



ACT Rural Fire Service Tuggeranong Community Council

Presentation - 7 November 2023



ACT EMERGENCY SERVICES AGENCY

We work together to care and protect through cohesive operations, collaborative management and a unified executive





ACT Rural Fire Service

Acknowledgement to Country

I acknowledge and give my respect to the Ngunnawal people, as the traditional owners and custodians of the land we live, serve, and thrive on.

I give my respect to Elders passed who we learn from, the Elders present who share stories and Elder's future who will continue culture.

I express my appreciation for the traditional teachings of fire and the positive impact it can make to support land and Country to thrive.

I acknowledge all Aboriginal and Torres Strait Islander people here today and who are viewing remotely on other countries.



Who is the ACT Rural Fire Service?



Responsible for fires in the rural areas of the ACT

Assist other emergency services locally, interstate and international

520 Volunteer members 15 Full time Staff

8 Volunteers Brigades and Parks Brigade

4 Key sections – Operations, Membership and Training, Community Protection, Community Engagement





15 x Medium Tankers



13 x Light Units



3 x Bulk Water



6 x CAFS Tankers



19 x Heavy Tankers



18 x Command



ACT Rural Fire Service

Specialised equipment - Aviation



- Three Contracted Helicopters
 - FB100 (Light Helicopter)
 - Helitak 101 & 102 (Medium Helicopters)
- Access to National Resource Sharing Centre
 - Large Air Tankers (LATS)
 - Single Engine Air Tankers (SEATS)
 - Additional Helicopters



ACT Rural Fire Service

Specialised equipment – Large Air Tanker Base



- Located Opposite ESA HQ in Fairbairn
- Can mix up to 200,000 litres of Retardant
- Provides firefighting agents to Air Tankers such as:



- Boeing 737
- RJ85
- Single Engine Air Tankers

Assist Other Agencies



ACTRFS provide incident support to other Emergency Service Agencies and Government Departments.

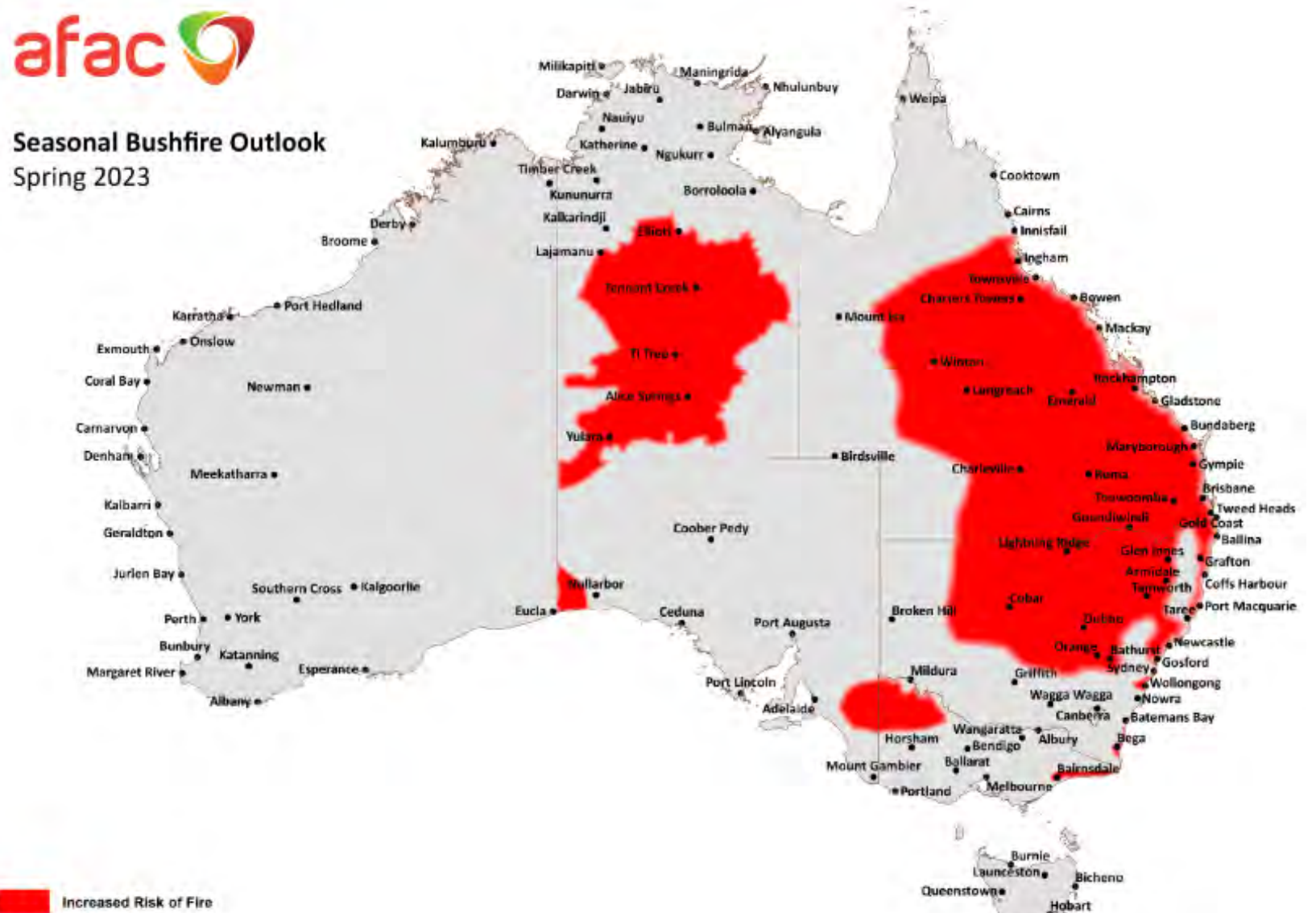
Examples:

- SES - Storm and Flood
- ACTF&R - bulk water delivery
- PCS – Prescribe burning
- AFP – missing person search

