Release

Community announcement

Date: 21 August 2020

-For release 25 August 2020-

Smoke from planned burn – Western Creek and Boondandilla State Forests

The Queensland Parks and Wildlife Service (QPWS) in conjunction with the Department of Agriculture and Fisheries (DAF) will conduct a planned burn within Western Creek and Boondandilla State Forests from Tuesday, 25 August 2020, as part of the annual hazard reduction program for parks and forests.

As a result, smoke may be seen between Cecil Plains and Dalby localities.

This planned burn aims to reduce the volume of forest fuels and create a mosaic pattern of burnt and unburnt areas.

This will help reduce the likelihood of any subsequent wildfires and provide favourable conditions for natural forest regeneration.

Smoke can decrease visibility on the roads, so motorists must drive safely to the conditions.

If suffering from a respiratory condition, close windows and doors, and keep medications close by

For more information, please call Toowoomba office of QPWS on (07) 4529 8334.

For further media enquiries contact Media Services on (07) 3339 5831 or email media@des.qld.gov.au

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PATU Jane

From: Comms Operational User <aifsqld@bom.gov.au>
Sent: Wednesday, 4 November 2020 4:39 PM
To: Fire Advice
Subject: BOM: Fire Weather Warning 1 (QLD) [SEC=OFFICIAL]

IDQ20035
Australian Government Bureau of Meteorology Queensland

Fire Weather Warning
for the Central Highlands and Coalfields, Maranoa and Warrego and Darling Downs and Granite Belt forecast districts.

Issued at 4:38 pm EST on Wednesday 4 November 2020.

Weather Situation
An approaching trough will produce dry, hot and windy conditions over southern and eastern interior parts of Queensland tomorrow. This will result in SEVERE fire dangers over the Central Highland and Coalfields, Maranoa and Warrego and Darling Downs and Granite Belts districts.

For Thursday 5 November:

Severe Fire Danger is forecast for the following forecast districts:
Central Highlands and Coalfields, Maranoa and Warrego and Darling Downs and Granite Belt

The Rural Fire Service Queensland advises you to:
- Action your Bushfire Survival Plan now.
- Monitor the fire and weather situation through your local radio station,
  https://urldefense.proofpoint.com/v2/url?u=http-3A__www.ruralfire.qld.gov.au&d=DwIBAg&c=tpTxelpKGw9ZbZ5Dlo0lybSxHDHIiYjksG4icXfalgk&r=N_7NOGdO_IYin9AWk6zXNF7jB2VkbjwqSdRSyE3_3G8&m=PbgxeaVXTDWTTpMMuECRJ3-7OmiQ92V97UomsM7xwTE&s=h7JJTYMhJnXgpLxU9nlXj_9hFJalwIDM3i2CFmc6a8M&e= and https://urldefense.proofpoint.com/v2/url?u=http-3A__www.bom.gov.au&d=DwIBAg&c=tpTxelpKGw9ZbZ5Dlo0lybSxHDHIiYjksG4icXfalgk&r=N_7NOGdO_IYin9AWk6zXNF7jB2VkbjwqSdRSyE3_3G8&m=PbgxeaVXTDWTTpMMuECRJ3-7OmiQ92V97UomsM7xwTE&s=lA43evQy1Y3FylL4KX4PyqrzIE7a_Q3mT3o8tvAS8dE&e= .
- Call 000 (Triple Zero) in an emergency.

For information on preparing for bushfires go to https://urldefense.proofpoint.com/v2/url?u=http-3A__www.ruralfire.qld.gov.au&d=DwIBAg&c=tpTxelpKGw9ZbZ5Dlo0lybSxHDHIiYjksG4icXfalgk&r=N_7NOGdO_IYin9AWk6zXNF7jB2VkbjwqSdRSyE3_3G8&m=PbgxeaVXTDWTTpMMuECRJ3-7OmiQ92V97UomsM7xwTE&s=h7JJTYMhJnXgpLxU9nlXj_9hFJalwIDM3i2CFmc6a8M&e= .

The next warning will be issued by 5:00 am EST Thursday.

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PATU Jane

From: Comms Operational User <aifsqld@bom.gov.au>
Sent: Wednesday, 4 November 2020 9:35 PM
To: Fire Advice
Subject: BOM: Fire Weather Warning 1 (QLD) [SEC=OFFICIAL]

IDQ20035
Australian Government Bureau of Meteorology Queensland

Fire Weather Warning
for the Central Highlands and Coalfields, Maranoa and Warrego and Darling Downs and Granite Belt forecast districts.

Issued at 9:35 pm EST on Wednesday 4 November 2020.

Weather Situation
An approaching trough will produce dry, hot and windy conditions over southern and eastern interior parts of Queensland tomorrow. This will result in SEVERE fire dangers over the Central Highland and Coalfields, Maranoa and Warrego and Darling Downs and Granite Belts districts.

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https://urldefense.proofpoint.com/v2/url?u=http-3A__www.ruralfire.qld.gov.au&d=DwIBAg&c=tpTxelpKGw9ZbZ5Dlo0lybSxHDHIiYjksG4icXfalgk&r=N_7NOGdO_IYin9AWk6zXNF7jB2VkbjwqSdRSyE3_3G8&m=uURg9_QBV8F6aBx8d8qdb31Jx5C4Uo9OWDt_rc1Nveg&s=wePC7q-Mmh233KSO9SCRmP_bDTzn-CbE3-YQBm4bDEE&e= and https://urldefense.proofpoint.com/v2/url?u=http-3A__www.bom.gov.au&d=DwIBAg&c=tpTxelpKGw9ZbZ5Dlo0lybSxHDHIiYjksG4icXfalgk&r=N_7NOGdO_IYin9AWk6zXNF7jB2VkbjwqSdRSyE3_3G8&m=uURg9_QBV8F6aBx8d8qdb31Jx5C4Uo9OWDt_rc1Nveg&s=F_vRSf6qKJIPNQYlzpMKvpEzzXFbJ-rvyXpcjVjsDGw&e= .
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For information on preparing for bushfires go to https://urldefense.proofpoint.com/v2/url?u=http-3A__www.ruralfire.qld.gov.au&d=DwIBAg&c=tpTxelpKGw9ZbZ5Dlo0lybSxHDHIiYjksG4icXfalgk&r=N_7NOGdO_IYin9AWk6zXNF7jB2VkbjwqSdRSyE3_3G8&m=uURg9_QBV8F6aBx8d8qdb31Jx5C4Uo9OWDt_rc1Nveg&s=wePC7q-Mmh233KSO9SCRmP_bDTzn-CbE3-YQBm4bDEE&e= .

The next warning will be issued by 5:00 am EST Thursday.

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Incident (use as Sector Plan if needed)

***Action Plan** Authorised by IC (signed): ..... Time 1600..... hrs. Date ..... 4/11/20.....
for Shift 1 ..... hrs to 1600.....hrs Sitreps at 1 hrs .....

***Situation Report** Prepared by: N.Willis at 1600 hrs. Date 4 /11/ 20 .
*delete box not applicable

Incident Name:
Tinkers Creek
Location:Western Creek State Forest

Update No: 1

S — Situation Summary (location, fuels, current status, predicted behaviour, values at risk, impact time, closures. Add map, Form ICS 6 Structure and Comms Plan. Add QPWS FA Web Report if appropriate.)

Weather	hrs	temp°C	RH%	wind km/h	wind dir.	FROS	Flame ht.	spotting
Current	1600	32	25	<10	SW	50	1	nil
Forecast	1000	33	24	25	NW	336	3	<100
Forecast	1300	36	15	36	W	666	6	200m

Losses (Area burnt, Losses/injuries/damage, Closures)
Nil

M — Incident Objectives (from ICS 2)

Ensure the protection of life and property.
Contain fire south of Western Creek northern boundary main break

E — Division/Sector Name Strategies/tactics (ICS 3)

Northern sector

Progress so far

1600= Start burning out of unburnt fuel ahead of increased fire danger

5/11/20.
Patrol northern break edge to contain fire from spotting over northern break and leaving State Forest.

Work to be done (Can it be done?)

Resources Allocated

resource name	people	fire units	other vehicles	Plant / other (type)
4362	2	1		Nil
4356	2		IC	
Total	4	1	1	nil

S — Critical Issues (Warnings, alerts, resource needs)

Increased fire danger 5/11/20- Severe 54. Potential fire to spot containment line and exit State Forest. ROS 5/11/20 could be 666m/hr un-supressed.
Limited regional resources due to other going fires.

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- This form provides a standardised format for operational briefings, provides prompts for inclusion, and is to be retained as a record of the briefing.
- SMEACS element inclusions can be modified to suit local factors.
- It can be used as an Incident Action Plan for smaller incidents with the addition of a fire incident map, more detailed Mission and Execution elements, and Incident Structure / Communications chart.

FIRE OPERATIONS BRIEFING

INCIDENT NAME:Tinkers Creek	**DATE:4/11/20** **TIME:1600**
GROUP BEING BRIEFED:QPWS	

Is this an Incident Action Plan: **X** yes ☐ no **:** **Fire Incident Map Provided:** **X** yes ☐ no

State reason – if 'no' for Fire Incident Map:

Incident Structure / Communications Chart Provided: ☐ yes X no

PREPARED FOR OPERATIONAL PERIOD	**From:** 4/11/20	**To: 5/11/20**
	Prepared by: N.Willis	
SITUATION e.g. - Current fire activity - Threats & impact time - Weather forecast - Resources	Fire currently coming out in finders out between H_I. Unburnt fuel on edge requires burning out to prevent fire escaping 5/11/20 ahead of increasing fie conditions. Weather 32 degrees, RH 25%, wind light Westerly influence. FFDI 5/11/20- FFDI 56 severe- Westerly windturning SW at 1600. Potential ROS 666m/hr 4 FTE, 1 SLOA and IC vehicle. Additional crews 5/11/20 with heavy plant if required	
MISSION – Objective **S** - Is it *specific* **M** - Can progress be *measured* **A** - Is it *achievable* **R** - Is it *relevant* to the situation **T** - What is the *timeframe*	4/11/20 Contain fire south of break A-B -1.8klm on northern boundary. Burn out pockets of unburnt fuel to prevent fire running at break 5/11/20 – Actively patrol 1.8klm of edge burnt off 4/11/20 –	
EXECUTION e.g. - Strategy, tactics - Tasks allocated - Trigger points	1 Light up crew to burn out unburnt fuel 1 SLOA to mop up and patrol edge to 1800 hours.	
ADMINISTRATION e.g. - Support and logistics - Crew shift / roster arrangements - Water sources, food and fuel	Crews leave by 1900 4/11/20. Recommence by 0900 5/11/20 Water limited. Water point approximately 10 klm south of eastern wildfire boundary. Food- Self- sufficient –all grown men fend for yourselves.	
COMMAND e.g. - Command structure - Control points - Comms channels - Call signs - Sitrep instructions	4362= IC- VHF# 332 western creek UHF#12 4362: 4356	
SAFETY e.g. - Key safety issues - Local safety zones - Fall back options - Emergency response	Fall back options- Northern boundary. Skinny break and overgrown. Continuous fuel to neighbours freehold. Assets potentially in freehold Leave by tinkers creek road to main roads No phone service. Spot tracker- VHF for emergency response.	

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procedures	
Other - Media implications - Ask for questions - Confirm understanding	

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PATU Jane

From: Comms Operational User <aifsqld@bom.gov.au>
Sent: Thursday, 5 November 2020 4:35 AM
To: Fire Advice
Subject: BOM: Fire Weather Warning 1 (QLD) [SEC=OFFICIAL]

IDQ20035
Australian Government Bureau of Meteorology Queensland

Fire Weather Warning
for the Central Highlands and Coalfields, Maranoa and Warrego and Darling Downs and Granite Belt forecast districts.

Issued at 4:34 am EST on Thursday 5 November 2020.

Weather Situation
An approaching trough will produce dry, hot and windy conditions over southern and eastern interior parts of Queensland tomorrow. This will result in SEVERE fire dangers over the Central Highland and Coalfields, Maranoa and Warrego and Darling Downs and Granite Belts districts.

For the rest of Thursday 5 November:

Severe Fire Danger is forecast for the following forecast districts:
Central Highlands and Coalfields, Maranoa and Warrego and Darling Downs and Granite Belt

The Rural Fire Service Queensland advises you to:
- Action your Bushfire Survival Plan now.
- Monitor the fire and weather situation through your local radio station,
https://urldefense.proofpoint.com/v2/url?u=http-3A__www.ruralfire.qld.gov.au&d=DwIBAg&c=tpTxelpKGw9ZbZ5Dlo0lybSxHDHIiYjksG4icXfalgk&r=N_7NOGdO_IYin9AWk6zXNF7jB2VkbjwqSdRSyE3_3G8&m=oy17rRmrsBnntlbzg_fEl606zFBZsF2rXMg5B6CbXoM&s=Ld25vqziDTBS3Ui-XPS1D1XZrxSlPNpAaYX8WjgzuFs&e= and https://urldefense.proofpoint.com/v2/url?u=http-3A__www.bom.gov.au&d=DwIBAg&c=tpTxelpKGw9ZbZ5Dlo0lybSxHDHIiYjksG4icXfalgk&r=N_7NOGdO_IYin9AWk6zXNF7jB2VkbjwqSdRSyE3_3G8&m=oy17rRmrsBnntlbzg_fEl606zFBZsF2rXMg5B6CbXoM&s=k7yspjqGR7f2S7Oo1iakWh6Y2-LvB98TS-fhpR66kSM&e= .
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No further warnings will be issued for this event, but the situation will continue to be monitored and further warnings issued if necessary.

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PATU Jane

From: Comms Operational User <aifsqld@bom.gov.au>
Sent: Thursday, 5 November 2020 8:46 AM
To: Fire Advice
Subject: BOM: Fire Weather Warning 1 (QLD) [SEC=OFFICIAL]

IDQ20035
Australian Government Bureau of Meteorology Queensland

Fire Weather Warning
for the Central Highlands and Coalfields, Maranoa and Warrego and Darling Downs and Granite Belt forecast districts.

Issued at 8:45 am EST on Thursday 5 November 2020.

Weather Situation
An approaching trough will produce dry, hot and windy conditions over southern and eastern interior parts of Queensland today. This will result in SEVERE fire dangers over the Central Highland and Coalfields, Maranoa and Warrego and Darling Downs and Granite Belts districts, locally EXTREME in the afternoon.

For the rest of Thursday 5 November:

Severe Fire Danger is forecast for the following forecast districts:
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- Action your Bushfire Survival Plan now.
- Monitor the fire and weather situation through your local radio station,
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No further warnings will be issued for this event, but the situation will continue to be monitored and further warnings issued if necessary.

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Internal Report (Not for Public Release)

Western Creek Fire Complex
Planned burns and wildfires from August to October 2020

Published on DES Disclosure Log Act 2009

Dan Beard
Technical Support
South West Region
December 2020

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Disclaimer – This document is for the information of QPWS fire managers and staff. It is intended to be used as a tool for decision making in planning fire management activities and not for release to other parties either public or private.

