



# 2021 Wildfire Season Summary

BC Community Forest Association AGM – October 21, 2021



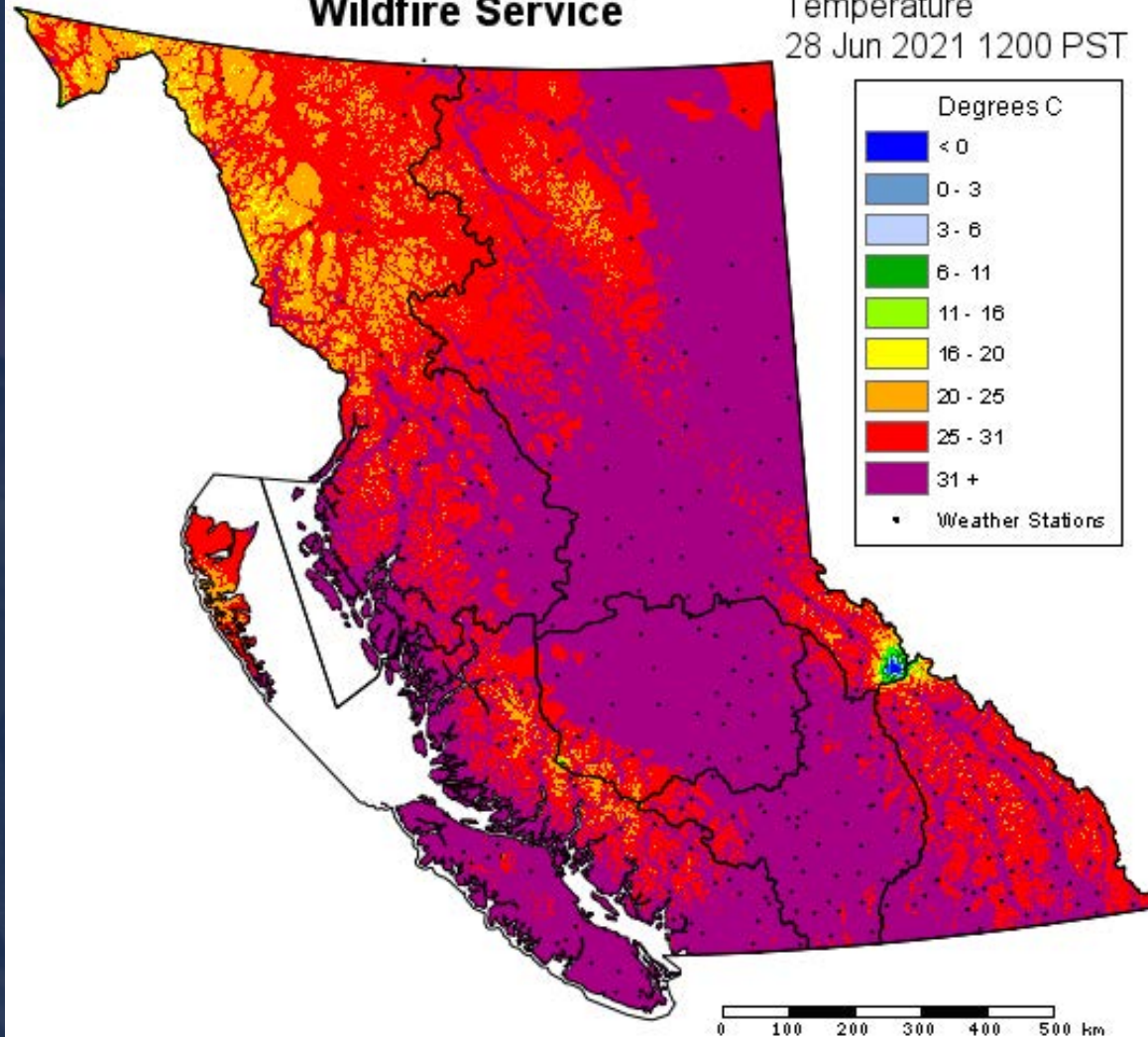
BC Wildfire  
Service

# British Columbia Wildfire Service

## DAILY

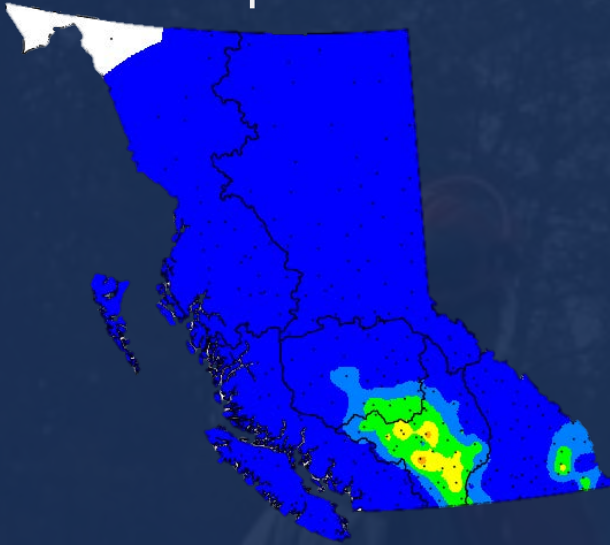