2023-2024 Weather Outlook Seasonal Bushfire Outlook – Spring 2023

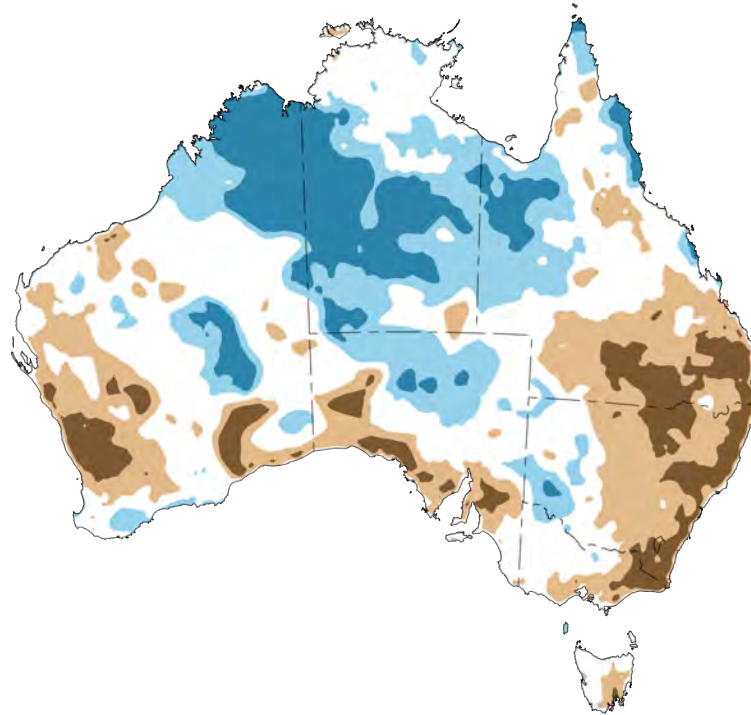


Seasonal Bushfire Outlook Spring 2023

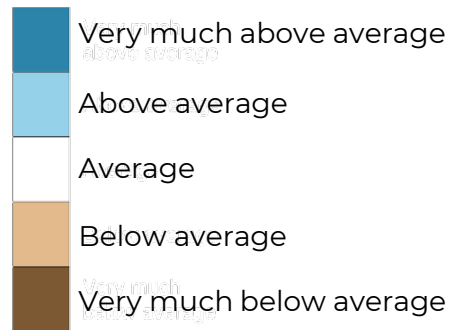
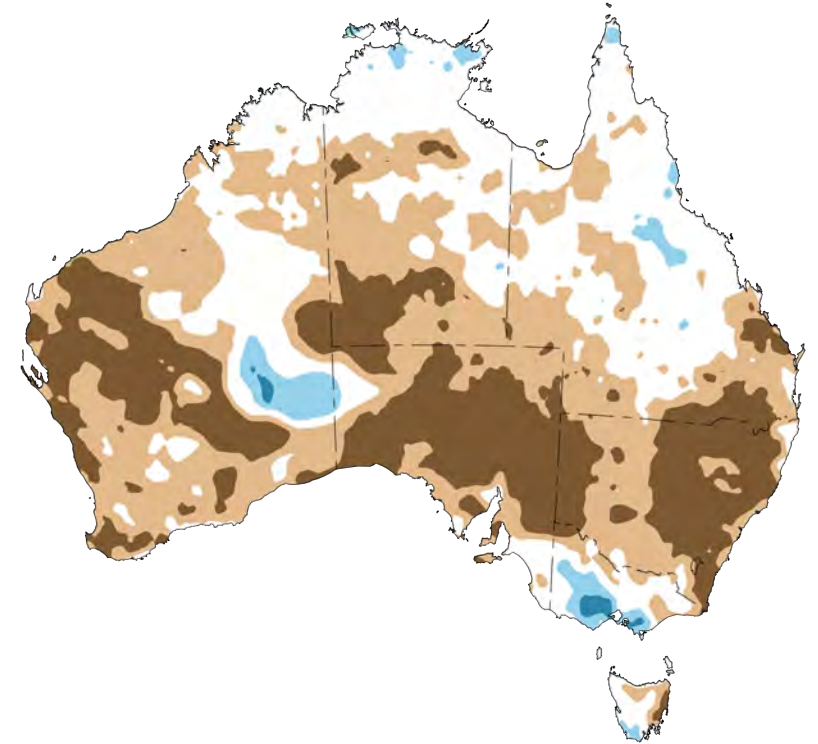


2023-2024 Weather Outlook Soil Moisture Comparison

August 2023

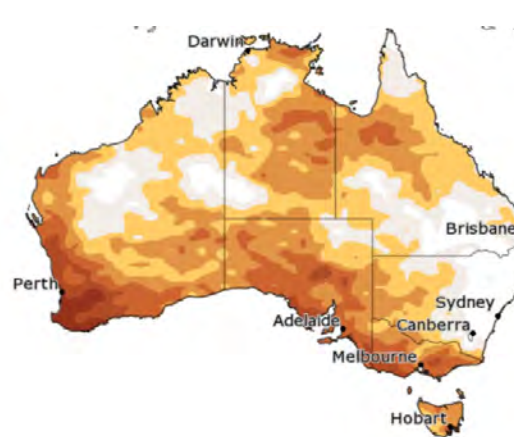


August 2019



2023-2024 Weather Outlook November – January

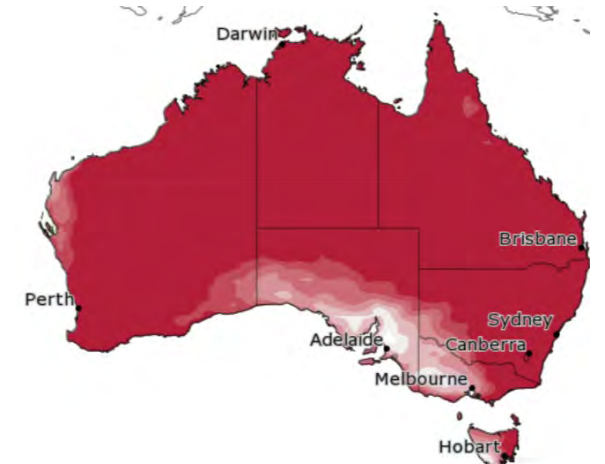
Rainfall



Min Temps



Max Temps

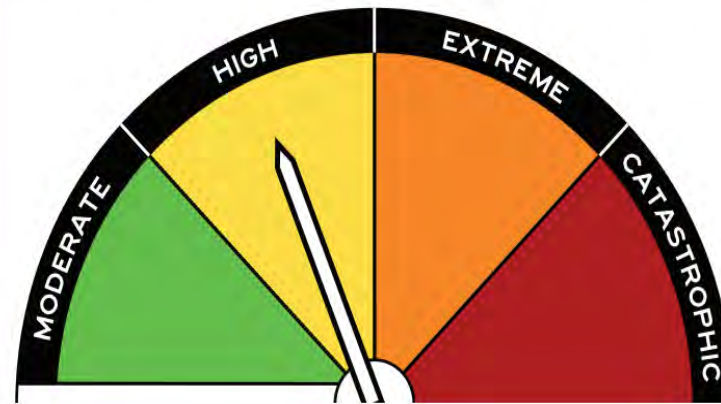


- El Nino and positive IOD means below average rainfall and above average minimum and maximum temperatures throughout spring and summer.
- While conditions are starting to dry out, the landscape is still much wetter than the 19/20 season due to a couple of years of above average rainfall and below average temperatures.
- Forest fuels are still retaining moisture from the last three years of La Nina.
- Grass fuels are likely to start drying out later in spring as the weather warms and rainfall drops. This is typical of this time of year.

Be Emergency Ready

Australian Fire Danger Rating levels (AFDRS) changed in November 2022 and are now common Australia wide to ensure consistency amongst the community

The Australian Fire Danger Rating levels are:



MODERATE

Plan and prepare

HIGH

Be ready to act

EXTREME

Take action now to
protect life and property

CATASTROPHIC

For your survival, leave
bushfire risk areas



On days of elevated fire danger, increased fire activity or when forecast weather conditions are likely to increase the spread of fire, ESA may declare a TOTAL FIRE BAN (TOBAN) for all or parts of the act.

- No lighting, maintaining or use of fire in open air
- No high-risk activity such as welding, grinding, soldering, gas cutting or use of slashers and harvesting machinery that may cause a fire to ignite.

Be Emergency Ready



Know where to get the right information and understand the information available.

Know what the warnings mean



Advice

A fire has started. There is no immediate danger. Stay up to date in case the situation changes.



Watch And Act

There is a heightened level of threat. Conditions are changing and you need to start taking action now to protect you and your family.



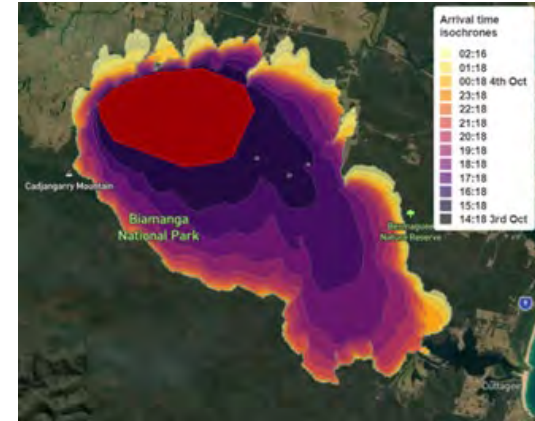
Emergency Warning

An Emergency Warning is the highest level of Bush Fire Alert. You may be in danger and need to take action immediately. Any delay now puts your life at risk.

Do not wait for warning messages to tell you when you should stay or leave your property. Keep an eye on the information and be ready to make the decision for yourself and your family as per your survival plan.