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Summary

As part of its obligations to manage State forests QPWS undertakes planned burns to reduce the risk to life and property, protect valuable stands of commercial timber and promote healthy ecosystem function.

This report aims to document the fire history of the western portion of Western Creek SF (Figure 1), during Spring 2020 and document recommendations to reduce the risk of similar wildfire outbreaks in future.

Initially, two large aerial burns were lit one week apart during favourable conditions on the 25/8/20 (Tinkers Ck) and the 1/9/20 (Bulli#2). While generally successful 15 days later the Vignoles (Cmpt 86) wildfire started on the 16/9/20. A week later the Bulli#2 wildfire began followed closely by the Vignoles (Cmpt 82) wildfire two days later. The Tinkers Creek wildfire commenced another two weeks later, on the 9/10/20 and then broke out a 2nd time on 5/11/20. This last escape triggered evacuations and resulted in significant impact to neighbouring properties. The final map showing the burn areas is below. See Figure 2.

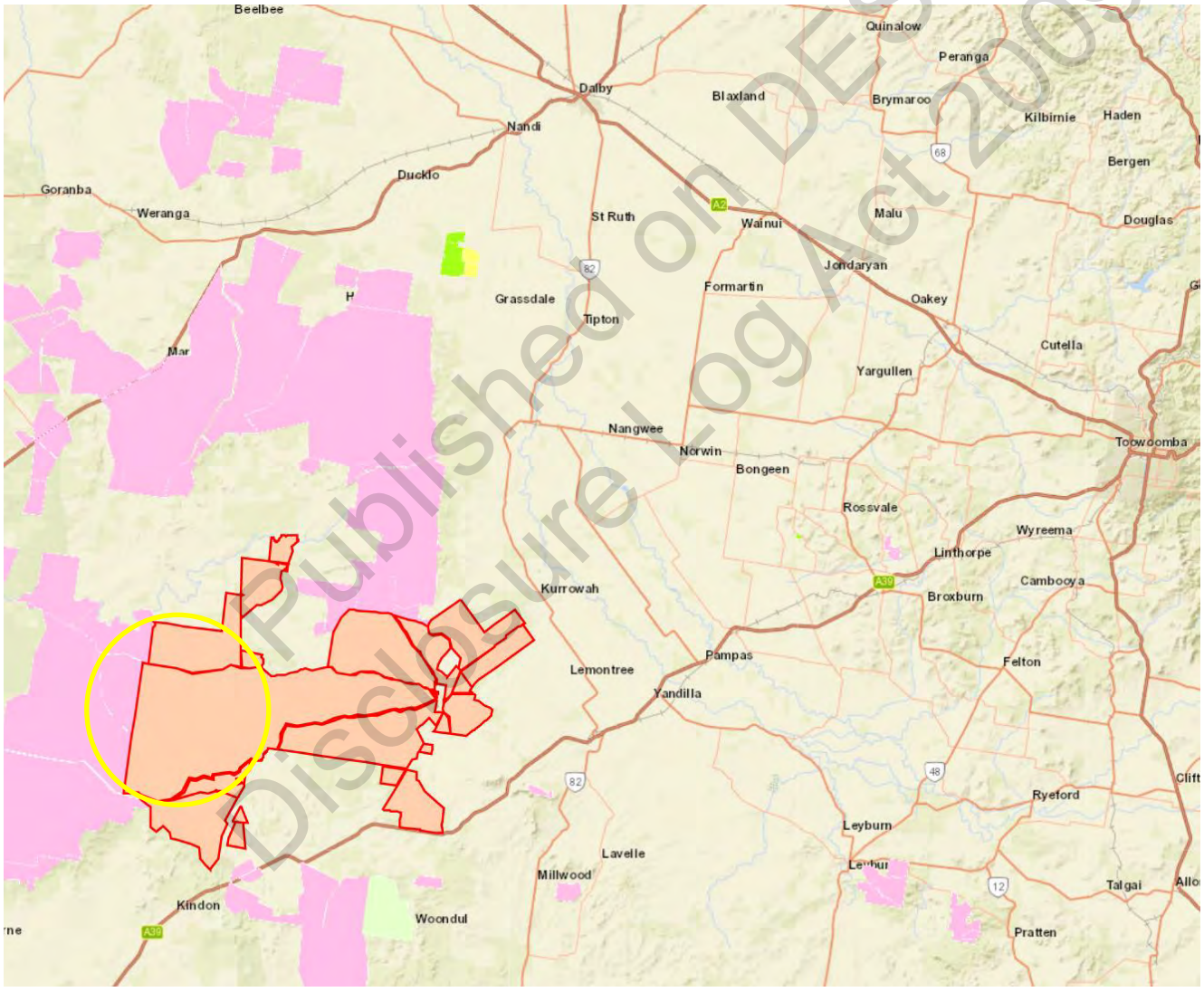

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Figure 1. Location of Western Creek SF

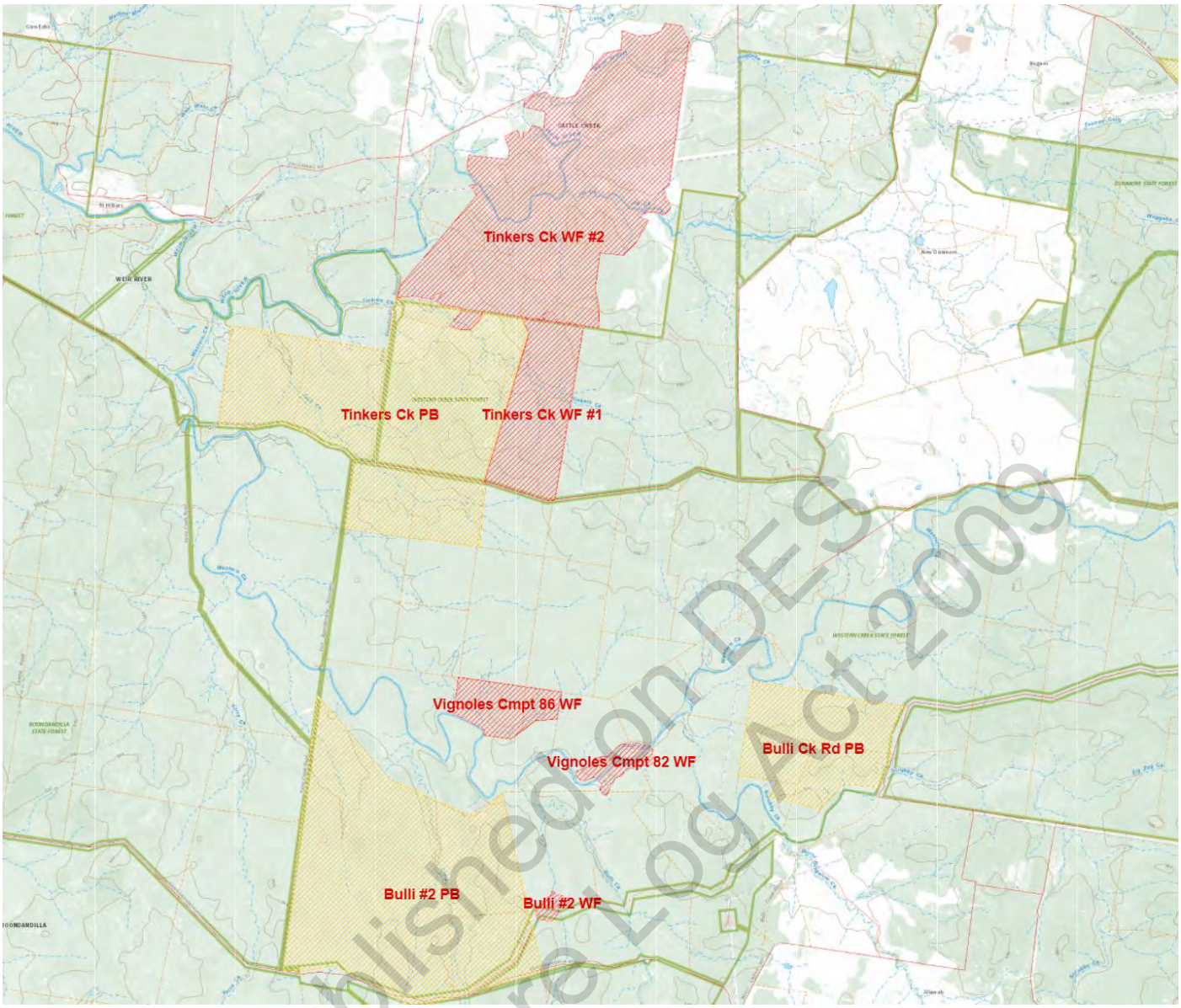

Figure 2. Western Creek fire complex – Burn Areas

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Weather

Between August 2020 and November 2020 conditions were in a drying trend typical for spring in the Western Downs. The Root Zone Soil Moisture (RZSM) is maintained by the BOM and it tracks available soil moisture in the top 1m of the soil profile. This shows that the RZSM declined from ~25% in late August to ~14% in mid October with no significant (>5mm) rain events recorded during this period. Based on the history at Dalby, the western downs 'should' experience a median spring rainfall of 145mm and BOM predictions were a 70% chance of above median rainfall. The nearby O'Connor BOM gauge recorded 22mm during spring which is a fraction of the rainfall that could reasonably be expected.

The Keetch Byram Drought Index (KBDI) at Dalby and Miles is also recorded at the times the planned burns were conducted and the wildfires occurred. These are not accurate for the locations in Western Creek but do provide a guide as to seasonal rainfall deficiencies across the Western Downs generally.

Spring weather patterns dominate with unstable warm north-westerlies ahead of a cold front with dry gusty south-westerly winds. While not as strong as the changes that occur in southern states these changes can lead to very high to extreme fire dangers.
Unless mentioned otherwise, observations used in this report are taken from Dalby which is approximately 80km to the north-east. While not likely to be exactly correct for the location of the fire the observations should approximate conditions.

The planned burns were lit during periods of favourable weather with the expectation of a normal season. The timing of the two planned burns is shown by the yellow arrows in Figure 3 The wildfires occurred following a significant decline in spring rainfall and timings are shown by the red arrows.

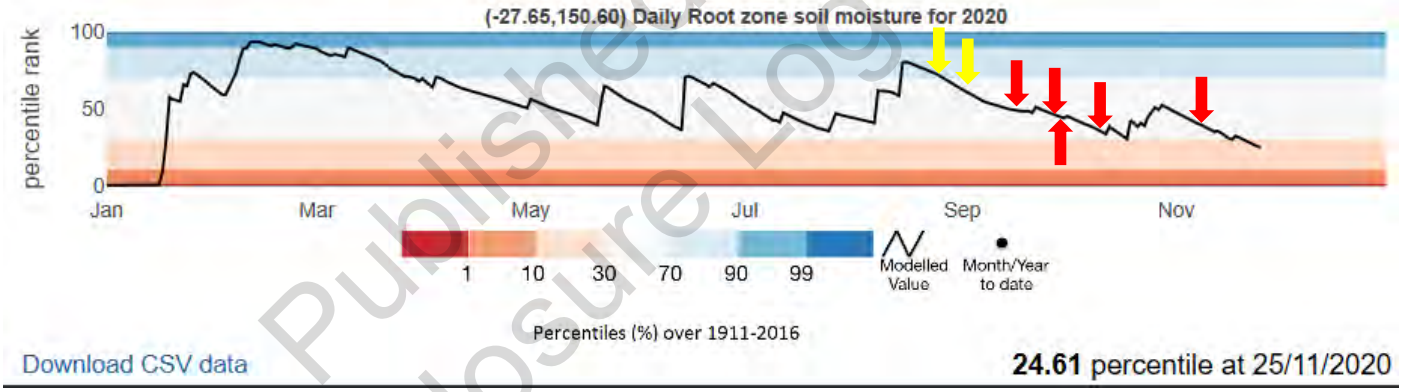

Figure 3. Relative Root zone soil moisture 2020 at Western Creek.

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Chronology of events and imagery

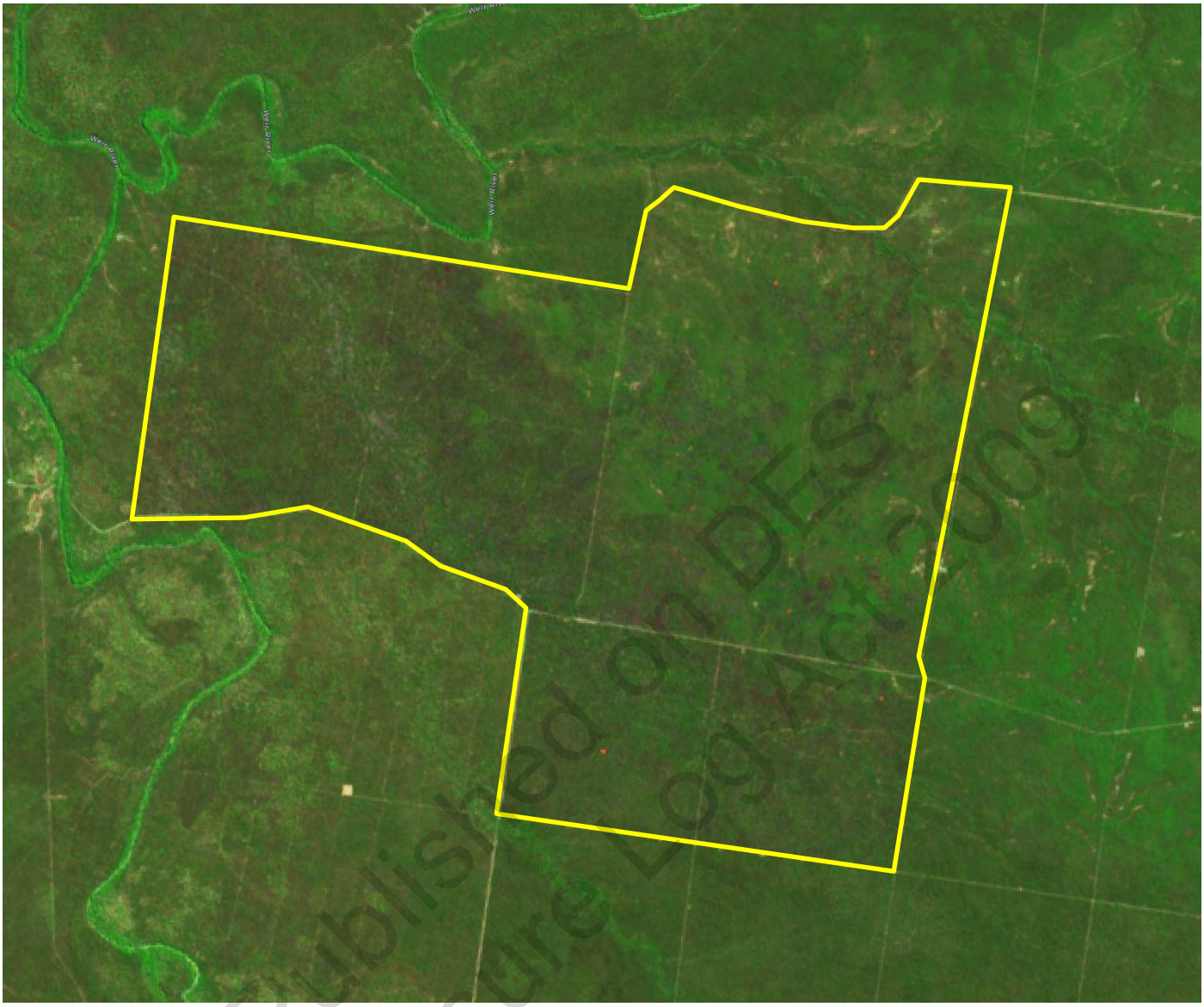

Figure 4. Tinkers Creek planned burn - Sentinel 2 image from 9/9/20

This burn was undertaken on the 25/8/20 and lit aerially using the fixed wing aircraft. Grid was 100x100m.