Temperature

28 Jun 2021 1200 PST

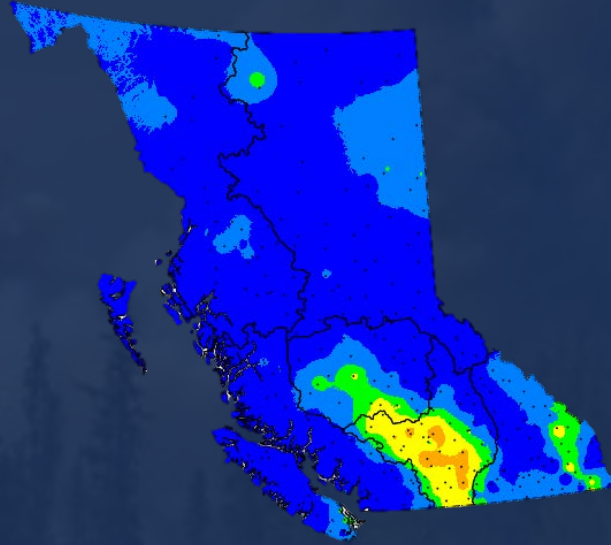


# Drought Code

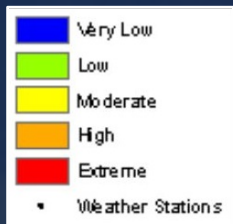
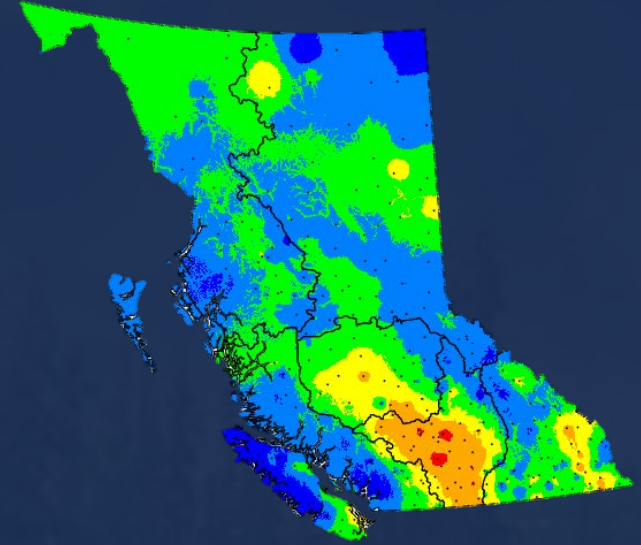
April 30