ACT RFS





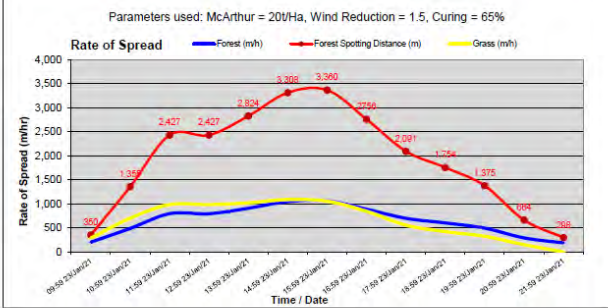
SNAP Reports

ACT Government Predictive Services Unit SNAP REPORT
 Version: 2.02
 For Location: **CANBERRA AIRPORT**

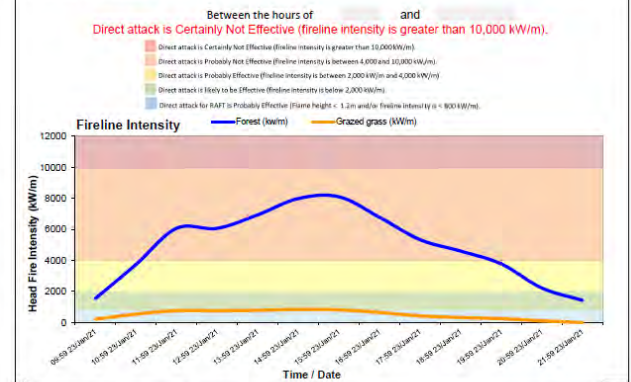
Forecast from:	23/01/2021 9:59	Report prepared by:	Katherine Jenkins
Forecast to:	23/01/2021 21:59	This SNAP Report is designed to provide rapid essential information to crews prior to a more comprehensive prediction being provided once fire location and situation is more fully described.	
Fire Danger Rating:	Very High	FFDI:	30
GFDI:	2	Information in this report is valid until:	23/01/2021 21:59

- KEY POINTS**
1. Significant weather e.g. wind change
 2. Forecast flame heights/fireline intensity
 3. RH, DP, FMC predicted time to reach minimums
 4. Any other significant factors to consider e.g. thunderstorms, existing fires

The graph below shows the predicted Forward Rate of Spread (ROS) for fires burning for an extended period in forest over level to undulating terrain (blue line), with potential spotting distances (red) based on the McArthur M&S fire behaviour meter. It also shows the predicted ROS for grasslands based on the CSIRO Grassland Fire Spread Meter. Grassland ROS estimates are based on grass fuels of up to 2t/ha (eaten out) and may be higher in areas of increased fuel load.



The graph below shows predicted fireline intensities for forests (blue) and grasslands (yellow) (eaten out 2t/ha). Fire line intensities greater than about 4,000 kW/m are considered to be beyond the threshold where direct attack with both ground and air resources are likely to be successful. That is, fires burning at intensities lower than the orange line in the graph are where direct attack is most likely to be successful.



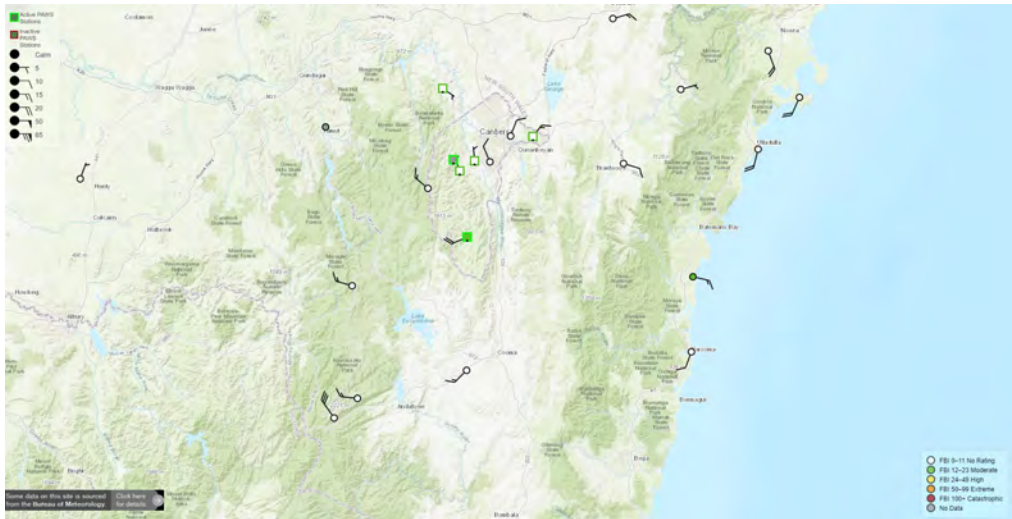
Gridded Weather Forecast
23/01/2021
Canberra Airport

Date	Time	Temp C*	RH %	Dir	Wind speed km/h	* FDI	* FMC	Flame height (m)
23/Jan/2021	9:59 AM	26	40	NW	9	7	13	5
23/Jan/2021	10:59 AM	29	28	WNW	17	14	9	9
23/Jan/2021	11:59 AM	32	21	WNW	20	21	8	13
23/Jan/2021	12:59 PM	32	21	WNW	20	21	8	13
23/Jan/2021	1:59 PM	34	18	WNW	19	24	6	16
23/Jan/2021	2:59 PM	36	15	WNW	19	28	4	16
23/Jan/2021	3:59 PM	37	14	W	17	30	4	17
23/Jan/2021	4:59 PM	37	14	W	14	27	4	14
23/Jan/2021	5:59 PM	36	16	WSW	10	23	4	12
23/Jan/2021	6:59 PM	35	17	WSW	8	21	4	11
23/Jan/2021	7:59 PM	34	20	SW	7	17	4	9
23/Jan/2021	8:59 PM	31	30	S	5	11	4	7
23/Jan/2021	9:59 PM	28	37	SE	4	7	4	5

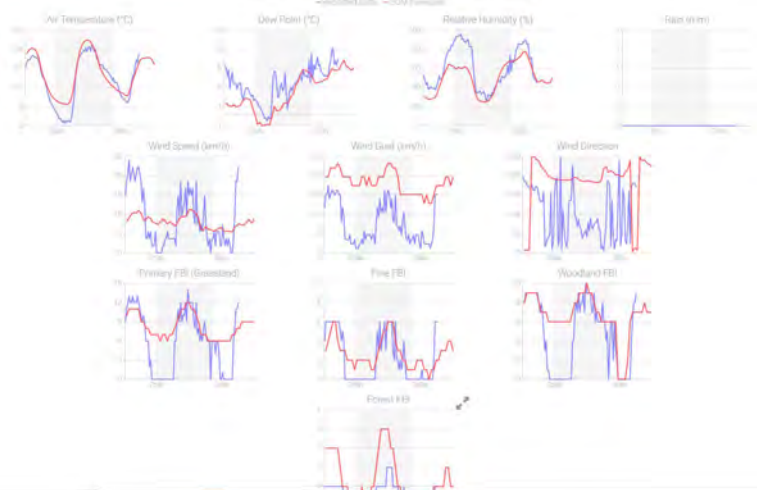
* FMC Surface fine fuel moisture content with 2hr lag factored in
 * FDI Fire Danger Index

Disclaimer: This Fire Behaviour Prediction (SNAP Report) is provided solely for information purposes and is not to be construed, under any circumstances, by implication or otherwise, as anything other than the opinions of the ACT Government Predictive Services Unit in relation to anticipated wild fire events. The information contained in this Report is provided on the basis that readers will be responsible for making their own assessment of the information contained herein.

ACT PAWS Website



11:16 - 24 Sep 17:16 - 26 Sep



Observation Time 11:10 26/09/2023	Station Name Tuggeranong	Loop Options	Current Time 11:24
Temperature 19.9°C			Wind Speed @ 10m 15km/h
Relative Humidity 43%	Rainfall to 9am None Recorded		Wind Direction @ 10m 337° NNW
FBI - Primary Fuel Type (Woodland)		Grassland FBI	Pine FBI
7		10	5
Woodland FBI		Forest FBI	
7		11	
FFDI	GFDI	Grassland ROS	Pine ROS
6	4	963	378
Woodland ROS	Forest ROS		
418	138		
KBDI	Dew Point Temp.	Grassland FMC	Pine FMC
43.2	7°	11%	9%
Woodland FMC	Forest FMC		
11%	10%		
Latitude	Longitude	Elevation	Drought Factor
-35.4184°	149.0937°	587m	7.6
Curing		90%	



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AGENCY**





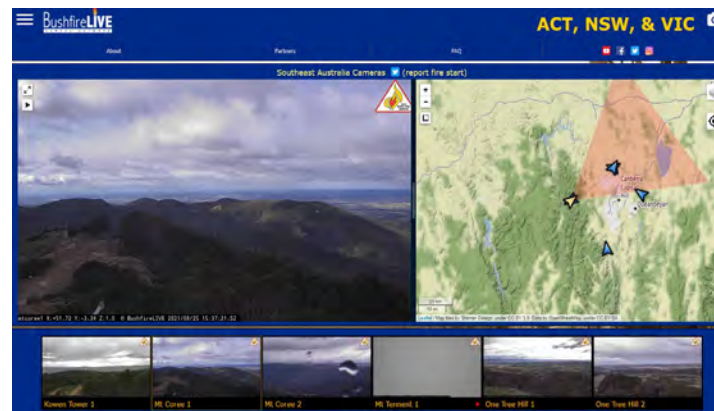
Suppression Effect on Potential Fire Behaviour