Weather (Dalby)

Wind SSW 15-20kph
Temp max 19 deg
RH min 21%
FFDI max 18
KDBI – 26/8/20 Dalby 106 Miles 113

Coverage in the south west of the burn area is good but the north east portion is very patchy with <50% coverage.

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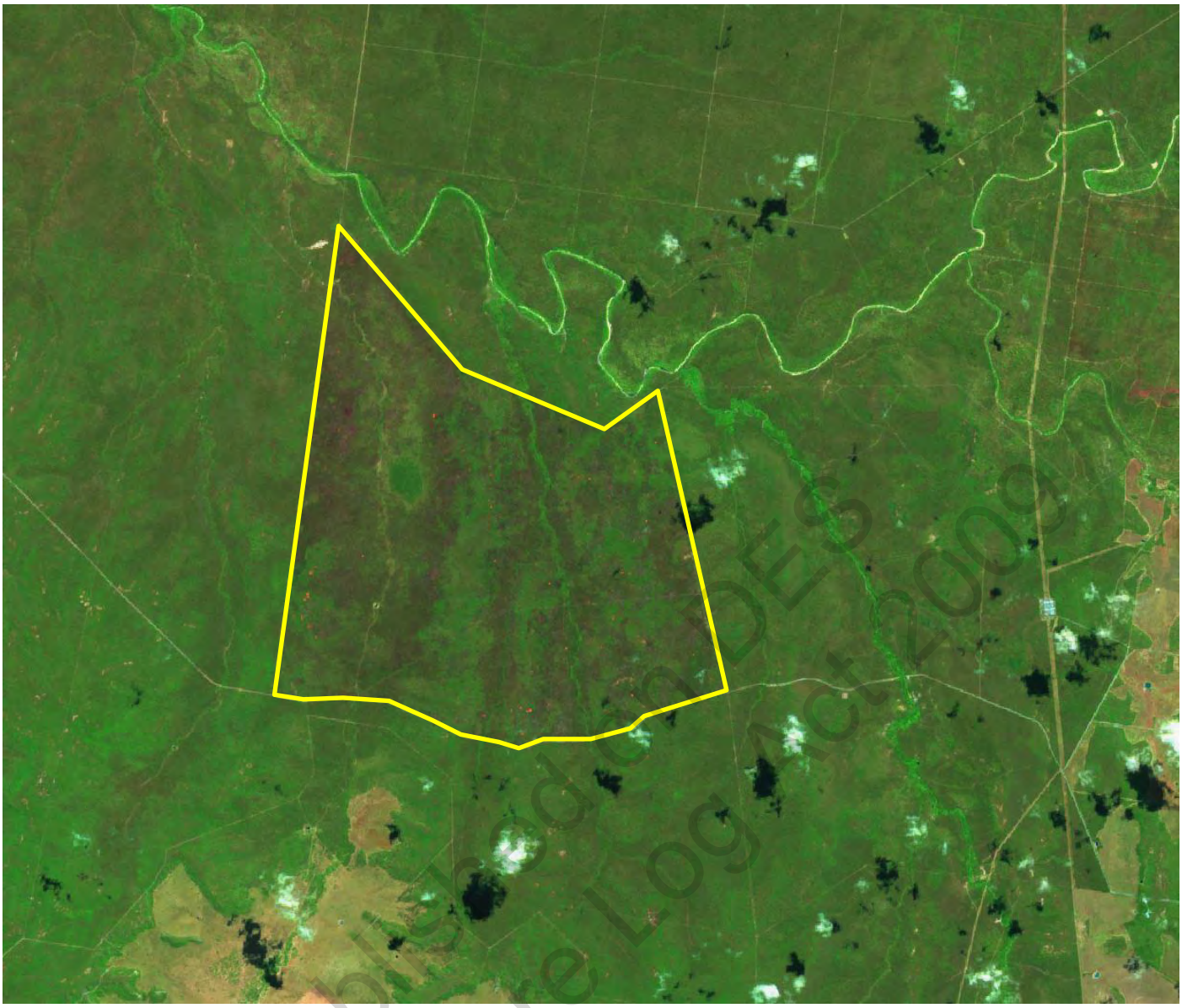

Figure 5. Bulli #2 planned burn - Sentinel 2 image from 6/9/20

This burn was undertaken on the 1/9/20 and lit aerially using the fixed wing aircraft. Grid was 100x100m.

Weather (Dalby)

Wind variable 10-15kph
Temp max 26 deg
RH min 15%
FFDI max 24
KBDI – 2/9/20 Dalby 111 Miles 117

Good coverage across the burn area 70-80%.

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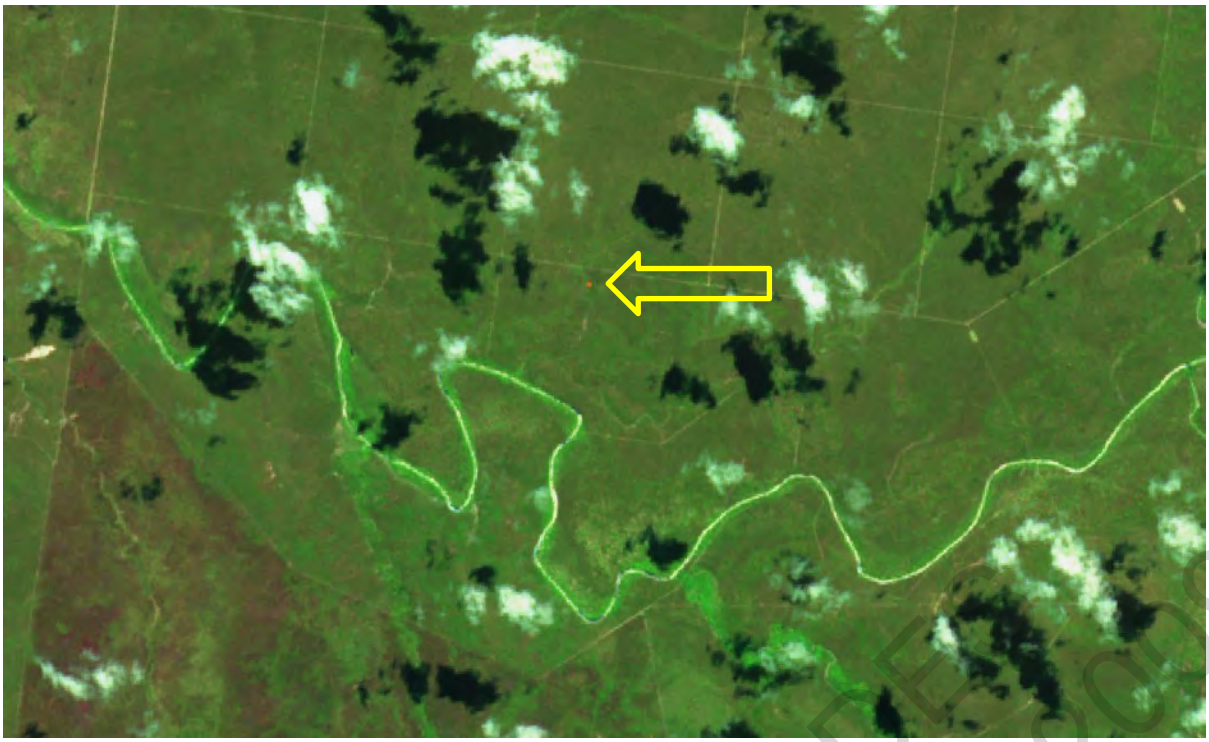

Figure 6. Vignoles compartment 86 wildfire - Sentinel 2 image from 16/9/20

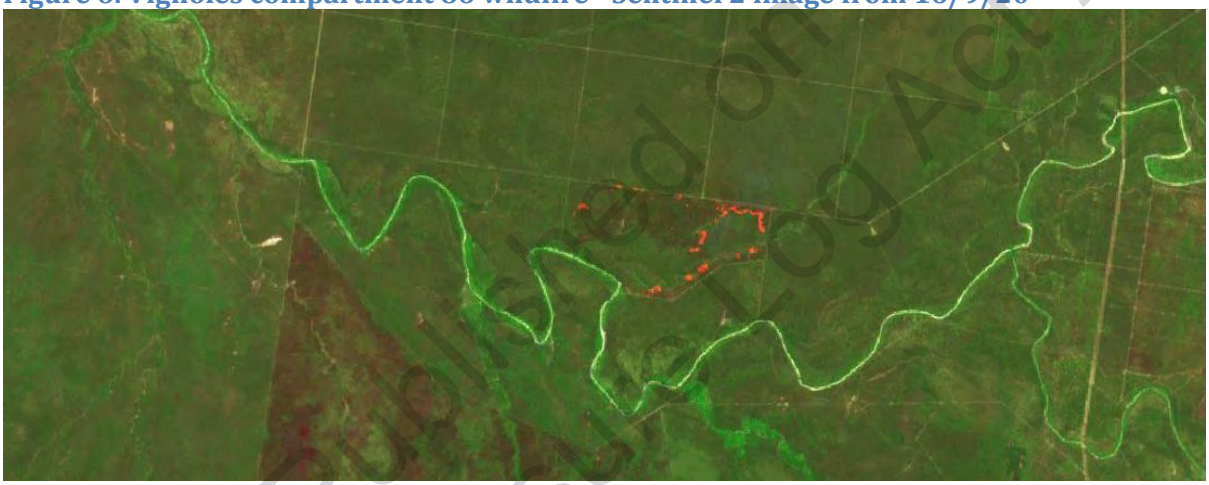

Figure 7. Vignoles compartment 86 wildfire - Sentinel 2 image from 24/9/20

This fire appears to have ignited before the 16/9/20 and spread from there, crews responded three days later and contained by burning out the compartment on the 24/9/20.

Weather 15-16th (Dalby)

Wind generally easterly 20-25kph.
Temp max 26 deg
RH min 22%
FFDI max 25
KBDI 16/9/20 Dalby 120 Miles 101

The origin of this fire is suspicious as there were no significant fire weather that may cause long distance spotting leading up to this ignition, there was no lightning recorded in the 7 days prior to this ignition. The point of origin was adjacent to an access track and fresh tracks were on the road before the fire was located. This area of origin was inspected by RIC Gary Hearle, SR Martin Ambrose and SR (Fire) Dan Beard on 21/10/20 but no cause was identified.

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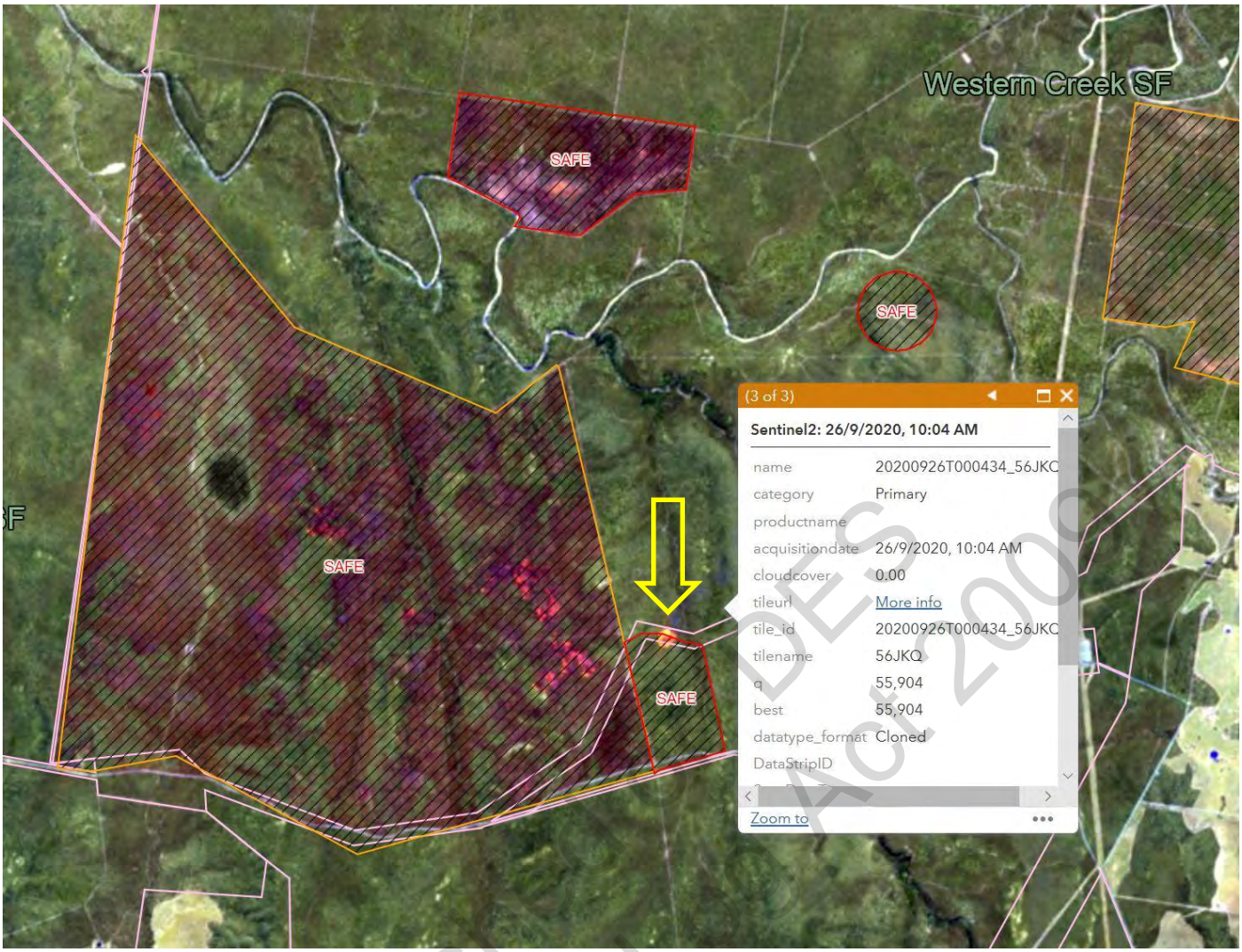

Figure 8. Bulli#2 wildfire - Sentinel 2 (Burnview) image from 26/9/20

This fire appears to have ignited before the 26/9/20 and spread to the NE in SW winds, crews responded and the fire was contained by direct attack in the evening using a dozer to flank the fire.