May 30



June 30



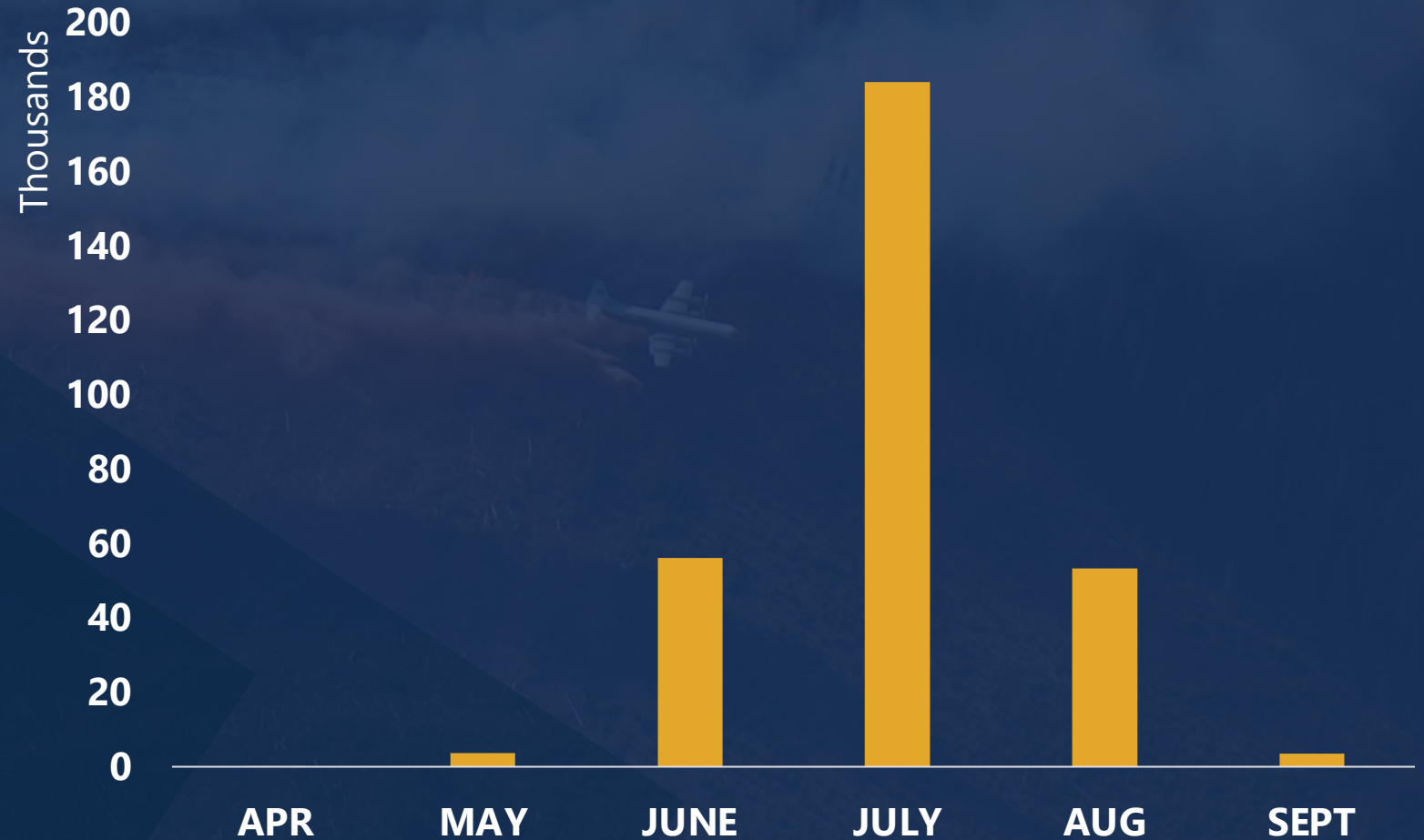
Drought trend with **below-average winter and spring precipitation** in southern BC