ACT Rural Fire Service

Specialised equipment – Fire Towers



- Four Towers surrounding Canberra
 - One Tree Hill (North)
 - Kowen Forest (East)
 - Mount Tennant (South)
 - Mount Coree (West)
- Manned throughout Fire Season by staff
- Equipped with HD Cameras that can be operated from ESA HQ

Fire Towers & Fire Tower Cameras



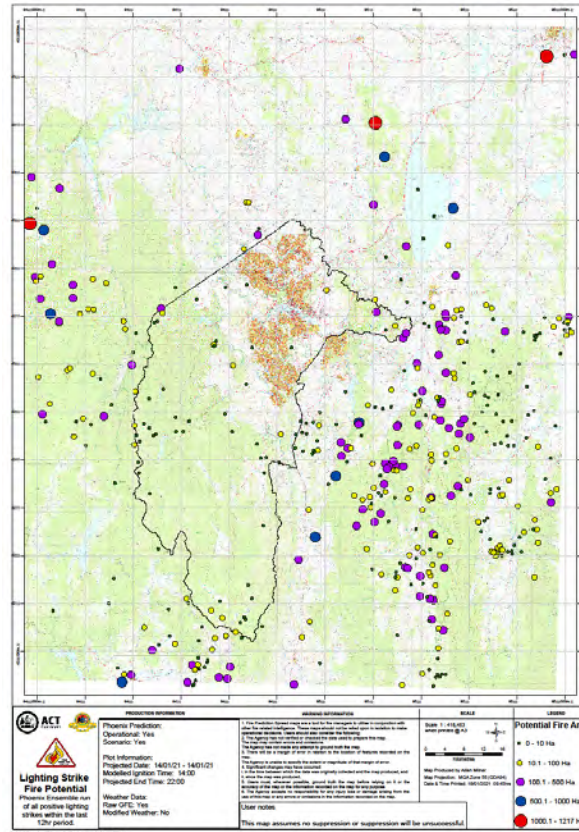
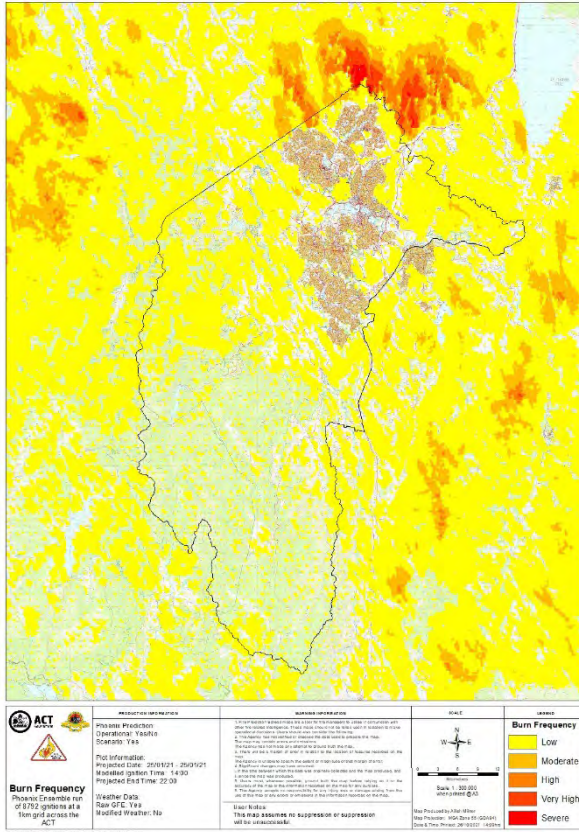
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ACT Rural Fire Service

Specialised equipment – Predictive Services



- Able to follow Thunderstorm fronts and track lightning. Which can be turned into Fire potential.
- Able to track areas of the ACT and when they were last burnt.
- In the event of a fire start, can predict rate of spread and potential impacts



Prescribe burning

ACTRFS conduct allocated Prescribe burns

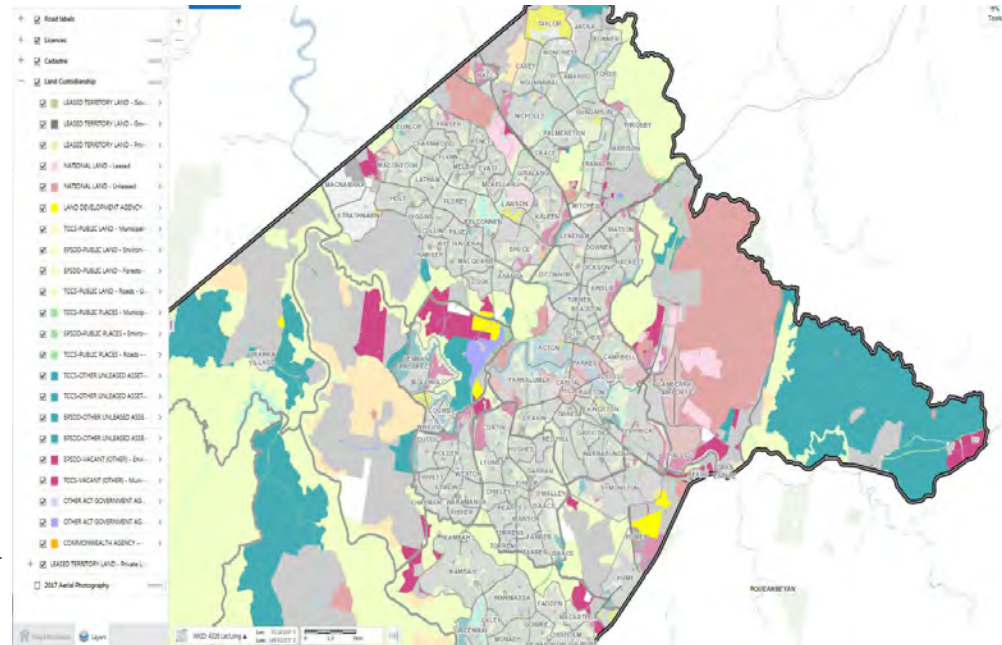
Assist PCS with annual burning program, providing crews and support roles

Prescribe burns help reduce fire risk by removing excess vegetation in a safer and controlled environment

Ecological and Scientific Research burning

Community Bushfire Protection

- Bushfire assessments of all planned sub-divisions and rural constructions. Consult on development application, estate development plan and environmental impact statements
- Ensure that new developments meet the Building Code of Australia requirements under AS3959 *Building in bushfire prone areas*
- Provide advice on the *ACT Strategic Bushfire Management Plan*
- Farm FireWise implementation with rural landholders
- Monitor the progress of Bushfire Operational Plans (BOPs)
- Undertake field audits and assessments of work carried out under BOPs
- Liaise with surrounding NSW RFS Zones in relation to bushfire mitigation strategies and works in NSW



Commercial in Confidence
Bushfire Operations Plan
 Riverview Cottage
 181 Haas Road Trouton ACT 2923

Contact Details
 Landholder Name: Christopher Gordon
 Property Address: 181 Haas Road Trouton ACT 2923
 Postal Address: 181 Haas Road Trouton ACT 2923
 Contact Name: Christopher Gordon
 Phone Blk: 02 6203 8776 Phone Alt: 0800 000000
 Email: chris.gordon@act.gov.au

Property Location
 District: Trouton
 888 Highway
 Area (hectares): 3
 SA-BAC
 FFW ID: 1000
 Rural Fire Service No: 1000

Access Egress
 Access to the block is through the Homelife Visitor Centre Carpark only. Access through the adjoining land is only possible during dry periods and should be used as a last resort. Care should be taken as even when dry some areas can be very steep.

Asset Protection Area
 The area within the house pad is shown and kept below 200mm. An area of 10 meters is shown outside the house pad and kept below 100mm.

Strategic Area
 The rest of the property is shown and always kept below 200mm.

Fire Fighting Resources
 Fire Fighting Equipment: 6000 Fire Tank used to garage with 200mm filling. Small fire pump with 200 of 20mm hose.
 Recommended Fire Protection System installed: n/a

Preparation and Response
 Preparation: Forward Fire Danger
 In addition to all listed in Very High and below. Notify Homelife Visitor Centre. Notify neighbours. If off shift take evacuation kit and animals to one of identified safe zones. Notify Homelife Visitor Centre. Notify neighbours. If off shift take one of each.

