





# On-field drop footprint mapping using S-61N helicopters

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Date: March 2021

Material Type: Research report

Physical Description: 38 p.

Sector: Forest Operations

Field: Fibre Supply

Research Area: Wildfire Operations

Subject: Wildfires  
Helicopters  
Forestry  
Forest fire  
FPI TR  
Gel

Series Number: Technical Reports ; TR 2021 N 18

Language: English

Abstract: Alberta Agriculture and Forestry's (AAF) Wildfire Management Branch has recently contracted two Sikorsky S-61N heavy helicopters. Both helicopters are equipped with an external tank (max. volume 1000 U.S. gallons) and have on-board injection systems that are capable of mixing class A foams and water-enhancers. Currently, there is limited data on comparative drop footprints of foam and water-enhancers (suppressants) for these heavy helicopters. To fill this knowledge gap, AAF has asked FPInnovations to conduct drop tests in different wildland fuel environments. This study focuses on mapping the drop footprints of water, foam, and water-enhancers in an open field at specific flight parameters.

## Documents

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TR2021N18.pdf

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