# Lightning Statistics

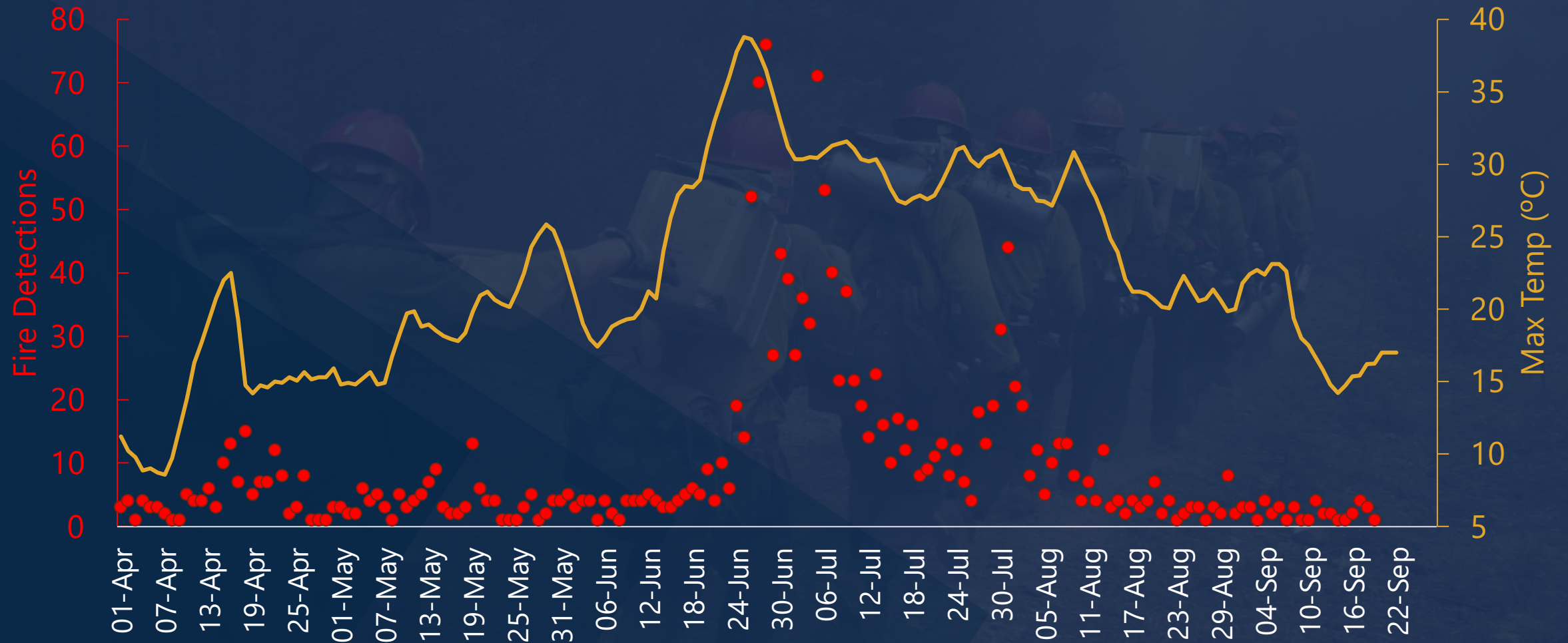
Approximately **60%** of wildfires determined to be natural-caused