Response: Confirmed Fire
 Evacuate if a fire starts within 100m of house. Fill baths and tanks with water. If fire starts closer and no time to evacuate prepare house for protection.

Catastrophic
 Evacuate if a fire starts within 100m of house. Fill baths and tanks with water. If fire starts closer and no time to evacuate prepare house for protection.

Extreme
 Prepare to evacuate if a fire starts within 200m of house. Fill baths and tanks with water. If fire starts closer and no time to evacuate prepare house for protection.

Severe
 Prepare to evacuate if a fire starts within 200m of house. Fill baths and tanks with water. If fire starts closer and no time to evacuate prepare house for protection.

Very High
 Stay and defend house. Fill baths and tanks with water. If fire starts closer and no time to evacuate prepare house for protection.

High
 Stay and defend house. Fill baths and tanks with water. If fire starts closer and no time to evacuate prepare house for protection.

Low-Moderate
 Stay and defend house. Fill baths and tanks with water. If fire starts closer and no time to evacuate prepare house for protection.

Asset Protection Priorities
 Priority: Medium
 Asset: House
 Priority: High
 Asset: Livestock

Land Holdings
 Section: 2
 Block: 383

Report Made: Completed: 2007/12/05

Signatures
 Landholder Name: _____
 Signature: _____
 Date: _____
 For and on behalf of ACT Emergency Services Agency
 Date: _____

RFS *Farm FireWise* Program

- Rural landholders play a key role in preventing fire impact for the ACT community
- FFW program is a collaborative relationship between ACTRFS and rural landholder
- FFW satisfies *Emergencies Act 2004* Section 78 for a Bushfire Operational Plan
- ACTRFS meets landholder on property and discusses objectives and offers advice on fuel management and fire response
- Detailed FFW property management map is produced for landholder use and ESA operational use.





- Landholder identifies fire protection priority, e.g. rural enterprise equipment can be more valuable than dwelling
- Brigades encouraged to conduct regular familiarisation visits to properties
- RFS supports/implements rural landholder hazard reduction planning and burning
- Fuel Management Zones within Rural Leases are monitored during the bushfire season. We offer assistance where fuel management is required.
- FFW data and property contact information is available to ESA personnel through in vehicle technology.
- FFW plans life cycle is 5yrs with an annual contact with landholders.

AutoSave - Farm FireWise (FFW) annual contact with Landholders 2105-2106 - Saved

File Home Insert Draw Page Layout Formulas Data Review View Help

Clipboard Font Alignment Number Styles

Normal Bold Italic Underline Link Color Background Color

Strategic Bushfire Management Plan (SBMP) Version 4, ACTION 2.4 - Farm FireWise (FFW) annual contact with Landholders

Landholder - Property	Date Contacted	Contact Via	Notes	Recommendation	CO ACTRES Initial	River Corridor
Jenny & Peter Ipkendanz - Callum Brae	01/05/2021	Email	FFW implementation and data management.	Noted / Please Discuss		No
Maree Munns	02/05/2021	In Person	Discussed need to complete FFW Plan and come out and visit property.	Noted / Please Discuss		Yes - Gudgenby
Jenny & Peter Ipkendanz - Callum Brae	06/05/2021	In Person	FFW implementation and data management. Drop off copy of FFW plan.	Noted / Please Discuss		No
Russell Leemhuis - Bellview	11/05/2021	Phone	Discussed review of FFW. Will organise signing next week.	Noted / Please Discuss		No
Leanne Regan - Rosaglen	11/05/2021	Phone	Discussed review of FFW. Signing next week 18/05/2021.	Noted / Please Discuss		No
Tom Gregory - Cavanagh's	16/05/2021	Phone	Discussed burning notifications.	Noted / Please Discuss		Yes - Gudgenby
John Lowe - National Equestrian Centre	17/05/2021	Email	Following up on FFW Draft.	Noted / Please Discuss		Yes - Murrumbidgee
John Lilleyman - Amberly	17/05/2021	Email	Following up on FFW Draft.	Noted / Please Discuss		Yes - Murrumbidgee
Leanne Regan - Rosaglen	18/05/2021	In Person	Signed FFW plan.	Noted / Please Discuss		No
Vic Elvin - Equestrian Park & Kamberra	20/05/2021	Phone	Review of FFW plans. Left Voice Message.	Noted / Please Discuss		No
John Lowe - National Equestrian Centre	20/05/2021	In Person	Review of FFW Draft.	Noted / Please Discuss		Yes - Murrumbidgee
Graeme Heames - Belconnen	25/05/2021	Phone	Review of FFW plan. Burn notifications.	Noted / Please Discuss		No
John Lowe - National Equestrian Centre	26/05/2021	In Person	Signed FFW plan.	Noted / Please Discuss		Yes - Murrumbidgee
Allie Cooper - Mowers	28/05/2021	Phone	Wants to move firelighting waterpoint.	Noted / Please Discuss		Yes - Paddy's River
			Signed		Date	

Prepared By: Chris Condon, Senior Rural Liaison Officer, ACT Rural Fire Service
 Signatory Name: Rohan Scott, Chief Officer, ACT Rural Fire Service

AutoSave - 2020-21 Fuel Hazard Assessment Sheet -

File Home Insert Draw Page Layout Formulas Data Review View Help

Clipboard Font Alignment Number Styles

FFWID	Zone	Vegetation Type	Date Checked	Status	Comment	Estimated Revised Date	Date Checked	Status	Comment	Estimated Revised Date	Date Checked	Status	Comment	Estimated Revised Date
1	FFW03	Zone3												
1	406	DAFZ	Forest and Woodland	13/11/2020	OK	Grassed. However the area will need burning at some point as the CPB stands from. Moderate in the DAFZ.	09/10/2021				09/10/2021	Red	This area is not currently being grazed. Grass heights have increased. CPB assessed as high. Discussion with the landholder through the FFW program will be established to look at implementing a burn of the area.	Engage through FFW
1	409	DAFZ	Grass and Open Woodland	11/11/2020	OK	Grassed. Grass curing is currently 20%. Grass fuel hazard score for DAFZ currently 21. Monitor for grass growth with additional rain.	09/10/2021				09/10/2021	OK	Grassed. Grass curing is currently 40%. Grass fuel hazard score for DAFZ is currently 6.	N/A
1	518	DAFZ	Grass and Open Woodland	11/11/2020	OK	Grassed. Grass curing is currently 40%. Grass fuel hazard score for DAFZ currently 24. Monitor for grass growth with additional rain.	09/10/2021	OK	Grassed. Grass curing is currently 40%. Grass fuel hazard score currently 7. Monitor for grass growth with additional rain.	09/10/2021	09/10/2021	OK	Grassed. Grass curing is currently 40%. Grass fuel hazard score for DAFZ is currently 7.	N/A
1	131	DAFZ	Grass and Open Woodland	12/11/2020	OK	Grassed. Grass curing is currently 30%. Grass fuel hazard score for DAFZ currently 24. Monitor for grass growth with additional rain.	09/10/2021				09/10/2021	OK	Grassed. Grass curing is currently 40%. Grass fuel hazard score for DAFZ is currently 21.	N/A
1	38	SPAZ	Grass and Open Woodland	12/11/2020	OK	Grassed and shaded. Grass curing is currently 40%. Grass fuel hazard score for SPAZ currently 35. Monitor for grass growth with additional rain.	09/10/2021				09/10/2021	OK	Grassed. Grass curing is currently 40%. Grass fuel hazard score for SPAZ is currently 36.	N/A
1	303	DAFZ	Grass and Open Woodland	11/11/2020	Monitor	Shaded boundary. Needs to be monitored. Grass curing is currently 20%. Grass fuel hazard score for DAFZ currently 44.	09/10/2021	OK	Shaded boundary. Grass curing is currently 30%. Grass fuel hazard score currently 6.	09/10/2021	09/10/2021	OK	Grassed. Grass curing is currently 30%. Grass fuel hazard score for DAFZ currently 36.	N/A
1	51	DAFZ	Grass and Open Woodland	12/11/2020	OK	Moist. Grass curing is currently 40%. Grass fuel hazard score for DAFZ currently 30.	09/10/2021				09/10/2021	OK	Moist. Grass curing currently 30% (engaged). Grass fuel hazard score for DAFZ currently 35.	N/A
1	399	DAFZ	Grass and Open Woodland	29/11/2020	OK	Grassed. Grass curing is currently 30%. Grass fuel hazard score for DAFZ currently 21.	09/10/2021				09/10/2021	OK	Grassed. Grass curing currently 40%. Grass fuel hazard score for DAFZ is currently 23.	N/A
1	54	DAFZ	Forest and Woodland	03/12/2020	Red	Monitor. Burn plan already in place for this block. CPB currently high. Needs to be burnt.	09/10/2021				09/10/2021	Red	Burn planning underway for Autumn burns. CPB is still high for DAFZ.	Engaged through FFW
1	41	DAFZ	Grass and Open Woodland	09/12/2020	Monitor	Grassed. Grass curing is currently 30%. Grass fuel hazard score for DAFZ currently 42.	09/10/2021	OK	Grassed. Grass curing is currently 40%. Grass fuel hazard score for DAFZ currently 38. This steep area above the suburbs to the south has considerably higher grass fuel hazard score. However given the slope, aspect and fuel management on government reserve the risk is considered low.	09/10/2021	09/10/2021	OK	Grassed. Grass curing currently 30%. Grass fuel hazard score for DAFZ currently 34.	N/A
1	324	DAFZ	Grass and Open Woodland	09/12/2020	OK	Shaded. Grass curing is currently 40%. Grass fuel hazard score for DAFZ currently 16.	09/10/2021				09/10/2021	OK	Shaded. Grass curing currently 30%. Grass fuel hazard score for DAFZ currently 14.	N/A
1	525	DAFZ	Grass and Open Woodland	09/12/2020	OK	Moist. Grass curing is currently 30%. Grass fuel hazard score for DAFZ currently 35.	09/10/2021				09/10/2021	OK	Moist. Grass curing currently 30% (engaged). Grass fuel hazard score for DAFZ currently 35.	N/A
1	186	DAFZ	Grass and Open Woodland	09/12/2020	Monitor	Not treatment currently. Grass curing is currently 40%. Grass fuel hazard score for DAFZ currently 66.	08/10/2021	Monitor	Not treatment currently. Grass curing is currently 40%. Grass fuel hazard score currently 75. This area is a wet area with low slope.	09/10/2021	09/10/2021	OK	No treatment currently. Grass curing is currently 50%. Grass fuel hazard score for DAFZ is 88. Areas adjacent to bush outside DAFZ grazed with a grass fuel hazard score of 36.	N/A