Weather 25-26th (Dalby)

Wind NW to 40kph (60kph gusts) on 25/9/20 followed by SW to 40kph (50kph gusts) on 26/9/20.
Temp max 30 deg
RH min 12%
FFDI max 52 (severe)
KBDI 23/9/20 Dalby 127 Miles 108

In Figure 8., active fire can be seen approximately 1km to the west of the wildfire. During these conditions there is high spotting potential (between 0.8 at 5t/Ha and 2.8km at 15t/Ha according to the McArthur Mark 5 fire spread meter and it is most likely that this fire originated from a spot fire from a relight in the Bulli#2 planned burn.

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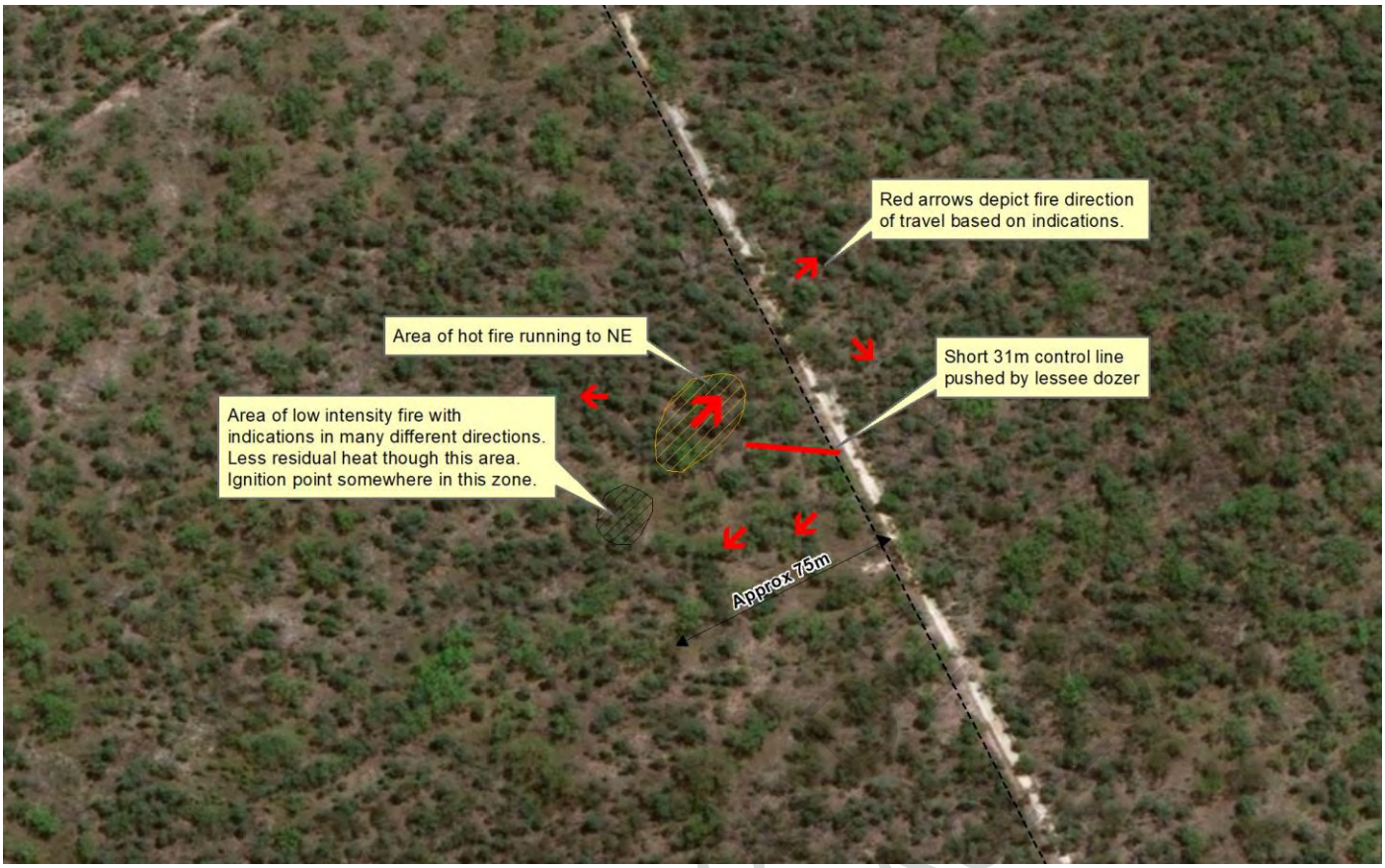

Figure 9. Vignoles Cmpt 82 wildfire – Sketch from notes taken on 29/9/20

This fire appears to have ignited on the 25th or 26th of September and spread to the NE in SW winds. The fire was initially detected by the lessee around 1400 hours on the 26th and he attempted to control using an open cab loader. He reported that the fire was quite small 20-30m long but by the time he returned with the loader the fire had escalated and while he started to contain by direct attack along the flank he abandoned this and pulled back to safety. QPWS crews responded shortly after and the fire was contained by direct attack in the evening using a dozer to flank the fire.

Weather 25-26th (Dalby)

Wind NW to 40kph (60kph gusts) on 25th followed by SW to 40kph (50kph gusts) on 26th.
Temp max 30 deg
RH min 12%
FFDI max 52 (severe)
KBDI 23/9/20 Dalby 127 Miles 108

The origin of this fire is unknown but suspicious. This is possible that long distance spotting in the from the Cmpt 86 wildfire could have occurred on Friday 25/9 when there was a high spotting potential of between 0.8km and 2.8km according to McArthur and there was *E. chlorocada* (with ribbon bark fuels and high spotting potential) in the Cmpt 86 burn area. However, this spotting would have to be more than 3km and a single spot-fire only. This spot-fire source of ignition is considered unlikely given other spotfires were not detected in the area. The point of origin was adjacent to an access track and fresh tracks were on the road before the fire was located but this can be attributed to the lessee.

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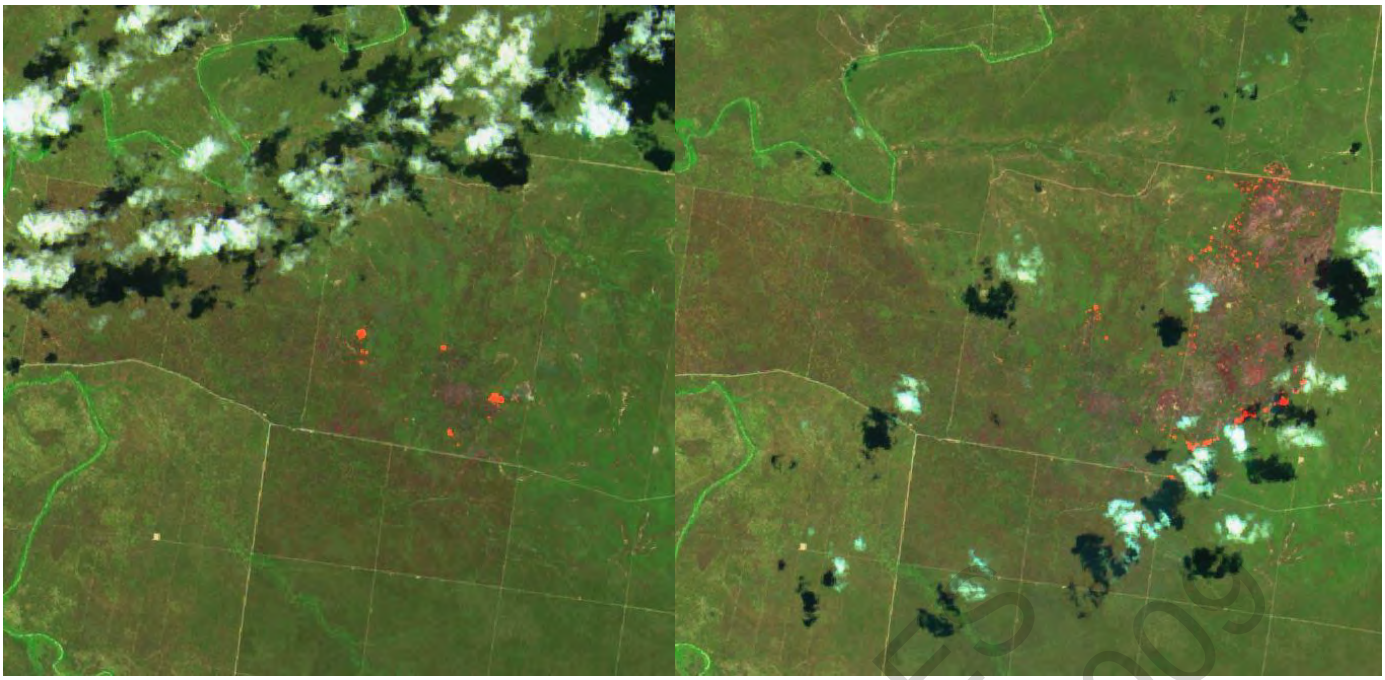

Figure 10. Tinkers #1 wildfire – S2 images from 9/10/20 (left) and 11/10/20 (right)

This fire has ignited internally within the original planned burn area during very high fire dangers and burnt out to the east on the 9/10/20 across the narrow eastern fire control line. The fire burnt at high intensity and spotted across the wide northern boundary break into the neighbouring property. Crews liaised with neighbour and controlled spot-over by direct attack using a dozer. The rest of the cmpt was burnt out on the 11/10/20 in milder conditions.

Weather 09th – 11thth (Dalby)

Wind SW to 30kph (40kph gusts) on 9th and 10th followed by E winds on 11th with more moderate conditions.
Temp max 32 deg
RH min 6%
FFDI max 42 (very high)
KBDI 7/10/20 Dalby 137 Miles 120

In Figure 10 (left) fire is seen to have relit in several places within the original burn area. This fire has burnt along a corridor of unburnt fuel toward the eastern break and appears to have spotted across. The cause of this fire is almost certainly a relight approximately six weeks after the planned burn. Between the 20/10/20 and 25/10/20 approximately 20mm was recorded across the fireground and the fire was marked as safe and out on 26/10/20 at 1138hrs.

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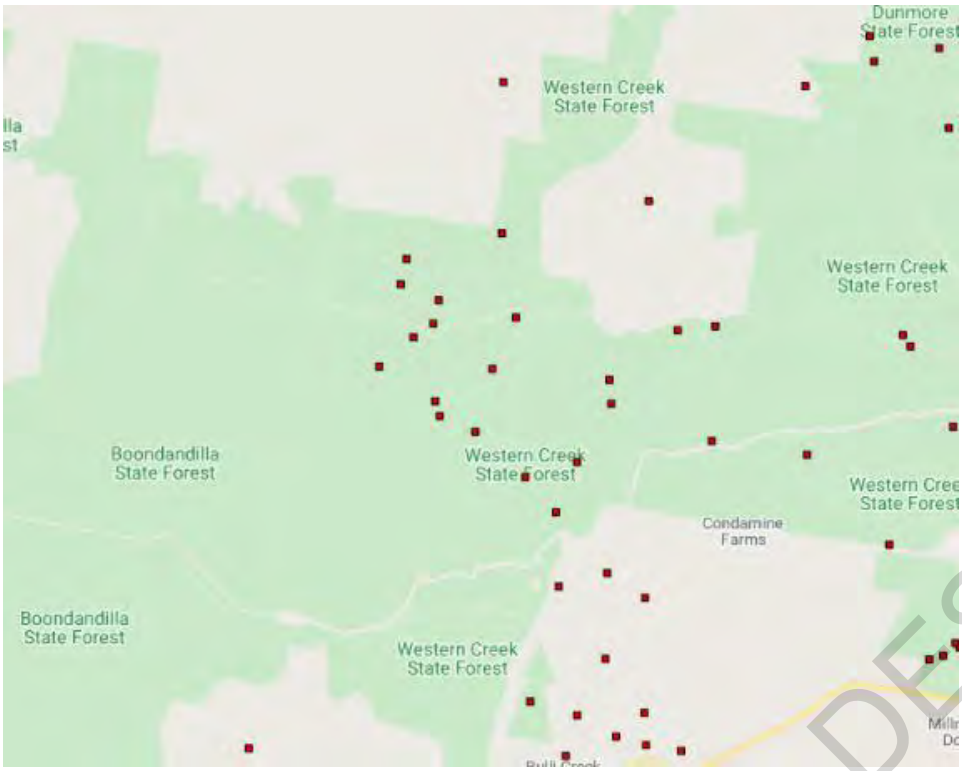

Figure 11. Tinkers #2 wildfire – Lightning recorded 27/10/20 from Firewatch Pro

Numerous lightning strikes were recorded in the area overnight of the 26/10/20 and this is a possible source of ignition. Statistically, lightning is the leading cause of ignition of wildfires in SWR.

Figure 12. Tinkers #2 wildfire – Spread following ignition - VIIRS Thermal Imagery

In the images above sourced through Firewatch Pro, a heat source can be seen in the left image from 30/10/20 at 1133hrs just north of the Shingle Hut Rd. That same night at 2247hrs a new heat source appears further north In the middle of the block. In the right image the original source has diminished but a strong heat return is coming from the fire to the north at 2353 on the 1/11/20. This is the first sign of the fire that goes on to become the Tinkers #2 wildfire.

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Figure 13. Tinkers #2 wildfire – S2 imagery prior to escape

The two images above are from the morning of the 3/11/20 and 5/11/20 (right). This image from the 5th is taken only a few hours before the extreme conditions impacted and the fire left estate.