Between April 1 and Sept. 20, **300,703** lightning strikes recorded in BC

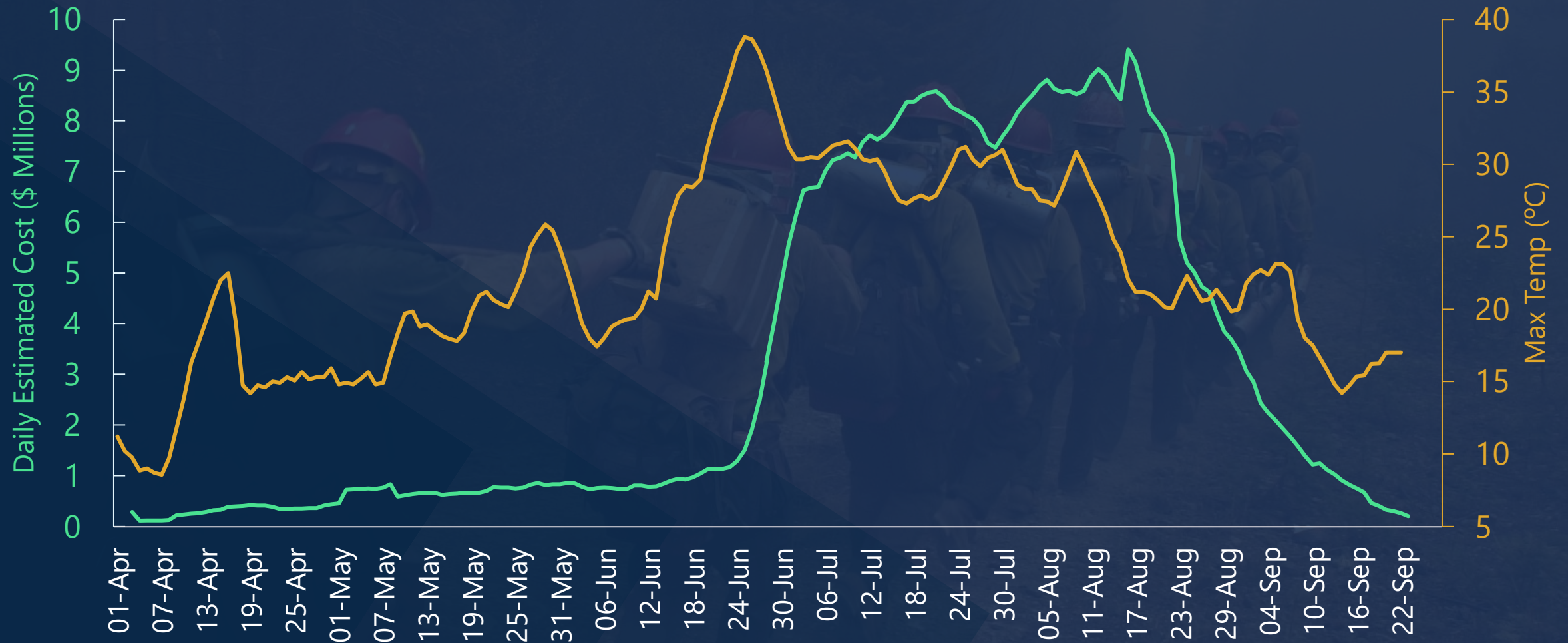
**Significantly less rain** with lightning this year



