**Important Numbers**

**From 2019**

**Collected From Incident Reports**

**Wildland Fire Lessons Learned Center**

### Fatalities
- 2 Medical Emergencies responding to fires
- 1 Medical Emergency during PT
- 1 Medical Emergency at the station
- 1 Entrapment during IA Engine Ops
- 1 Hit by log on a vegetation management project
- 1 On prescribed fire during ATV firing Ops
- 1 Water Tender rollover responding to a fire
- 1 Helicopter crash during prescribed fire ops

### Accidents and Injuries:

#### Burn Injuries
- 10 Stepping or falling into an ash pit
- 4 During pile burning
- 1 While driving a UTV past active fire
- 1 While cooking a meal in spike camp

#### Hit by Tree Incidents
- 6 Struck by fire-weakened trees
- 2 During limbing/bucking
- 2 During felling operations
- 3 Tree/log dislodged above them
- 1 Branch broke during rope/pulley ops

#### During Physical Training (PT)
- 1 Training hike (fatal)
- 3 Resulting in Rhabdomyolysis
- 2 During pack test
- 1 Severe dehydration

#### Vehicle Accidents
- 5 Rollovers
- 3 Collisions
- 2 Backing
- 2 Sliding off road
- 2 Loose Lugnuts
- 1 Tree through window
Engine 641 personnel had also undergone a locally developed 'Stop the Bleed' training in the spring of 2019 and had been extensively trained in tourniquet use and placement, as well as Israeli Bandage use and placement.

All crewmembers discussed the importance of always having life-saving trauma bandages and equipment on their person. It's one thing to have gear on the truck, but it's another thing to have the gear on your pack right there at the work site.

If frequent equipment issues (such as overheating) are experienced during suppression operations, they should be addressed appropriately. Cooling the engine temperature by continually stopping and starting operations is not adequate.

Lessons and Quotes

"Tom was moving carefully through the ash, spraying water. He paused for 15-20 seconds scanning the area for heat when his right leg sunk to his knee through the crust.

"Engine 641 personnel had also undergone a locally developed 'Stop the Bleed' training in the spring of 2019 and had been extensively trained in tourniquet use and placement, as well as Israeli Bandage use and placement.

"All crewmembers discussed the importance of always having life-saving trauma bandages and equipment on their person. It's one thing to have gear on the truck, but it's another thing to have the gear on your pack right there at the work site.

"If frequent equipment issues (such as overheating) are experienced during suppression operations, they should be addressed appropriately. Cooling the engine temperature by continually stopping and starting operations is not adequate.

"Having a very bright flashlight allowed the Squad Boss to see the potential extraction routes without having to walk each one out. This expedited the selection of the eventual route and allowed the sawyers to start clearing it as soon as possible.

East Evans Creek Tree Strike LLR