Thu 18:00 EST	SW	43	56	28.5	9.7	20.2	31	30	0.0	0.0	1009.1
Thu 17:50 EST	SW	46	54	29.0	9.2	19.8	29	36	0.0	-	1008.6
Thu 17:49 EST	SW	37	56	29.1	9.3	21.7	29	29	0.0	0.0	1008.7
Thu 17:40 EST	SW	41	46	29.8	9.3	21.7	28	33	0.0	-	1008.4
Thu 17:30 EST	SW	41	54	30.7	8.4	22.4	25	38	0.0	0.0	1008.0
Thu 17:20 EST	SW	46	56	31.7	7.4	22.1	22	50	0.0	-	1007.6
Thu 17:10 EST	WSW	39	46	32.5	3.5	23.5	16	53	0.0	-	1007.3
Thu 17:00 EST	WSW	44	63	33.1	3.0	23.0	15	64	0.0	0.0	1007.1
Thu 16:50 EST	WSW	43	48	33.4	2.3	23.5	14	64	0.0	-	1006.9
Thu 16:40 EST	WSW	35	43	34.3	1.9	25.8	13	58	0.0	-	1006.7
Thu 16:30 EST	WSW	41	59	34.3	0.8	24.5	12	68	0.0	0.0	1006.6
Thu 16:20 EST	WSW	37	41	34.6	-0.1	25.4	11	65	0.0	-	1006.5
Thu 16:10 EST	WSW	44	50	35.1	0.2	24.5	11	78	0.0	-	1006.3
Thu 16:00 EST	WSW	43	61	35.3	-0.9	24.9	10	78	0.0	0.0	1006.2
Thu 15:50 EST	W	44	52	35.5	-0.8	24.8	10	82	0.0	-	1006.2
Thu 15:40 EST	WSW	33	39	35.7	-0.6	27.1	10	64	0.0	-	1006.2
Thu 15:30 EST	W	44	72	36.3	-0.2	25.6	10	84	0.0	0.0	1006.0
Thu 15:20 EST	W	30	37	35.5	0.6	27.8	11	56	0.0	-	1005.8
Thu 15:10 EST	W	57	74	35.8	2.0	23.0	12	105	0.0	-	1005.6
Thu 15:00 EST	W	39	59	35.7	1.9	26.4	12	68	0.0	0.0	1005.9
Thu 14:50 EST	WSW	54	63	35.9	0.9	23.6	11	100	0.0	-	1005.8
Thu 14:45 EST	WSW	35	63	36.1	1.0	27.4	11	66	0.0	0.0	1005.9
Thu 14:40 EST	WSW	37	44	35.0	1.4	26.0	12	64	0.0	-	1005.9
Thu 14:30 EST	WSW	31	44	35.4	3.9	27.9	14	53	0.0	0.0	1006.1
Thu 14:20 EST	WSW	37	43	35.3	2.7	26.5	13	62	0.0	-	1006.3
Thu 14:11 EST	W	33	52	36.0	4.3	28.2	14	56	0.0	0.0	1006.4
Thu 14:10 EST	WSW	35	41	35.3	3.8	27.1	14	58	0.0	-	1006.4
Thu 14:00 EST	W	41	52	34.6	4.2	25.4	15	62	0.0	0.0	1006.6
Thu 13:53 EST	WSW	37	56	35.8	5.1	27.5	15	59	0.0	0.0	1006.7
Thu 13:50 EST	WSW	37	44	35.8	5.1	27.5	15	59	0.0	-	1006.7
Thu 13:40 EST	WSW	22	31	35.3	6.6	30.2	17	38	0.0	-	1006.8
Thu 13:30 EST	W	39	46	34.7	6.1	26.2	17	55	0.0	0.0	1007.1
Thu 13:20 EST	WNW	43	48	35.2	5.6	25.9	16	63	0.0	-	1007.2
Thu 13:10 EST	W	43	48	35.3	6.6	26.2	17	61	0.0	-	1007.3
Thu 13:08 EST	W	31	56	36.3	7.4	29.6	17	49	0.0	0.0	1007.3
Thu 13:00 EST	WNW	30	46	35.9	7.9	29.6	18	45	0.0	0.0	1007.4

Figure 14 - Weather 5th (Dalby)

Wind SW to 50kph (70kph gusts).
Temp max 36 deg
RH min 11%
FFDI max 105 (catastrophic)
KBDI 4/11/20 Dalby 130 Miles 126

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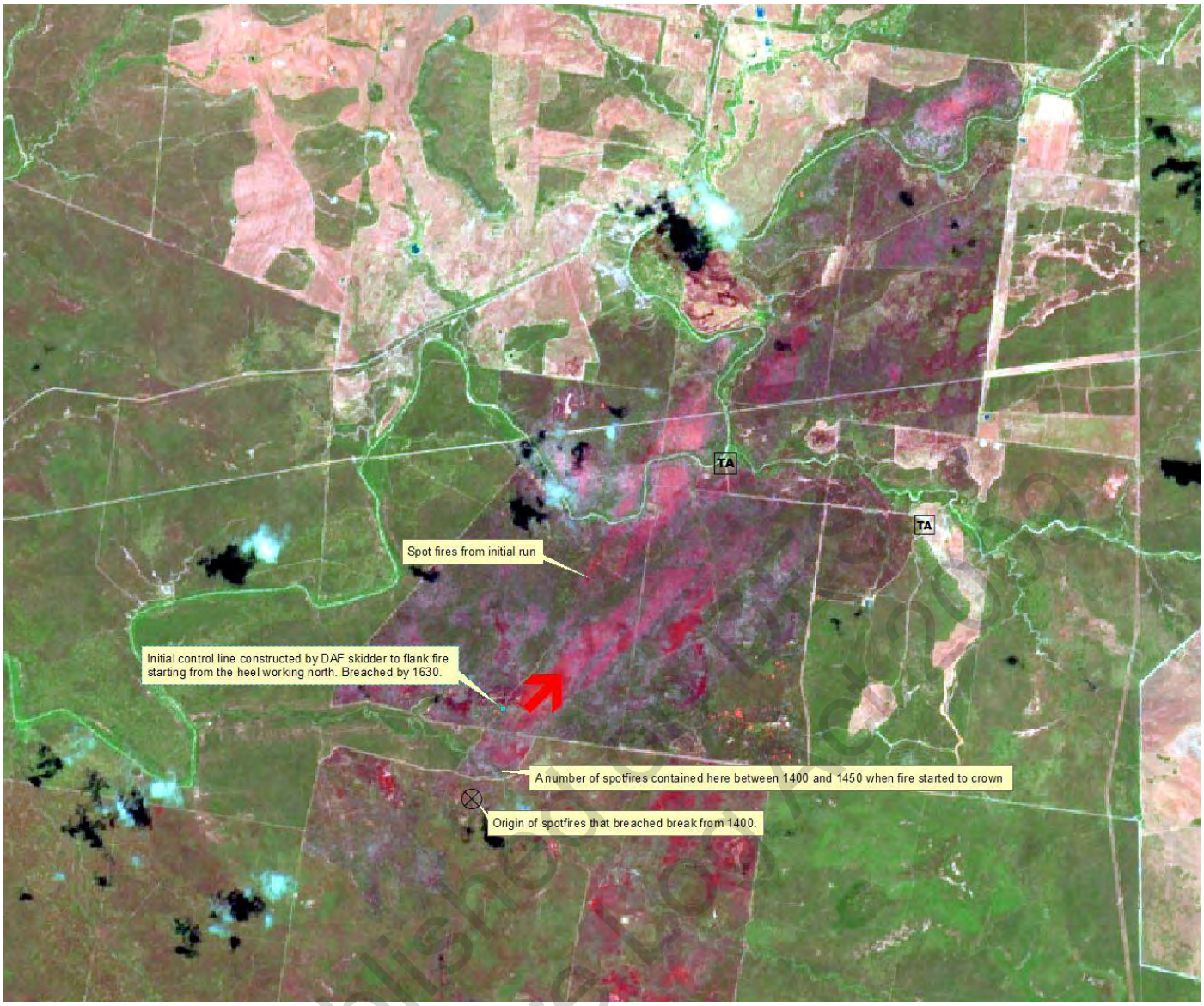

Figure 15. Tinkers #2 wildfire – S2 imagery 10/11/20 - Final Burn Area

The last image shows the final burn area of the Tinkers #2 wildfire that was renamed the O'Connor Rd fire. Relevant notes have been added to the image including the Threatened Assets (TA) on the property to the north. These properties were deemed as undefendable by QFES during the response. The ROS was initially estimated at 1.5kph but the air mapping shows it had run ~6.5km in three hours. To put this in perspective McArthur rate of spread calculator indicates 25t/Ha fuel loads sustained at FFDI 75 (Extreme) to obtain this ROS.

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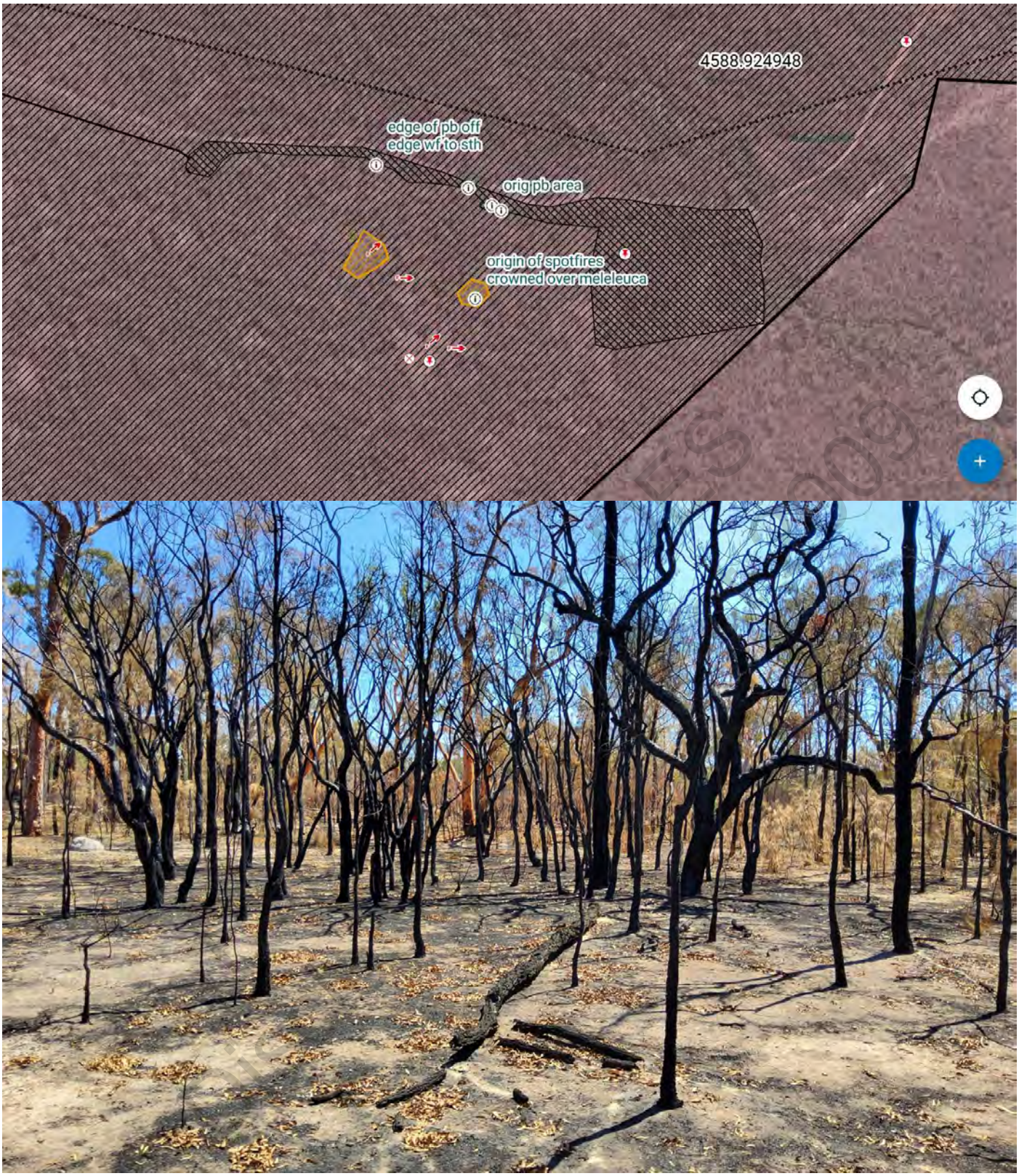

Figure 16. Tinkers #2 wildfire – Post fire inspection 2/12/2020

The above map shows the solid black line to the west where the backburn was attempted on the 4/11/20 and the black cross hatching shows the area burnt in the original planned burn. As can be seen clearly the planned burn only penetrated between 5-20m into the block in the areas where the spotfires originated from. The melaleuca (paperbark) area in the photograph is the probable origin of the many spotfires. As can be seen it burnt with very high to extreme severity and other areas of melaleucas mapped to the west did not burn with such intensity.

Tinkers Ck Discussion

There is a belief that fire managers pushed later to burn more country in Spring 2020 based on the forecast of above median rainfall predictions and the La Nina alert that had been issued. This did not occur, and this was partly due to the QPWS Fire Risk Period being declared on 1/9/20. Both the Tinkers Ck and Bulli 2 aerial planned burns were completed in August which is in line with traditional cypress 'forestry' guidelines.

Burn plans are generally approved with a maximum KBDI of 120. While within this requirement, KBDI's at Western Creek for both planned burns were close to this maximum. It is important to note that the KBDI's in Dalby and Miles had never returned to zero (reset) after the 2018-2019 prolonged drought. While not a QPWS requirement other land management agencies in Australia do have a requirement for the KBDI to be reset before broadscale planned burning can be undertaken. Research has shown that during KBDI's over 100 coarse woody debris such as are more likely to continue burning and increase the risk of relights.

Weather plays a large role in any significant fire event and in this case there was significantly reduced spring rainfall combining with extreme conditions that was not anticipated. On Thursday the 5th November crews were expecting fire danger to peak at 54 (severe) and observations on the ground were consistent with the Beaufort force 6 or 7 winds shown at the Dalby weather station. FFDI peaked at over 100 but was sustained at Extreme levels for several hours.

The percentages burnt in both blocks were slightly lower than would be desirable for burning in spring but in both burn blocks was 70-80% overall. This is in line with the percentages in the burn plan which were 75% in Tinkers Ck and 70% for Bulli#2. However, this figure was significantly lower in the NE of the Tinkers Ck where the percentage burnt was ~50%. This created corridors of unburnt fuels on the north and eastern side which was also a significant contributor to the escape.

On the northern boundary of Tinkers Creek burn areas there were significant areas of *Aristida sp.* (fairy grass) adjacent to the northern break. These would not burn during the planned burn and did not burnt during subsequent attempts in the weeks after the burn. On the 4th November recognising the risk of an escape crews responded and again attempted to burn out these patches ahead of the severe weather expected the next day. Despite multiple drip torch lines and favourable northerly winds the fire would not carry into the burn area. This left a corridor of unburnt fuel leading to volatile melaleucas near the creek which is from where the multiple spot-overs are believed to have originated from.

While QPWS managed estate has a long history of broadscale hazard reduction burns, many of our neighbours do not undertake any activities to mitigate the risks of wildfire on the land that they manage. The fuel loads on neighbouring lands adjoining Tinkers Ck were assessed during the wildfire as very high to extreme fuel hazard and 20-30t per hectare fuel loads were used for planning purposes. sch4p4(6) Personal information confirmed that there had been no fire on the freehold for at least 30 years. While freehold neighbours were included as part of the risk planning process the long unburnt nature of the fuels there was not identified.

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Recommendations

Recommendations made below are not policy and should not be considered as such. They are designed as food for thought for incident managers rather than criticism.

1. Direct attack where possible be considered in preference to indirect attack to contain fires when severe fire dangers are anticipated. In this instance, crews repeatedly tried to burn out these weak areas of *Aristida sp.* without success using these indirect tactics. When this was not successful direct tactics should have been considered.
2. Fire managers should make better use of drones and satellite imagery before assessing burns as safe. In hindsight, the corridors of unburnt fuels could have been identified and managed prior to the onset of the severe fire weather in November.
3. When conducting planned burns on the boundaries of our managed estate, any exposures including long unburnt areas particularly to the north and east of the planned burn should be identified and included in the analysis of specific risks. With hindsight, identification of these exposures could have led to better management of the risks.
4. QPWS is an active participant in Area Fire Management Group meetings. QPWS should highlight areas of long unburnt fuel adjacent to our estate on neighbouring properties though this process. QPWS currently only includes risk areas on QPWS managed estate.
5. When planned burns 'escape' and become a wildfire, a 'fire investigation' and a 'fire operations and performance assessment' should be carried out by trained fire investigators to properly determine the 'origin and cause' of the wildfire and assess compliance with policy.