## Maximum Daily Temperature in Kamloops (7 Day Rolling Average) and Daily Fire Detections (Provincial)



## Maximum Daily Temperature in Kamloops (7 Day Rolling Average) and Estimated Daily Fire Suppression Cost (Provincial)



# 1,610

Wildfires

# 868,203

Hectares burned

*From April 1 to Sept. 30, 2021*

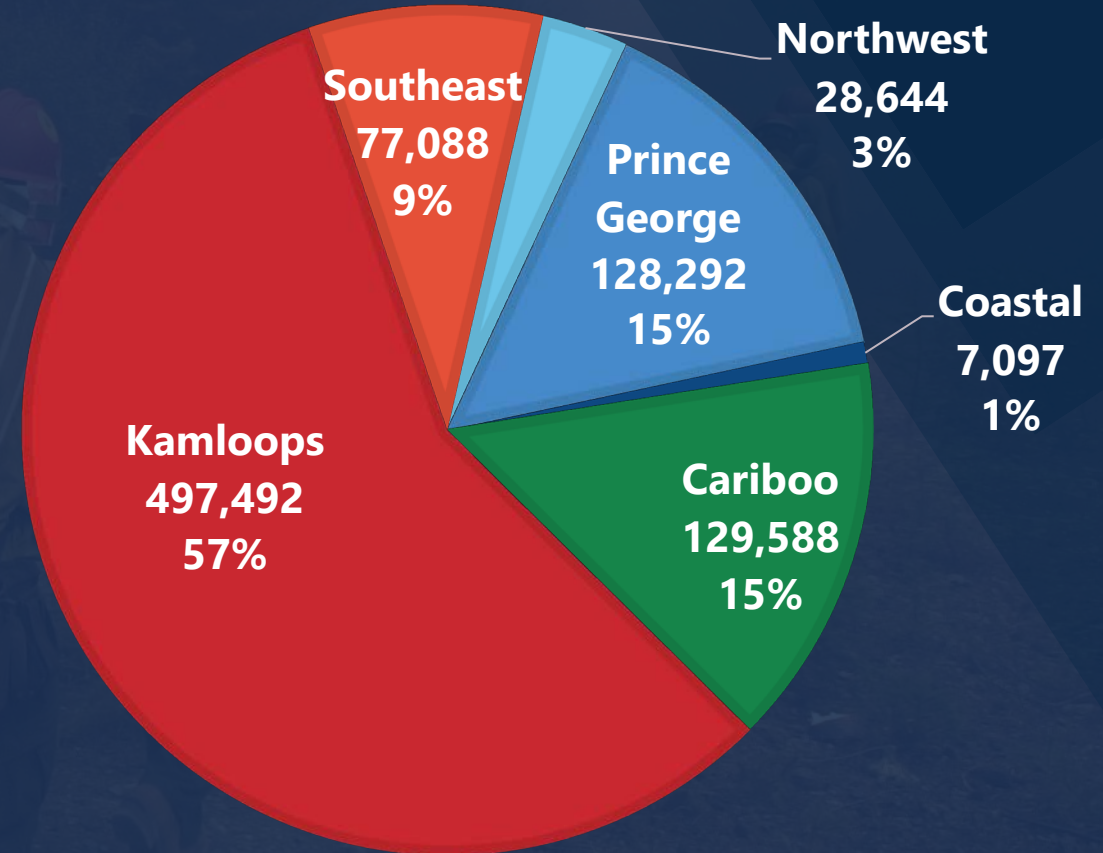
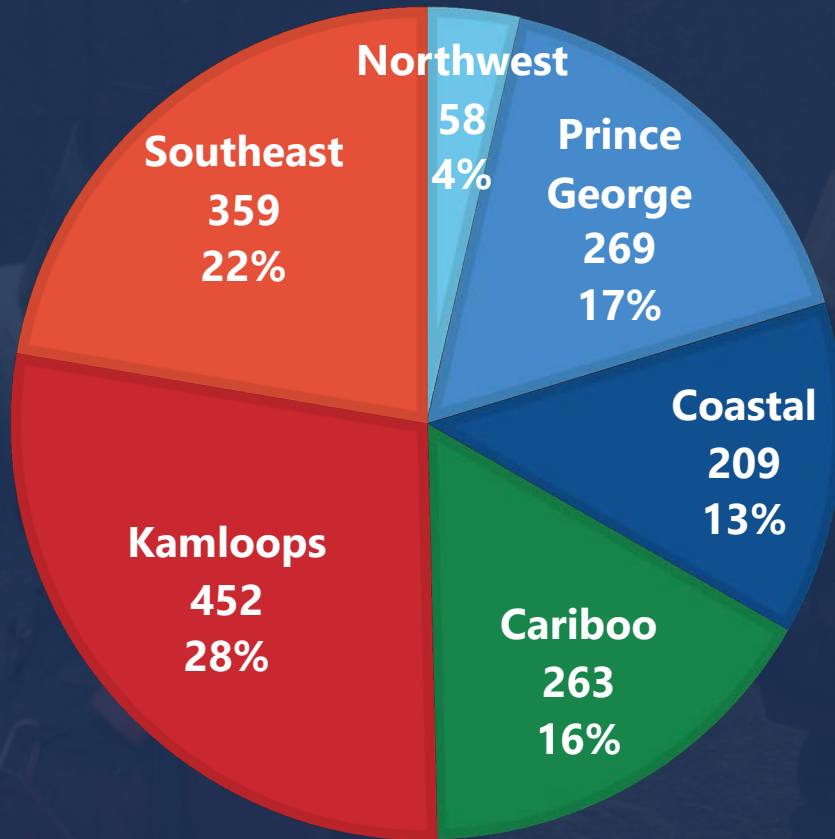