BOP Spatial Data Project



<p>ACT</p> <p>Emergency Services Agency</p>	<p>PRODUCTION INFORMATION</p> <p>Map Produced by: GIS Spatial Services Map Projection: NAD 83 UTM Scale: 1:10,000 Data & File: 12/2014</p> <p>PRODUCTION INFORMATION</p> <p>Map Name: 101127 Map Path: 101127 Map Scale: 10000 Map Units: Meter Map Projection: UTM Map Datum: NAD83 Map SRS: EPSG:31433 Map Title: 101127</p> <p>WARNING INFORMATION</p> <p>This map is for informational purposes only. It is not intended for use in legal proceedings or other applications where precise measurements are required. The user assumes all liability for any use of this map.</p>	<p>LEGEND</p> <ul style="list-style-type: none"> █ 101127 █ 101128 █ 101129 █ 101130 █ 101131 █ 101132 █ 101133 █ 101134 █ 101135 █ 101136 █ 101137 █ 101138 █ 101139 █ 101140 █ 101141 █ 101142 █ 101143 █ 101144 █ 101145 █ 101146 █ 101147 █ 101148 █ 101149 █ 101150 █ 101151 █ 101152 █ 101153 █ 101154 █ 101155 █ 101156 █ 101157 █ 101158 █ 101159 █ 101160 █ 101161 █ 101162 █ 101163 █ 101164 █ 101165 █ 101166 █ 101167 █ 101168 █ 101169 █ 101170 █ 101171 █ 101172 █ 101173 █ 101174 █ 101175 █ 101176 █ 101177 █ 101178 █ 101179 █ 101180 █ 101181 █ 101182 █ 101183 █ 101184 █ 101185 █ 101186 █ 101187 █ 101188 █ 101189 █ 101190 █ 101191 █ 101192 █ 101193 █ 101194 █ 101195 █ 101196 █ 101197 █ 101198 █ 101199 █ 101200 	<p>KEY MAP</p>

Bushfire Operational Plans (BOPs)

- ACTRFS work with various Government and Private land managers on development of BOPs for approval by ESA Commissioner under *Emergencies Act 2004 Section 78*
- Audit activities identified in BOPs (approximately 1000 activities excluding Farm FireWise (FFW))
- Hazard reduction, slashing, grazing, physical removal and chemical treatment are some of the mitigation activities
- BOP auditing, and FFW implementation are reported as ESA Strategic Indicators

Performance Measure Summary and Verification
 2019-20 Statement of Performance
 Reporting period ended: June 30
 Service/Function Unit: ACTRFS
 Contact: Greg Potts (09540)

4.1. Emergency Services
Division and Function/Unit
 (a) Develop suite of ACT Government Directorate Bushfire Operational Plans activity progress reports

Purpose of measure
 This indicator relates to the review by ACT Rural Fire Directorate of the activities required as part of approved Bushfire Operational Plans of ACT Government.

Definitions
 1. Bushfire Operational Plans are as approved by ESA Commissioner
 2. Develop and/or auditing BOPs for completion of activities, and activities not commenced or completed, and a summary of activities relative to any reported activity. Any savings or operational issues in relation to BOPs will be included in the audit report. The audit will be signed by CO RFS or COCC and assigned to Assistant Manager Community Bushfire Protection.

Responsible Officer
 Georgina Whelan - ESA Commissioner
 Contact Officer: Nicholas Townsend

Evidentiaries
 1. ESA approved Bushfire Operational Plans
 2. Progress reports of BOPs audited and/or signed by auditing and existing officers.
 3. Report count of activities in the approved BOPs (TAMG and LDA)
 4. Report count of activities audited and/or signed.

Calculation method
 (Include any changes to original calculation method)
 A. Report count of activities audited and/or signed
 B. Total number of activities in approved BOPs
 If no data is available for reporting period, result should be shown as 'Nil' with a variance explanation provided.

Calculation:
 A (our BOP) 363
 B (our BOP) 363

Full Year Result
 100%

Original Target
 100%

Amended Target (are changes explained if an amendment made during the year?)
 Nil

Variance from the amended target based on result
 Variance amount: -0.00
 Variance as a percentage of amended target: 0%

Variance explanation
 (Provide explanation of variance of +/- 5% or more from the amended target here)
 ACT Housing and ACT Property Group did not provide (4 Reports).

Prepared by:
 Name: Chris Daniels - on behalf of Manager, Community Bushfire Protection
 Position: Senior Bushfire Officer
 Signature: [Signature]
 Date: 11/06/2020

Checked and Approved by:
 Name: Robyn Scott
 Position: ASB Chief Officer
 Signature: [Signature]
 Date: 30/06/2020

ACT Rural Fire Service Bushfire Operational Plan Directorate audit report

2020-21 Financial Year- 3rd Quarter summary of activities

Directorate	ESA approved BOP activities	BOP activities reported to RFS	RFS BOP audited activities
EPD-D-PCS	691	0 see Note 1	0
EPD-D-SLA	40	40	40
Housing	0 see Note 2	0	0
Health Asset Management	6	0 see Note 3	0
Canberra Health Services	14	14	14
IconWATER	54	54	54
EVOENERGY	21	21	21
CMETDO	106	0 see Note 4	0 see Note 4
TCCS - Birrigai	14	14	14
Total activities	946	143	143

Note 1: PCS did not provide a Q3 report.
Note 2: Housing Directorate did not provide a report, no BOP draft received for 2020/21.
Note 3: HAW did not provide a Q3 report.
Note 4: CMETDO did not provide a Q3 report.

Audited by:
 [Signature] Date: 09 / 11 / 2020
 Chris Candon ACT RFS Senior Rural Liaison Officer

Checked and approved by:
 [Signature] Date: 09 / 11 / 2020
 Rohan Scott A/g ACT RFS Chief Officer.