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Attachment 1. Tinkers Ck and Bulli#2 Burn Plans

Office Use Only	
Red flag burn	No
Burn Plan priority code:	High
FLAME Burn Plan ID:	13284029
Report Status:	Approved
Version:	1
Version Date:	13/03/2020

Queensland Parks and Wildlife Service

Burn Plan

Please refer to the detailed instructions at the end of this form

1. **Burn Plan number:** Western Creek State Forest/P/2020/001 **2. Date entered:** Mar 13 2020 12:00AM

3. **Burn Plan prepared by:** Gary Hearle

4. **Fire Name:** Western Creek Rd

Region: South West

Area (subregion): Western Creek State Forest

Management Unit (SR): Eastern Downs

Work Unit (RIC): Southern Downs

Estate: Western Creek State Forest

Section/General location: western Creek Rd and Boondandilla bouundary
(e.g. section, FMA or a brief description of locality)

Reliability code: 0 - Indicative only

Reliability comment: based on Flame mapping

5. **Ignition tactics proposed:** Ground-based and Aerial

6. **Who has primary responsibility to conduct this burn** (*refer to Authority Holder burn plan):

QPWS

Contact person for this burn (person responsible for this burn):

Name: Gary Hearle

Organisation: DES

Address: 30 Nicholson Rd

Phone: 45318523

7. **Fire Management Zone/s:** Land Management Zone

8. **Burn Plan area (total) (ha):** 2831.9 **9. Proportion of area expected to be burnt (%):** 75

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10. What is/are the purpose/s of this burn?

Hazard Reduction

11. Priorities:

Is this a red flag burn: 0

What is the burn plan priority code: High

12. Desired outcomes of this burn for each µFire Management Zone:

(Note: a fire management zone includes sub-zone/s, fire regime group/s and fire vegetation groups that replace a Fire Association)

Fire Management Zone:	Approx % of Area Burnt occupied by this FMZ	Proposed Fire severity	Management issue/s being addressed	Measurable objectives &/or indicators	How to be assessed
Land Management Sustainable Production	98.40	Moderate	Hazard reduction (fuel management) burns	Reduce overall fuel hazard to low or moderate. Or Reduce fuel load to < 5 tonnes/ha.	Post fire: use the Overall Fuel Hazard Assessment Guide (Hines et al. 2010b). Or Step 5 of the QPWS Planned Burn Guidelines: How to Assess if Your Burn is Ready to Go, to visually assess the remaining fuel in at least three locations.

13. Burn conditions: (refer to planned burn guidelines)

Month/s		Wind speed km/h (range)		Wind direction (range)	Temp °C (range)		Relative humidity % (range)		Drought Index KBDI (range)		Grass % curing (range) (if applicable)		Ignition time (range)	FDI		Other (e.g. soil moisture, dewpoint, fuel load)
Start	End	Min	Max	WIND DIR	Min	Max	Min	Max	Min	Max	Min	Max	IGN TIME	Min	Max	
April	August	5	20	ANY	18	25	20	50					any	0	12	

14. Details of operational strategies for this burn (relate to ³Burn Plan map´

IC to determine at time of ignition
consider combining with Southern Downs Boondandilla burn for aerial

15. Estimated resources required for this burn

Item		Source	Unit of Measure	Amount Required	Cost Rate ($)	Costs($)
Personnel	QPWS staff	Dalby	Standard Hours	180	20.25	3645
	Other staff	other centres	Standard Hours	100	20.25	2025
	Non-departmental	DAFF	Standard Hours			
Allowances	Travel	planned burn funding	Total Cost	10	337	3370
	Other		Total Cost			0.00
Equipment	Internal - plant/equipment	Dalby		40	85	3400
	Leased/hired heavy plant					0.00
	Additional plant/equipment hire					0.00
Vehicles / aircraft	QFleet vehicle usage	Dalby + 2	Days	20	69.00	1380

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	Aircraft hire	contractor	Total Cost	3	775	2325
Vehicles / aircraft	Helicopter hire		Total Cost			0.00
Materials & Consumables	Fuels / Oils		Total Cost			
	Foam		Total Cost			
	Incendiaries		Total Cost	2831		2831
	Other		Total Cost			
					Total:	18976.00

16. Analysis of risks particular to this burn:

Risk to:	**Nature of risk**	**Minimised by and contingency issues highlighted:**
Personnel involved in the burn		
Other users of the reserve	western creek- boondandilla Rd	signage, close Rd during burn
Neighbouring life & property	freehold to north	ensure notified and our breaks upgraded
Natural & cultural resources		
Park infrastructure		
Smoke hazard		
Other		

17. Pre-burn contact list (attach additional pre-burn contact list if required)

Type of Contact	**Name**	**Address**	**Telephone**	**Comments**
Fire Warden	Dunmore		4(6) Personal inforr	
Other Agencies	DAFF, TMR, TRC			DAFF PARTICIPATE, others because of road
Native Title Holder				
Burn area users	apiarists, logging			DAFF to notify
Neighbours	freehold			freehold neighbour to north th be contacted tbc
Other				

18. Burn Plan map/s:

19. Burn Plan approved:

Approved by: Brett Roberts

Comments:

Date approved: 8/04/2020

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Office Use Only	
Red flag burn	No
Burn Plan priority code:	High
FLAME Burn Plan ID:	13255733
Report Status:	Approved
Version:	1
Version Date:	21/01/2019

Queensland Parks and Wildlife Service

Burn Plan

Please refer to the detailed instructions at the end of this form

1. **Burn Plan number:** Western Creek State Forest/P/2019/001 **2. Date entered:** Jan 21 2019 12:00AM **3.**

Burn Plan prepared by: Gary Hearle

4. **Fire Name:** Bulli #2

Region: South West

Area (subregion): Western Creek State Forest

Management Unit (SR): Eastern Downs

Work Unit (RIC): Southern Downs

Estate: Western Creek State Forest

Section/General location: South West corner of Western Creek SF with western burn boundary against Boondandilla SF
(e.g. section, FMA or a brief description of locality)

Reliability code: 0 - Indicative only

Reliability comment: Based on Flame mapping

5. **Ignition tactics proposed:** Aerial

6. **Who has primary responsibility to conduct this burn** (*refer to Authority Holder burn plan):

QPWS

Contact person for this burn (person responsible for this burn):

Name: Martin Ambrose

Organisation: QPWS

Address:

Phone: 45318523

7. **Fire Management Zone/s:** Land Management Zone

8. **Burn Plan area (total) (ha):** 4566.1 **9. Proportion of area expected to be burnt (%):** 70

10. What is/are the purpose/s of this burn?

Hazard Reduction

11. Priorities:
Is this a red flag burn: 0

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What is the burn plan priority code: High

12. Desired outcomes of this burn for each μFire Management Zone:

(Note: a fire management zone includes sub-zone/s, fire regime group/s and fire vegetation groups that replace a Fire Association)

Fire Management Zone:	Approx % of Area Burnt occupied by this FMZ	Proposed Fire severity	Management issue/s being addressed	Measurable objectives &/or indicators	How to be assessed
Eucalypt forest and woodland	0.20	Moderate	Hazard reduction (fuel management) burns	Reduce overall fuel hazard to low or moderate. Or Reduce fuel load to < 5 tonnes/ha.	Post fire: use the Overall Fuel Hazard Assessment Guide (Hines et al. 2010b). Or Step 5 of the QPWS Planned Burn Guidelines: How to Assess if Your Burn is Ready to Go, to visually assess the remaining fuel in at least three locations.
Cypress and bull oak communities	1.30	Moderate	White cypress pine production forests	Reduce overall fuel hazard to low. Or Reduce fuel load to < 5 tonnes/ha.	After the burn: use the Overall Fuel Hazard Assessment Guide (Hines et al. 2010b). Or Step 5 of the QPWS Planned Burn Guidelines: How to Assess if Your Burn is Ready to Go, to visually assess the remaining fuel in at least three locations.
Cypress and bull oak communities	1.30	Moderate	Hazard reduction (fuel management) burns	Reduce overall fuel hazard to low or moderate. Or Reduce fuel load to < 5 tonnes/ha.	Post fire: use the Overall Fuel Hazard Assessment Guide (Hines et al. 2010b). Or Step 5 of the QPWS Planned Burn Guidelines: How to Assess if Your Burn is Ready to Go, to visually assess the remaining fuel in at least three locations.
Acacia communities	0.10	Moderate	Burn adjacent fire-adapted communities to maintain health of acacia communities	Minimal scorching or penetration of mature acacia tree edge.	After the burn (immediately-very soon after): visual estimation of percentage of margins scorched ± from one or more vantage points, or from the air. OR After the burn (immediately-very soon after): walk the margin of the FVG or representative sections (e.g. a 100m long section of the margin in three locations) and estimate the percentage of margin scorched.
Acacia communities	0.10	Moderate	Hazard reduction (fuel management) burns	Reduce overall fuel hazard to low or moderate. Or Reduce fuel load to < 5 tonnes/ha.	Post fire: use the Overall Fuel Hazard Assessment Guide (Hines et al. 2010b). Or Step 5 of the QPWS Planned Burn Guidelines: How to Assess if Your Burn is Ready to Go, to visually assess the remaining fuel in at least three locations.
Land Management Special	1.00	Moderate	Hazard reduction (fuel management) burns	Reduce overall fuel hazard to low or moderate. Or Reduce fuel load to < 5 tonnes/ha.	Post fire: use the Overall Fuel Hazard Assessment Guide (Hines et al. 2010b). Or Step 5 of the QPWS Planned Burn Guidelines: How to Assess if Your Burn is Ready to Go, to visually assess the remaining fuel in at least three locations.

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Land Management Sustainable Production	98.20	Moderate	Hazard reduction (fuel management) burns	Reduce overall fuel hazard to low or moderate. Or Reduce fuel load to < 5 tonnes/ha.	Post fire: use the Overall Fuel Hazard Assessment Guide (Hines et al. 2010b). Or Step 5 of the QPWS Planned Burn Guidelines: How to Assess if Your Burn is Ready to Go, to visually assess the remaining fuel in at least three locations.

13. Burn conditions: (refer to planned burn guidelines)

Month/s		Wind speed km/h (range)		Wind direction (range)	Temp °C (range)		Relative humidity % (range)		Drought Index KBDI (range)		Grass % curing (range) (if applicable)		Ignition time (range)	FDI		Other (e.g. soil moisture, dewpoint, fuel load)
Start	End	Min	Max	WIND DIR	Min	Max	Min	Max	Min	Max	Min	Max	IGN TIME	Min	Max	
April	August	0	20	ANY	18	25	20	50					ANY	0	12	Requires council non objection to burn on council roadside.

14. Details of operational strategies for this burn (relate to ³Burn Plan map´

IC to determine tactics at time of ignition

15. Estimated resources required for this burn

Item		Source	Unit of Measure	Amount Required	Cost Rate ($)	Costs($)
Personnel	QPWS staff	Dalby	Standard Hours	200	20.25	4050
	Other staff	to be determined	Standard Hours	160	20.25	3240
	Non-departmental		Standard Hours			
Allowances	Travel	Dalby	Total Cost	9	337	3033
	Other		Total Cost			0.00
Equipment	Internal - plant/equipment	Dalby		64	90	5760
	Leased/hired heavy plant					0.00
	Additional plant/equipment hire					0.00
Vehicles / aircraft	QFleet vehicle usage	Dalby + 2	Days	20	69.00	1380
	Aircraft hire	contractor	Total Cost	1	772	772
	Helicopter hire		Total Cost			0.00
Materials & Consumables	Fuels / Oils	Dalby	Total Cost	500		500
	Foam		Total Cost			
	Incendiaries	QPWS	Total Cost	4570		4570
	Other		Total Cost			
					Total:	23305.00

16. Analysis of risks particular to this burn:

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Risk to:	Nature of risk	Minimised by and contingency issues highlighted:
Personnel involved in the burn	Staff working along public road	Signage and discuss safe operating practices in briefing.
Other users of the reserve		
Neighbouring life & property		
Natural & cultural resources		
Park infrastructure		
Smoke hazard		
Other	road along southern edge of burn used by public	signage either end of burn.

17. Pre-burn contact list (attach additional pre-burn contact list if required)

Type of Contact	Name	Address	Telephone	Comments
Fire Warden	Dunmore		4668 7189	contact fire warden
Other Agencies	DAF		(6) Personal infor	
Native Title Holder				
Burn area users	to be determined			Apiarists to be contacted from DAF occupancy records lessees, resource companies
Neighbours				
Other				

18. Burn Plan map/s:

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19. Burn Plan approved:

Approved by:	Claire Grant
Comments:	
Date approved:	29/03/2019

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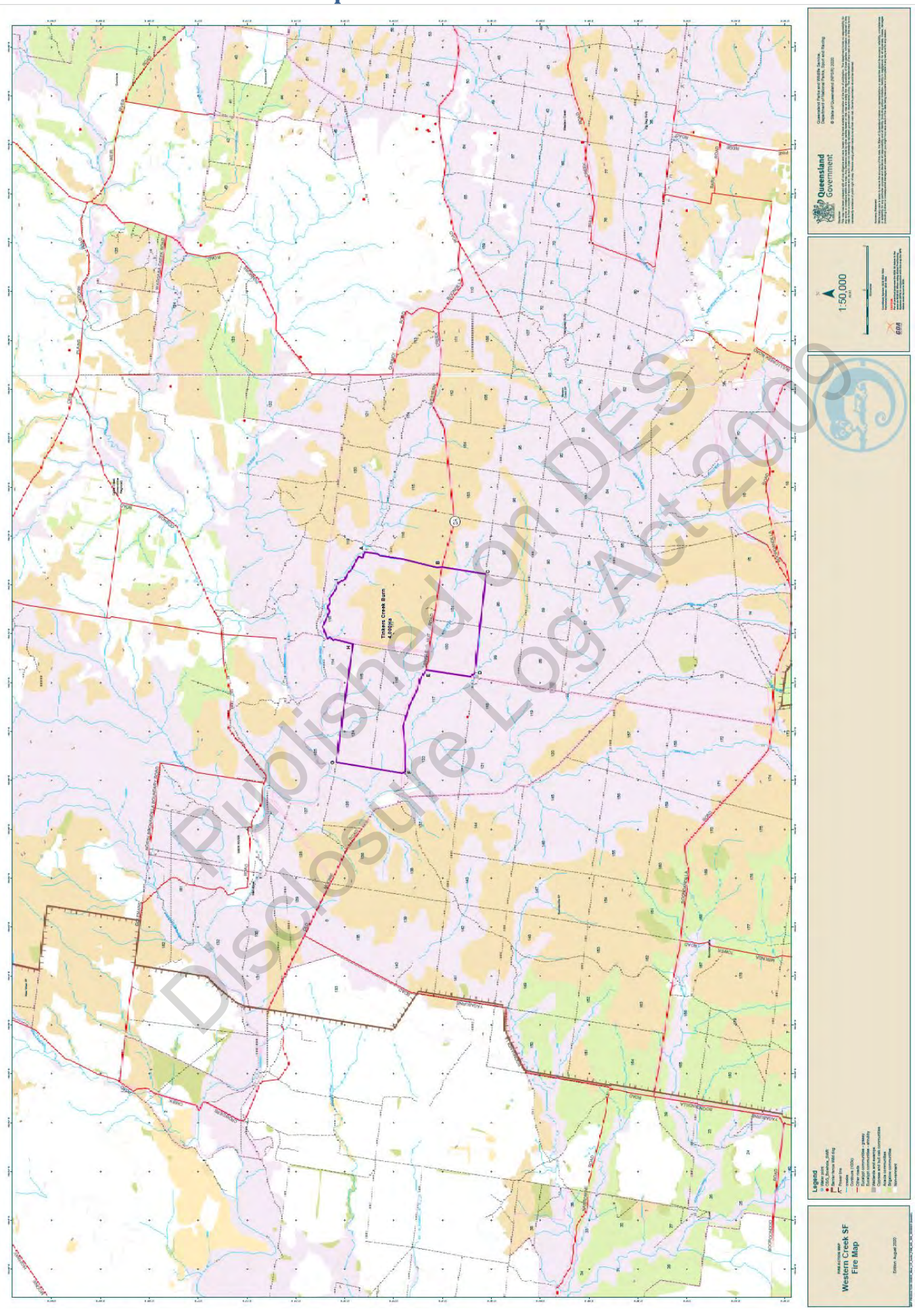
Disclosure Log Act 2009