BC Wildfire  
Service

2021 Season Summary – BCCFA AGM

# Total Wildfires and Hectares Burned

## by Fire Centre



From April 1 to Sept. 30, 2021

# Wildfires of Note

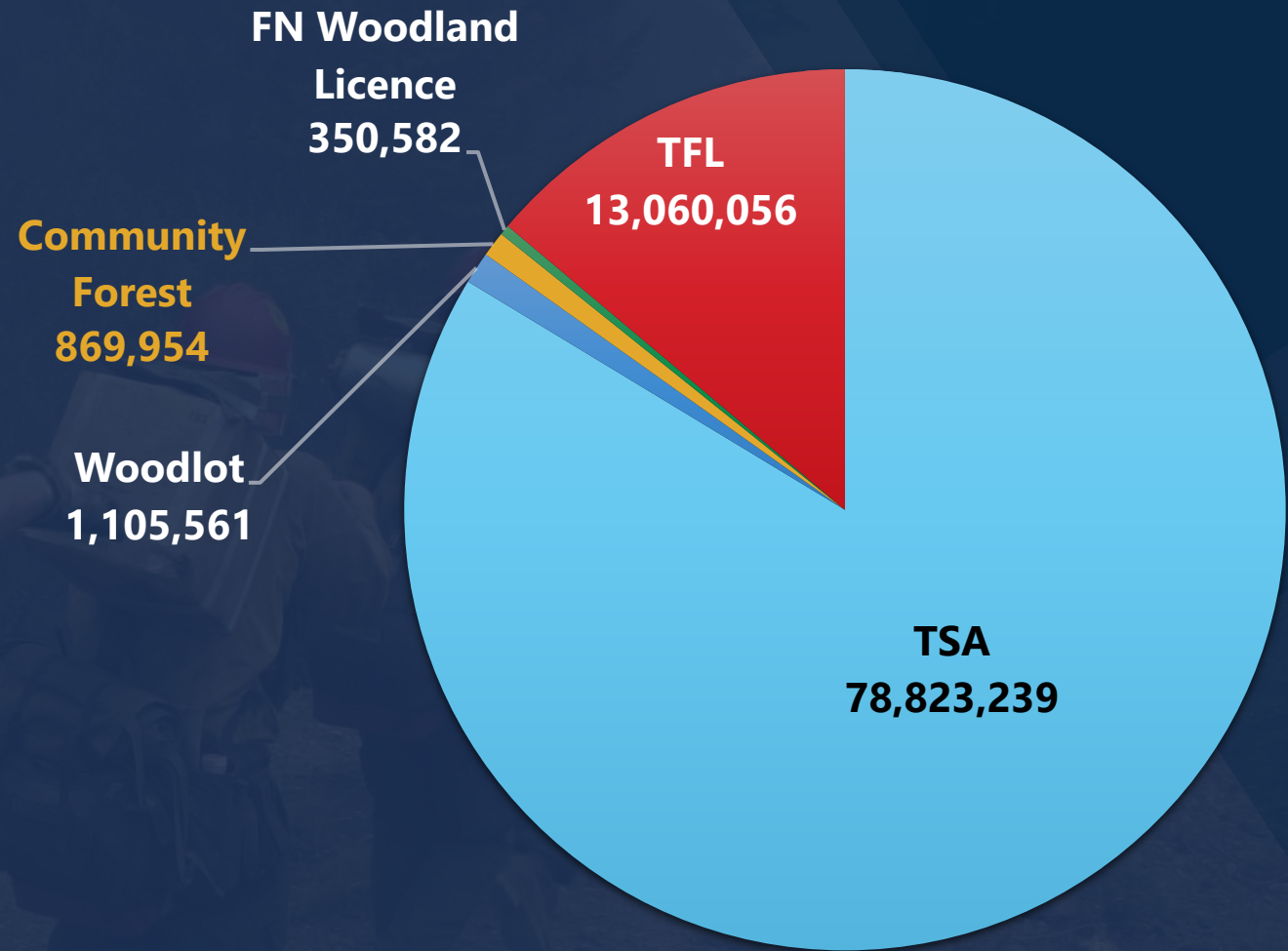
larger than 19,000 hectares in size

Fire name	Fire number	Hectares burned	Cause
Sparks Lake	K21001	95,980	Human
Lytton Creek	K71086	83,671	Undetermined
White Rock Lake	K61884	83,342	Undetermined
Flat Lake	C41602	73,862	Natural
Tremont Creek	K21849	63,548	Undetermined
McKay Creek	K71030	44,964	Human
Cutoff Creek	G41269	33,418	Natural
Octopus Creek	N51800	22,049	Natural
Chief Louis Lake	R11562	20,750	Natural
July Mountain	K61882	19,661	Natural
Nk'Mip Creek	K52061	19,335	Human



# Live FMLB volume within fire perimeters

By Tenure Type (m<sup>3</sup>)\*



\* Preliminary analysis – September 2021  
These figures are not actual timber losses



First Nations liaisons and knowledge-keepers identified values on the landscape, culturally sensitive sites, and archaeological resources and provided a **crucial link to communities**

**Simpcw First Nation's** Indigenous initial attack crew was formally integrated into wildfire operations within Simpcw territory – a model that will be expanded



# Out-of-Province Support

**917 out-of-province personnel** from Parks Canada, Alberta, Ontario, Quebec, New Brunswick, Newfoundland, Nova Scotia, Northwest Territories, Yukon, Australia and Mexico

**625 Canadian Armed Forces and Canadian Coast Guard personnel** cycled through over the summer





**652** forest industry personnel and over **1,400** contract personnel supported fire suppression, structure protection, tree falling, first aid, catering and security



# Number of Wildfires

## 10-Year Comparison



*\*From April 1 to Sept. 30, 2021*