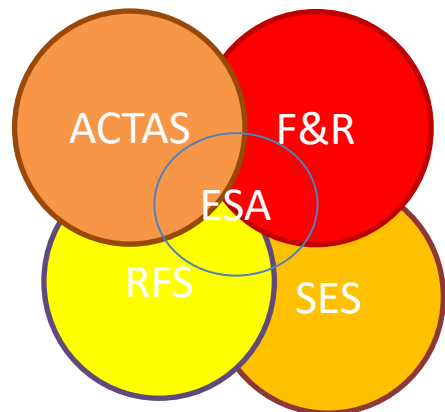
ACT Rural Fire Service
 Information to protect our community from bushfire
 ACT Emergency Services Agency
 We work together to save lives
 protect through collective confidence,
 collaboration, respect and a
 united conviction.
 Web: www.rfs.act.gov.au
 Email: rfs@act.gov.au
 QLD Bus 108
 Canberra, ACT 2601
 Phone: (02) 4387 8400



Assessing Development Applications

- Review and comment on referred development applications on Bushfire Prone land; comments are included in planning approval
- Collaborate with Fire & Rescue on development proposals for urban land requiring bushfire provision

ACTPA Ref Num	DA Ref Number	Date Received	Suburb	Block	Section	Date sent on	Date due to EP	Date sent back to ACTPA	ACTPA Contact/Email
118	2021151	30-Apr-21	Gungahlin	792		03-May-21	21-May-21	26-May-21	ACEPDCustomerServices@act.gov.au
119	2021114	202008102 - S144C	Gungahlin	7	249	04-May-21	21-May-21	21-May-21	ACEPDCustomerServices@act.gov.au
121	2021117	Request for scope	Gurdon	7	61	17-May-21	21-May-21	17-May-21	hstrubbe@act.gov.au
122	2021118	Impact assessment Jarramee ESO202100021	Garran - Hospital	1	18	04-May-21	24-May-21	13-Jun-21	ACEPDCustomerServices@act.gov.au
123	2021115	202118518	Bellconnon	1620		17-May-21	24-May-21	10-Jun-21	EPDImpact@act.gov.au
124	2021120	LRAC Circulation	Waggonway	2	81	13-May-21	22-May-21	09-Jun-21	ACEPDCustomerServices@act.gov.au
125	2021121	LRAC Circulation	Castle	2	89	17-May-21	22-May-21	13-May-21	ESD-RAC@act.gov.au
126	2021122	LRAC Circulation	Greenway	6	14	17-May-21	22-May-21	13-May-21	ESD-RAC@act.gov.au
127	2021123	LRAC Circulation	Phillips	2	25	17-May-21	22-May-21	13-May-21	ESD-RAC@act.gov.au
128	2021124	LRAC Circulation	Tuggeranong	1405		17-May-21	22-May-21	15-May-21	ESD-RAC@act.gov.au
129	2021125	Request for Agency Comments	Gurkahlia	5	235	17-May-21	28-May-21	28-May-21	ACEPDCustomerServices@act.gov.au
130	2021130	DV380	Deakin	2,6,7,8 & 13	46 & 78	19-May-21	28-May-21	09-Jun-21	terran@act.gov.au
131	2021119	202037897 - Reconsideration	Deakin	6	2	17-May-21	31-May-21	09-Jun-21	ACEPDCustomerServices@act.gov.au
132	2021126	20171866 - Reconsideration	Gungahlin	4	224	21-May-21	09-Jun-21	09-Jun-21	ACEPDCustomerServices@act.gov.au
133	2021127	202138277 - See 2021015	Deakin	28	15	21-May-21	07-Jun-21	13-Jun-21	ACEPDCustomerServices@act.gov.au
134	2021128	20203156 - S141A	Deakin Process	1	97	21-May-21	07-Jun-21	13-Jun-21	ACEPDCustomerServices@act.gov.au
135	2021136	Prescribed Conditions	Worston	2	79	07-Jun-21	07-Jun-21	10-Jun-21	Carry_Taylor@act.gov.au
136	2021129	202138531	Phillip	6	8	21-May-21	09-Jun-21	13-Jun-21	ACEPDCustomerServices@act.gov.au
137	2021135	LRAC Circulation	Phillip	19	32	03-Jun-21	10-Jun-21	13-Jun-21	ACEPDCustomerServices@act.gov.au
138	2021131	2018296 - S197C	Malaga	0	0	02-Jun-21	14-Jun-21	13-Jun-21	EPDCustomerServices@act.gov.au
139	2021133	202138616	Deakin	19	33	02-Jun-21	22-Jun-21	17-Jun-21	ACEPDCustomerServices@act.gov.au
140	2021132	202138651	Deakin Process	2	76	02-Jun-21	24-Jun-21	22-Jun-21	ACEPDCustomerServices@act.gov.au
141	2021143	LRAC	Sixy	2 & 3	20	09-Jun-21	24-Jun-21	17-Jun-21	ESD-RAC@act.gov.au
142	2021134	202138577	Tuggeranong	1599	0	03-Jun-21	25-Jun-21	ACTRFS comments 23.6.21	ACEPDCustomerServices@act.gov.au
143	2021137	202138686	Gungahlin	792	0	02-Jun-21	28-Jun-21	ACTRFS Com	ACEPDCustomerServices@act.gov.au
144	2021139	202138433	Deakin	2	80	09-Jun-21	01-Jul-21	ACTRFS Nil Com	ACEPDCustomerServices@act.gov.au
145	2021140	202138579	Brace	3	32	09-Jun-21	01-Jul-21	ACTRFS Nil Com	ACEPDCustomerServices@act.gov.au
146	2021141	202138681	Hume	1	51	09-Jun-21	01-Jul-21	ACTRFS Nil Com	ACEPDCustomerServices@act.gov.au
147	2021142	202138536	McCourtiff	1	65	09-Jun-21	01-Jul-21	ACTRFS Nil Com	ACEPDCustomerServices@act.gov.au
148	2021153	LRAC	Lynham	1	66	17-Jun-21	01-Jul-21	21-Jun-21	LRAC@act.gov.au
149	2021152	LRAC	Kaleen	1	153	17-Jun-21	01-Jul-21	ACTRFS Nil Com	LRAC@act.gov.au
150	2021144	Severing Postments	Macusa	11	13	11-Jun-21	02-Jul-21	ACTRFS Com	ACEPDCustomerServices@act.gov.au
151	2021145	202139685	Beardell	21	2	11-Jun-21	05-Jul-21	ACTRFS Nil Com	ACEPDCustomerServices@act.gov.au
152	2021146	202037978 - S144C	Phillip	8	24	18-Jun-21	05-Jul-21	ACTRFS Nil Com	ACEPDCustomerServices@act.gov.au
153	2021154	LRAC - Deakin	Deakin	22	21	22-Jun-21	05-Jul-21	ACTRFS Nil Com	EPD-RAC@act.gov.au
154	2021147	ESO202100079 - CallTex	Holt	1	553	15-Jun-21	06-Jul-21	ACTRFS Nil Com	EPDImpact@act.gov.au
155	2021148	ESO202100010 - CallTex	Hughes	5	45	15-Jun-21	06-Jul-21	ACTRFS Nil Com	EPDImpact@act.gov.au
156	2021149	202138201 - S144A	Bellconnon	1558		17-Sep-21	07-Jul-21	ACTRFS Nil Com	ACEPDCustomerServices@act.gov.au
157	2021150	201934603 - S197C	Gungahlin	1	12	17-Jun-21	08-Jul-21	ACTRFS Nil Com	ACEPDCustomerServices@act.gov.au
168	2021153	202038122 - S144B	Holt	30	16	21-Jun-21	12-Jul-21		ACEPDCustomerServices@act.gov.au
169	2021155	20183499 - S197H	Phillip	17	1	22-Jun-21	12-Jul-21		ACEPDCustomerServices@act.gov.au
180	2021158	201934662 - S197C	Deakin	25	72	22-Jun-21	13-Jul-21		ACEPDCustomerServices@act.gov.au
181	2021138	EIS - 201900047	Deakin	1	1	09-Jun-21	21-Jul-21		ACEPDCustomerServices@act.gov.au
182	2021020	202037960	Phillip	1	42	09-Jun-21	21-Jul-21	ACTRFS Nil Com	ACEPDCustomerServices@act.gov.au
183	2021025	Pre DA - TCH 202038001	Garratt	1	42	29-Jan-21	ASAP	02-Feb-21	ACEPDCustomerServices@act.gov.au
184	2021026	201934344 - S144C	Phillip	15, 13, 2	81, 140	03-Feb-21	ASAP	25-Mar-21	ACEPDCustomerServices@act.gov.au
185	2021063	Pre DA - TCH	Phillip	2	66	03-Mar-21	ASAP	05-Feb-21	ACEPDCustomerServices@act.gov.au
186	2021156	Draft Development Plan	Woden	22	22	22-Jun-21	ASAP	22-Jun-21	ACEPDCustomerServices@act.gov.au
187	2021157	Pre DA - TCH	Phillip	1	1	22-Jun-21	ASAP	25-May-21	ACEPDCustomerServices@act.gov.au
188	2021010	Post Notice of Decision	Deakin Mental Health Facility	1	63	15-Jan-21			hett@bushfireconsultants.com.au
189	2021032		Accellair	14	71	11-Jan-21			roswaldford@cloud.com
170	2021159							22-Feb-21	ACEPDCustomerServices@act.gov.au

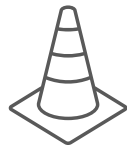




Be Emergency Ready



Preparing yourself for the season:



Understand the risks associated with your location and your personal circumstances.