Attachment 2 – Burn Plan Maps



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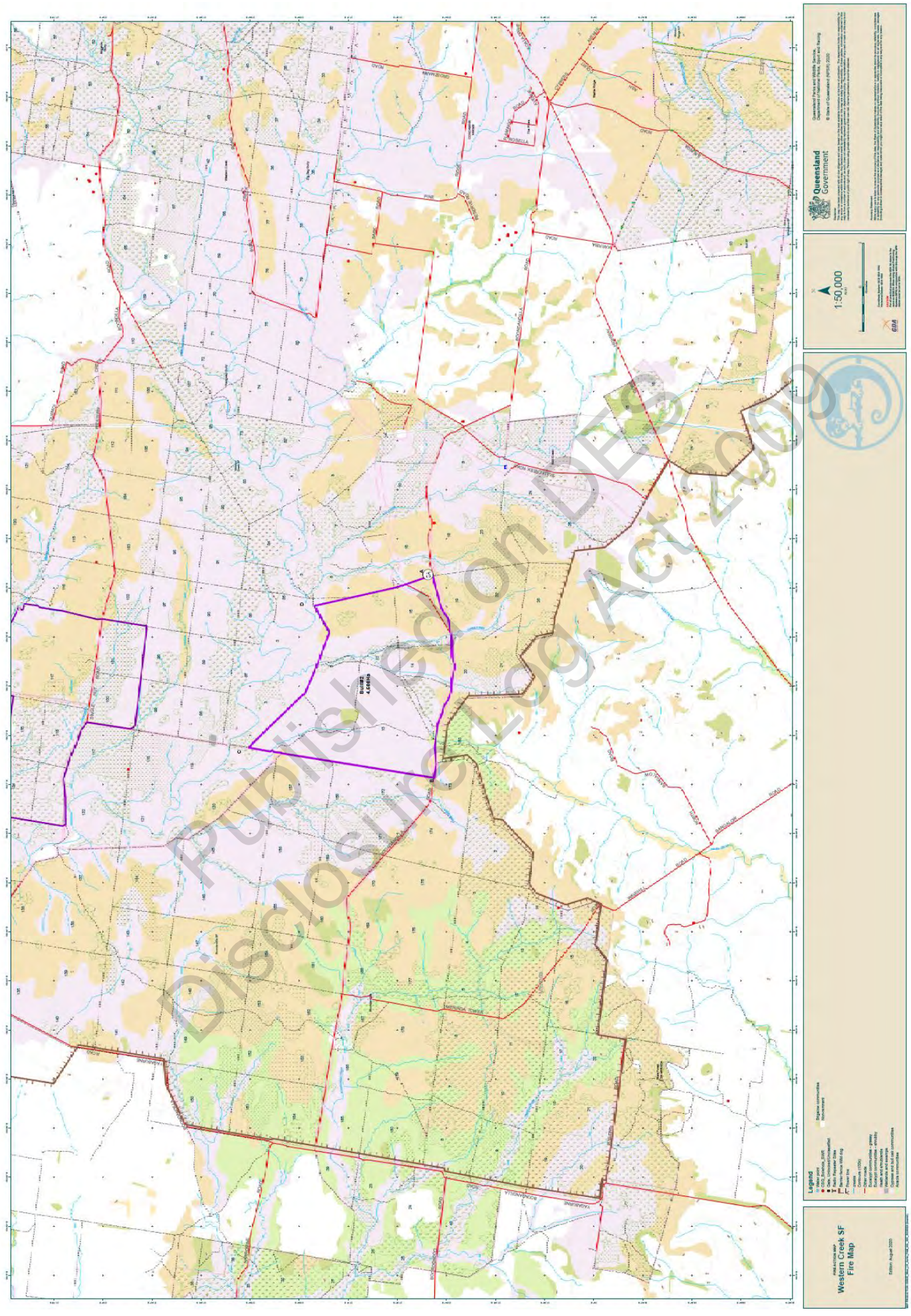
Release


Western Creek SF
Fire Map
1:50,000
Queensland Government
Legend
Published on DES Disclosure Log Act 2009

RING FIRECOM.

Fire operations briefing form

- This form provides a standardised format for operational briefings, provides prompts for inclusion, and is to be retained as a record of the briefing.
- SMEACS element inclusions can be modified to suit local factors.
- It can be used as an Incident Action Plan for smaller incidents with the addition of a fire incident map, more detailed Mission and Execution elements, and Incident Structure / Communications chart.

FIRE OPERATIONS BRIEFING

INCIDENT NAME: TINKERS CREEK AERIAL BURN

DATE: 25/8/20

TIME: 9.00 am

GROUP BEING BRIEFED: QPWS / DAF FF & ground crews.

Is this an Incident Action Plan: ☑ yes ☐ no : **Fire Incident Map Provided:** ☑ yes ☐ no

State reason – if 'no' for Fire Incident Map:

Incident Structure / Communications Chart Provided: ☐ yes ☑ no

PREPARED FOR OPERATIONAL PERIOD — **From:** 25/8/20 09.00 **To:** 25/8/20 1700.

Prepared by: M.AMBROSE

SITUATION e.g.
- Current fire activity
- Threats & impact time
- Weather forecast
- Resources

Water Creek ≠ Burntwaterhills SFS 4392 Inc
Gap in fire line / hard edge between I ≠ A.
Cypress pine prescription 100x100.
FROST / 19° SW wind 19K/hr @ 1600 HUMIDITY 27% 1300

MISSION – Objective
- **S** - Is it *specific*
- **M** - Can progress be *measured*
- **A** - Is it *achievable*
- **R** - Is it *relevant* to the situation
- **T** - What is the *timeframe*

Aircraft over block 10:30 flying E-W starting N.
crews keep up with aircraft W ≠ E bombing
SPOTOVER – QUICKLY RESPOND / KEEP UP WITH PLANE
chase wildfire tomorrow

EXECUTION e.g.
- Strategy, tactics
- Tasks allocated
- Trigger points

10.20am Light BEACONS
DAF TB ≠ NL light (G) – watch with aircraft
4361 ≠ 4362 NW, JC ≠ GL light (H) – west with 1st run W Flank
4394 JC ≠ DR light (I) – west with first run
4393 CW ≠ RS light (A) – watch with aircraft E Flank
DAF – Fmn ≠ A-E light (B) – light fence along west then SHL.

ADMINISTRATION e.g.
- Crew change over
- Crew shift limits
- Water sources, food and fuel

FIVE GROUND CREWS
DAF SKIDDER (DC) TARoom LOADER (CW) deployed by IC
EVERYONE POINT (H) SHOULD HAVE MAP ≠ weather POINT (B)
WATER POINT – 5.2km east of IC on Woodside
Inspected for aquatic pests – keep vigilant

COMMAND e.g.
- Command structure
- Control points
- Comms channels
- Call signs
- Sitrep instructions

IC Point / Evacuation Point – QGC Safe
M.A Initial controller
VHF Western Creek 332
Sit reps when reach Sector Corner (A-I) – limit radio chatter

SAFETY e.g.
- Key safety issues
- Local safety zones
- Fall back options

Shire Road Shingle Hut Road – low TRAFFIC
Gap in fire lines between I and A.
Tinkers Creek to hold on forty night –
fall back line HWT ≠ another lady

Other
- Media implications
- Ask for questions
- Confirm understanding

Community Smoke Alert to Tim for approval
Neighbours ✓
Lessee sch4p4(6) Personal information to check from West
Fire Warden Tim Cleary ✓

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Office Use Only	
FLAME Burn Plan ID:	13318327
Report Status:	Final
Version:	1
Version Date:	11/10/2020

Queensland Parks and Wildlife Service

Fire Report - Wildfire

1. Identification: **Wildfire Number:** 13318327

Fire Name: Tinkers Creek

Fire Year (1 Jan to 31 Dec): 2020

Burn type: Wildfire

Damage / Injury Summary files/s:

Multimedia file/s:

GPX file/s:

Fire map:

Point of Origin:

2. Fire Location Details:

Region: South West

Management Area:

Management Unit (SR) Western Downs (MU)

Work Unit (RIC) Western Downs (WU)

Estate: Western Creek State Forest

General Location: Eastern flank of Tinkers Creek planned burn.

3. Detection by:

Who detected the wildfire:

Name and contact details: Martin Ambrose

Date/time (hrs): Oct 9 2020 11:07AM

Organisation (detected by) : QPWS

Ignition Tactic:

4. Reporting:

Report prepared by:

Name: Gary Hearle Date/Time (hrs) Oct 27 2020 12:00AM

Information reported by:

Name: Gary Hearle Date/Time (hrs) Oct 26 2020 11:38AM

5. Fire Details

Type of Fire Out

Category of Incident: Level 1

Control Strategy: Monitor (remotely)

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Fuel characteristics prior to fireWildfires only if known:

Overall Fuel Hazard Rating: Moderate

Overall Quantity of Fuel: 10

Overall Curing (grasslands only):

Fire responsibility (lead agency managing this fire): QPWS

Coverage average over the mapped fire area (%): %

6. **Fire Status:** Out

Fire out: date/time (hrs): Oct 26 2020 11:38AM

7. **Duration of control effort:**

First Crew Mobilised	First Crew Arrived at Fire	Fire contained	Final Patrol Ceased
Date/Time (hrs)	Date/Time (hrs)	Date/Time (hrs)	Date/Time (hrs)
Oct 9 2020 5:00PM	Oct 9 2020 11:12AM	Oct 11 2020 11:13AM	Oct 18 2020 3:33PM

8. **Damage & Injuries: Did any of the following result from this fire?:**

Damage or Injuries summary: Nil

Injury/near hit details:

Fatality: No

Serious Injury/LTI: No

Minor Injury: No

Near hit: No

None: Yes

Injury quantity report (numbers):

Fatality (number):

Serious Injury/LTI (Fire-fighters only - number):

Minor Injury (Fire-fighters only - number):

Property damage details:

QPWS Infrastructure No

SLM Infrastructure No

DAF Infrastructure No

QPWS Plant and Equipment No

SLM Plant and Equipment No

DAF Plant and Equipment No

Lessee Assets No

Permittee Assets No

Neighbour/Private Assets No

Local Government/Other Agency Assets No

Fencing No

Stock Killed No

Primary Dwellings No

Cultural Heritage Sites No

Timber Plantations No

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Native Commercial Timber	No
Other	No
Unknown	Yes
None	No

Property damage quantity report (numbers):

Fencing Kilometers:

Stock killed:

Primary dwellings:

Cultural heritage sites:

Plantation hectares:

Native Commercial Timber Hectares:

Other:

Other (details):

9. Area burnt/treated (final):

	Area Burnt	Final	
		(ha)	Proportion (%)
	On department estate	1,018.82	98.48
	Off department estate	15.77	1.52
	Total	1,034.59	100.00

BURN PLANS AFFECTED

10. Evaluation of Wildfire (final):

Origin on Estate: Yes

Movement: Moved Off Estate

Cause: Escaped QPWS Burn

Other Comment:

Cause certainty: Known

Burn Plans Affected:

Arson Investigation:

Values Threatened:

a) Principle Value Threatened: Production

b) Secondary Value Threatened: Property

11. Monitoring plots: State the site numbers of any monitoring plots burnt and provide details relevant to the monitoring project:

Site Name / Number	Comments

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12. **General Comments** (Provide brief comment on current actions, predictions or other information relevant to the fire. Should include time/date of comment, current incident controller and contact phone number, and control objective). All previous advice will be made visible in order of reporting, but cannot be changed only updated.

1000 hrs 11/10/2020. Two QPWS dozers maintaining edge. 2 x RFB crews monitored breakout to north on freehold overnight 10/10 requested same for night of 11/10. Fire is contained but not safe. Objective is to burn out remaining block to maintain safe edge.

12/10/2020 - Fire remains contained with support on the freehold by RFS overnight. Patrols and mopping up continues. No longer a fire of concern

13/10 fire contained, remainder of block burnt out. mopping up and patrols to continue

14/10 - Some active fire still in block from brig camera. Crews to patrol during ordinary fire weather expected over weekend.

19/10 patrolled over weekend 17-18/10, some activity inside boundary, 10-12mm rain night of 18/10 with further rain forecast later in week. continue to monitor remotely

26/10 rain over fire ground since 21/10 no further activity noted

13. **Fire Summary:**

escaped to the east then spotted to the north onto Freehold.

14. **Has a Critical Incident Advice been Issued:** No

Was the IMT formed: No If yes, roles in IMT:

15. **Remedial Actions/Critical Issues identified in Debrief (final):** No

Details:

16. **Assessment of management objectives and impacts (wildfire)** (Note: a fire management zone includes sub-zone/s, fire regime group/s and fire vegetation groups that replace a Fire Association).

