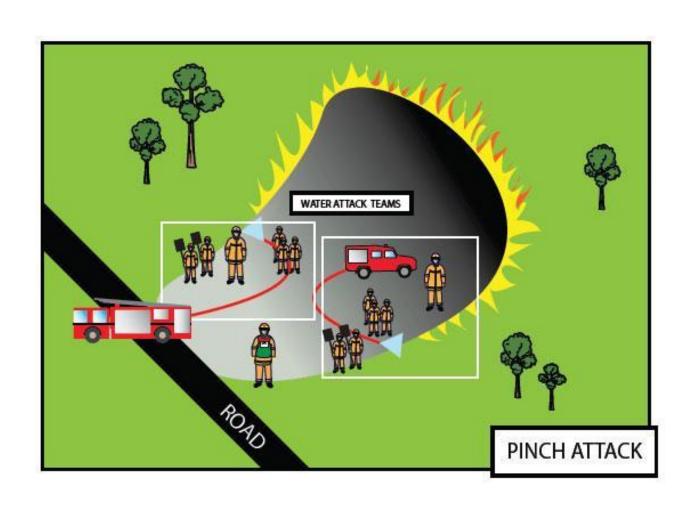






Flank-Pinch-Anchor Attack

- Use when:
 - You have enough personnel and equipment
 - fire is spreading quickly
 - flame lengths are tall
- Strategy:
 - Fight from the black
 - Each team starts at rear of fire and fights flanks until reaching the head of fire



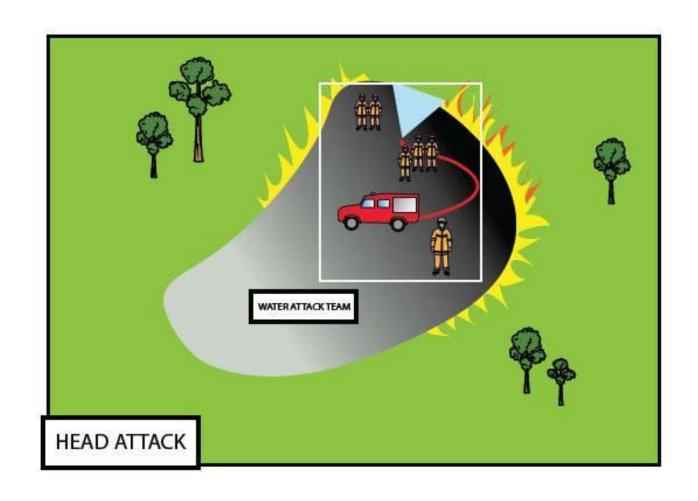






Head Attack

- Use when:
 - Spots are small
 - Flame lengths short
 - Fire is spreading slowly
- Strategy:
 - Attack at head and work back down flanks
 - Fight from black









Spot Fire Tips

- Have dedicated spotters /equipment from the start
- Get it while it is small
- Cease ignitions if safe to do so
- Attack aggressively but stay safe
- Reposition water resources
- Call 911 if you think containment is not likely









LCES

- Lookouts
- Communications
- Escape Routes
- Safety Zones









LCES-Lookout

Lookout crewmembers have the sole responsibility of watching:

- Spotting or escape fires
- Hazards to crew safety

Positioned where escapes are most likely to occur





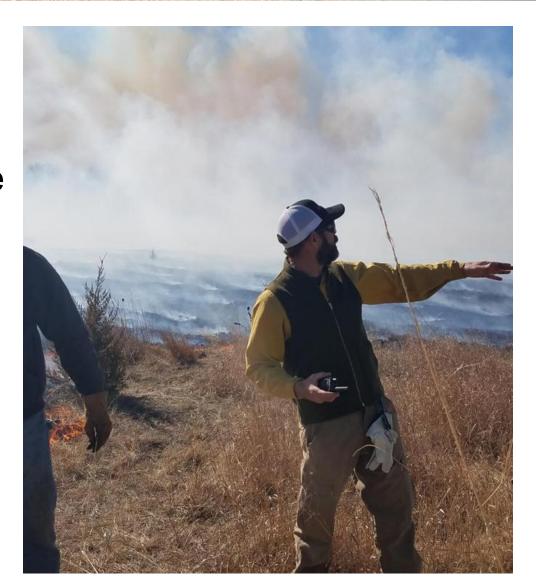




LCES - Communication

Communication is a vital safety element for everyone involved in a prescribed fire

- Everyone should have access to a fully charged radio
- An in-depth briefing should be given before ignition that includes:
 - Safety Hazards
 - Who problems should be reported to
 - Ignition strategies









LCES - Escape Routes

Escape Routes are secure routes of travel that crew members may take to get to safety in an emergency.

- Have escape routes been designated?
- Are escape routes secure?
- Are all crew members aware of escape route locations?









LCES - Safety Zones

Safety Zones are used as a secure last resort area for crew members to retreat from hazardous conditions, they include:

- Roadways
- Wide firebreaks
- Black areas









- Organized in a deliberate and sequential way to systematically apply to all fire situations
- Based on USDA-Forest Service task force review of 16 tragedy fires

STANDARD FIREFIGHTING ORDERS

- Keep informed on fire weather conditions and forecasts.
- Know what your fire is doing at all times.
- 3. Base all actions on current and expected behavior of the fire.
- 4. Identify escape routes and safety zones, and make them known.
- Post lookouts when there is possible danger.
- Be alert. Keep calm. Think clearly. Act decisively.
- Maintain prompt communications with your forces, your supervisor and adjoining forces.
- 8. Give clear instructions and insure they are understood.
- 9. Maintain control of your forces at all times.
- 10. Fight fire aggressively, having provided for safety first.







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- 2. Know what your fire is doing **at all times**
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- 5. Post lookouts when there is possible danger
- 6. Be Alert, Keep Calm, Think Clearly, Act Decisively
- 7. Maintain prompt communications with your crew and supervisors.









- 8. Give clear instructions and be sure they are understood
- 9. Maintain control of your forces at all times
- 10. Fight fire aggressively having provided for safety first









Watch Out Situations

- More specific and cautionary than the standard firefighting orders
- When these are encountered on a burn, the situation must be watched or changed to prevent injuries or escape









Watch Out Situations

- Safety zones and escape routes not identified
- Crew is uninformed on strategy, tactics, and hazards
- Instructions and assignments are not clear
- No communication link with crewmembers or supervisors









Watch Out Situations

- Unburned fuel between you and the fire
- Weather becoming hotter and drier
- Wind increases and/or changes direction
- Getting frequent spot fires across the line









Fire Safety Summary

- Safety is the first concern in any prescribed fire scenario
- Safety plays a role in all stages of prescribed fire: design, preparation, execution, mop-up, and evaluation
- Perpetual awareness and effective communication are key in maintaining safe prescribed fire operations

