Know where to get the right information and understand the information available.



Make a plan to prepare yourself, your family and your home for an emergency, and actions that you will take in an emergency situation.

Be Emergency Ready



Make a plan to prepare yourself, your family and your home and stick to it

Download a copy of your survival plan which will provide step by step instructions on how to prepare your yourself, your family and home and what to enact in the event of an emergency.

Be Emergency Ready by planning to survive

SURVIVAL PLAN

EMERGENCY SURVIVAL PLAN

Planning and preparation is the key to survival.

If you and your home are well prepared, you stand a better chance of surviving an emergency. This guide can help you make important decisions to prepare yourself, your home and your family.

DISCUSS What will you do in an emergency?
Get together and discuss what actions you will take.

ARE YOU IN A BUSHFIRE PRONE AREA?
Find out at www.esa.act.gov.au/bushfire-prone-areas

HOW WILL YOU MONITOR WEATHER CONDITIONS IN YOUR AREA?

HOW WILL YOU MONITOR CONDITIONS WHILE TRAVELLING AWAY FROM HOME?

WHAT ITEMS WILL YOU NEED TO ADD TO YOUR HOME EMERGENCY KIT IN THE CASE YOU NEED TO LEAVE URGENTLY?

WHAT WILL YOU HAVE IN YOUR HOME EMERGENCY KIT?

- Ensure you have a Home Emergency Kit.
- Download the Home Emergency Kit checklist from esa.act.gov.au

WHAT WILL YOU PACK IN YOUR SURVIVAL KIT?

Be Emergency Ready by packing the essentials

SURVIVAL PLAN

HOME EMERGENCY KIT

Having a Home Emergency Kit will ensure you are prepared for any emergency.

A Home Emergency Kit is a crucial element of survival during and after an emergency. Get together with your household or your personal support network to make a list of what you will need. Chances are you already have many of the necessary items in your home.

Keep this handy checklist on the fridge until your kit is complete!

Suggested survival items:

Light

TIP!

- Don't leave batteries in the torch, and check them every six months.
- Consider wind-up torches that don't need batteries.

Cash

TIP!

- ATMs and banks may not be operating in the early stages of any emergency.
- Having some cash will help meet basic and urgent needs.

Water

TIP!

- Never drink tap water after an emergency until authorities have advised it is safe.
- Water can be stored for up to 12 months in airtight containers. Label when water was last changed.

Radio (battery-powered)

TIP!

- Radio is often the best source of information in an emergency.
- Mark on the dial the frequencies of your Local Radio and other local services.
- Select a radio that is battery-powered and doesn't rely on electricity.

Available in:

- Arabic
- Punjabi
- Simplified Chinese
- Vietnamese



Be Emergency Ready



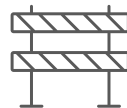
Part of understanding the risks is understanding what to expect in a major bushfire event



Smoke, heat, hot wind



Physical and psychological stress and/or exhaustion



Road closures and disruptions to public transport



Closures and disruptions to public services including

- Increased wait times for medical services
- Disruptions to opening times of shops and services

Be Emergency Ready



Prepare your home

- Ensure around your home and yard are clear of as much clutter as possible.
- Ensure you regularly clean leaves and other organic materials from around your home and gutters.
- Ensure that loose items are removed and stored appropriately e.g. patio furniture, kids toys etc.
- Ensure that your BBQ gas bottle and any other flammable liquids are appropriately stored.
- If you are planning to stay and defend your property, ensure you have appropriate supplies and water readily available.

Be Emergency Ready



Prepare Yourself and your family

- Make sure you have communicated and discussed the plan with your family.
- Ensure you know your triggers for when to stay and when to leave.
- Ensure you have the required supplies.
 - Food and water
 - Medications
 - Supplies for your pets
- Think ahead, know what is happening around you, be prepared to act and adapt if the situation warrants.

Be Emergency Ready

Planning to stay and defend

If you are planning to stay and defend your property in the event of an emergency, you need to consider the following.

- Are you emotionally prepared to handle the situation and the risk.
- Are you physically prepared to stay and defend – do you have appropriate PPE
- Is your property equipped for you to safely stay and defend.
 - Have you prepared your home as much as possible – cleared clutter
 - Do you have ready access to equipment – hoses, buckets, rakes, shovels, generators and pumps
 - Do you have ready access to water – noting that in the event of an emergency mains water pressure will likely drop due to emergency services usage.

BUSH FIRE SURVIVAL PLAN

Personal Protective Clothing

WHY WEAR PERSONAL PROTECTIVE CLOTHING?

Being in or near a bush fire can cause a number of different injuries and everyone should wear protective clothing to avoid injury from smoke, sparks, embers and extreme heat. Loose fitting clothing made from natural fibres such as pure wool, heavy cotton drill or denim is important to protect you from injury. Synthetic fabrics can melt or burn.



A pair of heavy cotton pants. For example denim jeans, oil-free drill pants or cotton overalls.



Sturdy leather work boots or shoes along with a pair of woolen or cotton socks.



A wide-brimmed hat or hard hat can stop embers from dropping onto your head or down the back of your shirt.



Goggles or goggles will protect your eyes against any smoke, embers and debris that may be in the air.



Gloves.



A mask or cloth (non-synthetic) to cover your nose and mouth will protect you from inhaling smoke, ash and embers.



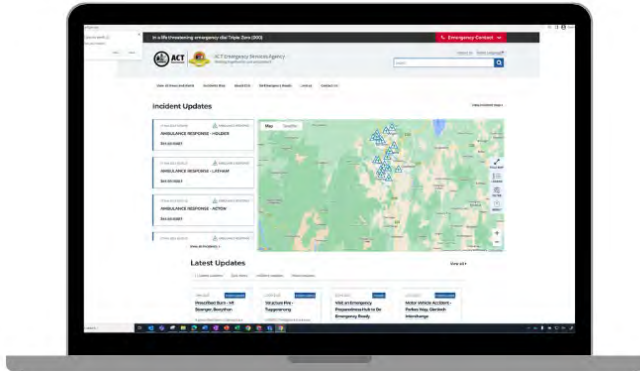
A long-sleeved shirt made from natural fibres such as cotton or wool is ideal.



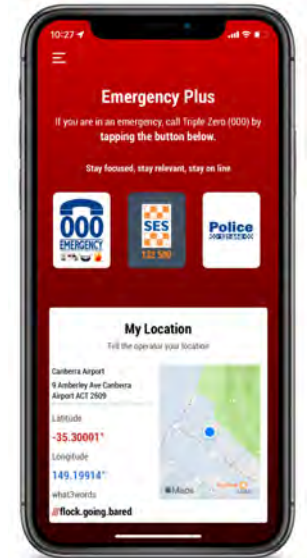
Resources



NSW Government Hazards Near Me App



ESA Website



Emergency Plus App



News Broadcasts



ABC Radio



ABC Website



Chief Officer Rohan Scott AFSM

Strategic Priorities for future ACTRFS

- Volunteer welfare, recruitment, retention and communication
- Control of incidents under our legislative responsibilities
- Training for leaders and succession planning
- Increased opportunities for nonoperational or transitioning members – Support other services
- Sustainability targets – Modern fleet and equipment
- E-Learning and flexible training options and varied courses
- Specialist capabilities – RAFT, Aviation, Investigation
- Predictive services, rural landholders, land managers
- Technology - GIS, cameras, portable devices, PPC and PPE
- Climate change and research partnerships
- RFS funding





Questions?



ACT EMERGENCY SERVICES AGENCY

We work together to care and protect through cohesive operations, collaborative management and a unified executive