# How does 2021 compare to 2017 and 2018?

	2017	2018	2021
<b>Total wildfires</b>	1,290	2,066	1,610
<b>Hectares burned</b>	1,212,503	1,348,906	868,203
<b>Wildfires of Note</b>	70	111	67
<b>Evacuation orders</b>	120	66	181
<b>Evacuation alerts</b>	166	124	304
<b>Resources</b>	~ 4,700	~ 4,750	~ 4,000
<b>Suppression costs*</b>	~ \$649.6 million	~ \$615 million	~ \$565 million
<b>Total days on provincial state of emergency</b>	71 (July 7 to Sept. 15)	24 (Aug. 15 to Sept. 7)	56 (July 21 to Sept. 14)



# 2021 Lessons

(a preliminary list)

**People:** Safety and wellness is always the priority

**Preparedness:** Anticipate the unprecedented

**Planning:** Prevention, preparedness, response, recovery

**Public communication:** Diversifying and strengthening

**Partnerships:** Partnerships, partnerships, partnerships

# Our Direction

*Declaration on the Rights of  
Indigenous Peoples Act*



MODERNIZING BC'S  
**EMERGENCY MANAGEMENT  
LEGISLATION**



A Report for Government  
and British Columbians

**Addressing  
the New Normal:  
21st Century  
Disaster Management  
in British Columbia**

*Report and findings of the BC Flood and Wildfire  
Review: an independent review examining the  
2017 flood and wildfire seasons*

Modernizing  
**Forest Policy**  
in British Columbia

*Setting The Intention and Leading  
the Forest Sector Transition*



**Climate Preparedness  
and Adaptation Strategy**

**Draft Strategy and Phase 1 Actions  
for 2021-2022**



**cleanBC**  
our nature. our power. our future.



**BC Wildfire  
Service**

# Our Intent

Invest in our people

Invest in partnerships

Build a learning culture

A fully four-pillar organization

An all-hazards approach

Manage for resilience