Fire Management Zone/s:	Approx % of Area Burnt occupied by this FMZ or subzone	Fire severity	Management objectives and impacts	Assessment results • Achieved • Partially achieved • Not achieved	Assessment comments

17. **Weather observations (mandatory – minimum = 3 times a day) (attach further records as required):**

Date	Time	Wind speed (km / h)	Wind direction	Temperature (°C)	Relative humidity (%)	KBDI	Curing (%)	Other
10/10/2020	14:51	7	SSW	30	8			

18. **Costs:**

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Item		Source	Unit of Measure	Amount Required	Cost Rate ($)	Costs($)
Personnel	QPWS staff		Standard Hours		20.25	0.00
	Other staff		Standard Hours		20.25	0.00
Allowances	Travel		Total Cost	3206.37	1.00	3,206.37
	Other	OVERTIME	Total Cost	14375.99	1.00	14,375.99
Equipment	Internal - plant/equipment			3416.63	1.00	3,416.63
	Leased/hired heavy plant					0.00
	Additional plant/equipment hire					0.00
Vehicles / aircraft	QFleet vehicle usage		Days	1688.97	1.00	1,688.97
	Aircraft hire		Total Cost			0.00
	Helicopter hire		Total Cost			0.00
Materials & Consumables	Fuels / Oils		Total Cost	984.63		984.63
					Total:	23,672.59

19. n/a

20. Fireline repairs (details): NIL

Expenditure: 0

21. Final fire map

Reliability Code:

Reliability Comment:

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22. Fire Report Map/s

23. Return Year (a reminder when this area needs to be burnt again):

Year: 2020

Comments:

Published on DES Disclosure Log Act 2009

Office Use Only	
FLAME Burn Plan ID:	13320603
Report Status:	Final
Version:	1
Version Date:	05/11/2020

Queensland Parks and Wildlife Service

Fire Report - Wildfire

1. Identification: **Wildfire Number:** 13320603

Fire Name: Tinkers Relight 2

Fire Year (1 Jan to 31 Dec): 2020

Burn type: Wildfire

Damage / Injury Summary files/s:

Multimedia file/s:

GPX file/s:

Fire map:

Point of Origin:

2. Fire Location Details:

Region: South West

Management Area:

Management Unit (SR) Eastern Downs

Work Unit (RIC) Southern Downs

Estate: Western Creek State Forest

General Location: Nth of WC SF

Known as the O'Conner Wildfire

3. Detection by:

Who detected the wildfire:

Name and contact details:

Date/time (hrs): Nov 4 2020 10:17AM

Organisation (detected by) : QFES

Ignition Tactic:

4. Reporting:

Report prepared by:

Name: Gary Hearle Date/Time (hrs) Nov 24 2020 12:00AM

Information reported by:

Name: David Adam Date/Time (hrs) Nov 23 2020 9:08AM

5. Fire Details

Type of Fire Out

Category of Incident: Level 2

Control Strategy: Monitor (remotely)

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Fuel characteristics prior to fireWildfires only if known:

Overall Fuel Hazard Rating:

Overall Quantity of Fuel:

Overall Curing (grasslands only):

Fire responsibility (lead agency managing this fire): QFES

Coverage average over the mapped fire area (%): %

6. Fire Status: Out

Fire out: date/time (hrs): Nov 20 2020 9:09AM

7. Duration of control effort:

First Crew Mobilised	First Crew Arrived at Fire	Fire contained	Final Patrol Ceased
Date/Time (hrs)	Date/Time (hrs)	Date/Time (hrs)	Date/Time (hrs)
Nov 4 2020 2:24PM	Nov 4 2020 5:25PM	Nov 10 2020 2:11PM	Nov 20 2020 9:10AM

8. Damage & Injuries: Did any of the following result from this fire?:

Damage or Injuries summary: QFES RFB crew member injured foot as a result of a falling tree. Reported through QFES incident reporting system as occurred off QPWS estate. Required first aid treatment only.

Injury/near hit details:

Fatality:	No
Serious Injury/LTI:	No
Minor Injury:	Yes
Near hit:	No
None:	Yes

Injury quantity report (numbers):

Fatality (number):	
Serious Injury/LTI (Fire-fighters only - number):	
Minor Injury (Fire-fighters only - number):	1

Property damage details:

QPWS Infrastructure	No
SLM Infrastructure	No
DAF Infrastructure	No
QPWS Plant and Equipment	No
SLM Plant and Equipment	No
DAF Plant and Equipment	No
Lessee Assets	No
Permittee Assets	No
Neighbour/Private Assets	Yes
Local Government/Other Agency Assets	No
Fencing	Yes
Stock Killed	No
Primary Dwellings	No

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Cultural Heritage Sites	No
Timber Plantations	No
Native Commercial Timber	No
Other	No
Unknown	No
None	No

Property damage quantity report (numbers):

Fencing Kilometers:	2
Stock killed:	
Primary dwellings:	
Cultural heritage sites:	
Plantation hectares:	
Native Commercial Timber Hectares:	
Other:	
Other (details):	

9. Area burnt/treated (final):

	Area Burnt	Final	
		(ha)	Proportion (%)
	On department estate	43.06	1.00
	Off department estate	4,278.59	99.00
	Total	4,321.65	100.00

BURN PLANS AFFECTED

10. Evaluation of Wildfire (final):

Origin on Estate:	Yes
Movement:	Moved Off Estate
Cause:	Lightning
Other Comment:	Relight
Cause certainty:	Unknown
Burn Plans Affected:	
Arson Investigation:	
Values Threatened:	
a) Principle Value Threatened:	Life
b) Secondary Value Threatened:	Property

11. Monitoring plots: State the site numbers of any monitoring plots burnt and provide details relevant to the monitoring project:

Site Name / Number	Comments

12. General Comments (Provide brief comment on current actions, predictions or other information relevant to the fire. Should include time/date of comment, current incident controller and contact phone number, and control objective). All previous advice will be made visible in order of reporting, but cannot be changed only updated.

4/11/2020 - Crews identified NW corner and N break as a week link with running fire approaching the break. Burning out was undertaken to secure the edge.

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5/11/2020 - Fire remains contained

5/11/2020 -Fire no longer contained. At 15:15 fire broke containment and had run 2 km NE in 1 hour. 6) Personal inf self evacuated - QFES contacted and aerial mapping arranged. Heavy plant direct attack western flank. Fire of concern

5/11/20 19:20 Fire remains uncontained but behaviour is moderating. No structures lost.

Watch and Act message released late afternoon. Level 2 incident QFES now IC. QPWS as Operations

QPWS is working to contain the western flank with heavy plant and fire unit support.
RFS (Rural Fire Service) on the eastern flank with FRS (Fire Rescue Service) providing property protection
QFES provided aerial support with mapping and 3 water bombing aircraft
QPWS will also secure a contract dozer to assist on freehold.

IC point is Dunmore Forestry Office

06/11/2020

Fire Now - Fire travelled north of Moonie pipeline overnight heading northerly direction.
Fire active as of 0800 6/11/12.
Life and property main objective of activities. Limited direct attack unless linking existing breaks
Mapping completed 0900. Fire spotting as of 0900 so fire behaviour high.

Fire future- Travelling N direction. Assets may come under threat within 4 hours on Weir River. Houses defendable.
Containment strategy- Plan is to fall back to cleared grasslands and upgrade breaks and wait for fire to travel to grasslands where containment option increased.
IMT- Dunmore Craig Clifford IC -QFES
QPWS western sector management with heavy plant. Upgrading northern boundary of Western Ck SF to Weir river.
Containment SW corner will be problematic.

6/11/2020 16:00 Fire is currently burning in northerly direction. No assets under threat at this stage. Fire burning in inaccessible country.
Weather SW wind 5klm/hr, 30 degrees, RH 17%- FFDI 32
3 sectors establish- Northern, western and Eastern.
Firebreaks being upgraded on all sectors. Dotted black line on attached. DAF D5N dozer on northern sector
DAF skidder, D5K and loader on western sector establishing a break NE direction towards Moonie pipeline. Mapping is currently being undertaken by aerial support

07/11/2020 - Fire suppression activities include burning out western and eastern sectors. Conditions moderating slightly Max FFDI approximately 18.West Sector - Crews have been burning out in front of the flanking fire and have it tied off into an old track approximately half way along the break constructed through the day. Tomorrow crews will return and finish burning out this SW corner and tying it back into the black.
North Sector – DAF dozer and LA has been working north of the Weir and today and has track in along the side of timbered country to the confluence of Cattle Creek. Fire is believed to be mostly south of the Weir but the aerial mapping shows it across. This requires verification.
East Sector – Fire was coming out to cleared stubble south of Jib Ck approx. 500m and low intensity at 2000hrs. Containment line in on N to S eastern line down to the SF boundary. A number of stacks on the Kenmore property and the dozer has pushed tracks around them where possible to prevent a lengthy burnout. This should be right for an AM backburn Sat 7th in milder NE winds.

QPWS has 3 crews on last shift Sat but two additional out of region crews arriving. Tim Wood will be starting Sun 8th to assist in IMT role.
QPWS Heavy plant will include 2 x D5's, Contract D6, Skidder and Loader.

At 2300 crews are beginning to work their way out and expect all crews off fireground by 0000 hours.

7/11/20 1400 - Craig IC DB Dep. Crews continuing to burn out western heel under SC Willis. Fire behaviour continuing to be problematic but conditions expected to continue to ease. On east sector crews are slowly allowing fire to burn out against winds to containment lines under WR12 command. 2 helitack assisting with spotover control.

08/11/2020 - Fire conditions are starting to moderate but still climbing trees in heavy fuels. 10-20kph NE winds and this direction should remain stable for a few days.

West Sector - Crews are close to completing the burn out of the SW corner, lots of trees to deal with.
NW Sector – Crews have burnt out and blacked out from sch4p4(6) Personal information back down to the confluence of Cattle and the Weir.
East Sector – Crews have burnt out from the north working south and at last report there will still be 6km required to complete today.

Fire is 70% contained.

9/11/20 - Contained. Still marked as "control" until contained for a day. Crews continue to strengthen control lines and mop up. Lines also being consolidated - with extra containment lines identified in case of further breakout. Crew change due Tuesday,

11/11/20 - 1000
Line is quite safe with the exception of the area to the NW to the north of the powerline, fire intensity low but not 100% secure.

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He has been liaising with the landowner and feels that they are capable of managing given the low fuel loads.

Plan is to return all crews and plant back to base so they can be rested and serviced in preparation for the coming weekend.

Hilly is planning to run the line tomorrow (Thursday).

Fire marked as out - desk top investigation as to pre incident weather and likely ignition sources

13. Fire Summary:

see debrief

14. Has a Critical Incident Advice been Issued: No

Was the IMT formed: No If yes, roles in IMT: Incident Controller, Liaison, Operations

15. Remedial Actions/Critical Issues identified in Debrief (final): No

Details: See debrief - Oconnor Wildfire

16. Assessment of management objectives and impacts (wildfire) (Note: a fire management zone includes sub-zone/s, fire regime group/s and fire vegetation groups that replace a Fire Association).

Fire Management Zone/s:	Approx % of Area Burnt occupied by this FMZ or subzone	Fire severity	Management objectives and impacts	Assessment results • Achieved • Partially achieved • Not achieved	Assessment comments

17. Weather observations (mandatory – minimum = 3 times a day) (attach further records as required):

Date	Time	Wind speed (km / h)	Wind direction	Temperature (°C)	Relative humidity (%)	KBDI	Curing (%)	Other
5/11/2020	15:34	50	SW	36	8			

18. Costs:

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Releas

Item		Source	Unit of Measure	Amount Required	Cost Rate ($)	Costs($)
Personnel	QPWS staff		Standard Hours		20.25	0.00
	Other staff		Standard Hours		20.25	0.00
Allowances	Travel		Total Cost	1	2,899.35	2,899.35
	Other		Total Cost	1	9,770.39	9,770.39
Equipment	Internal - plant/equipment			1	7,554.43	7,554.43
	Leased/hired heavy plant					0.00
	Additional plant/equipment hire					0.00
Vehicles / aircraft	QFleet vehicle usage		Days	1	1,028.77	1,028.77
	Aircraft hire		Total Cost			0.00
	Helicopter hire		Total Cost			0.00
Materials & Consumables	Fuels / Oils		Total Cost	1097.28		1,097.28
	Other		Total Cost	1313.79		1,313.79
					Total:	23,664.01

19. n/a

20. Fireline repairs (details): ONGOING WITH NEIGHBOURS

Expenditure: 0

21. Final fire map

Reliability Code:

Reliability Comment:

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22. Fire Report Map/s

23. Return Year (a reminder when this area needs to be burnt again):

Year: 2020

Comments: FINAL COSTS AND ACTIONS STILL ONGOING

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Office Use Only	
Red flag burn	No
Burn plan priority code:	High
FLAME Burn Plan ID:	13314240
Report Status:	Final
Version:	1
Version Date:	25/08/2020

Queensland Parks and Wildlife Service

Fire Report - Planned Burn

1. Identification: **Burn Plan Number:** 13314240

Fire Name: Western Creek Rd

Fire Year (1 Jan to 31 Dec): 2020

Burn type: Planned Burn

Damage / Injury Summary files/s:

Multimedia file/s:

GPX file/s:

Fire map:

Point of Origin:

2. Fire Location Details:

Region: South West

Management Area:

Management Unit (SR) Eastern Downs

Work Unit (RIC) Southern Downs

Estate:

General Location: Western Creek Rd

3. Ignited by:

Who ignited / managed the planned burn:

Name and contact details: Martin Ambrose

Date/time (hrs): Aug 25 2020 10:01AM

Organisation (Ignited by): QPWS

Ignition Tactic: Ground-based and Aerial

4. Reporting:

Report prepared by:

Name: Gary Hearle Date/Time (hrs) Oct 27 2020 12:00AM

Information reported by:

Name: Gary Hearle Date/Time (hrs) Oct 26 2020 11:48AM

Fuel characteristics prior to fire:

Overall Fuel Hazard Rating: Not Assessed

Overall Quantity of Fuel:

Overall Curing (grasslands only):

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Fire responsibility (lead agency managing this fire): QPWS

Coverage average over the mapped fire area (%): %

6. Fire Status: Out

Fire out: date/time (hrs): Oct 26 2020 11:48AM

7. Duration of control effort:

First Crew Mobilised	First Crew Arrived at Fire	Fire contained	Final Patrol Ceased
Date/Time (hrs)	Date/Time (hrs)	Date/Time (hrs)	Date/Time (hrs)
Aug 24 2020 9:02AM	Aug 25 2020 7:00AM	Aug 25 2020 4:00PM	Oct 18 2020 12:30PM

8. Damage & Injuries: Did any of the following result from this fire?:

Damage or Injuries summary: nil

Injury/near hit details:

Fatality:	No
Serious Injury/LTI:	No
Minor Injury:	No
Near hit:	No
None:	Yes

Injury quantity report (numbers):

Fatality (number):	
Serious Injury/LTI (Fire-fighters only - number):	
Minor Injury (Fire-fighters only - number):	

Property damage details:

QPWS Infrastructure	No
SLM Infrastructure	No
DAF Infrastructure	No
QPWS Plant and Equipment	No
SLM Plant and Equipment	No
DAF Plant and Equipment	No
Lessee Assets	No
Permittee Assets	No
Neighbour/Private Assets	No
Local Government/Other Agency Assets	No
Fencing	No
Stock Killed	No
Primary Dwellings	No
Cultural Heritage Sites	No
Timber Plantations	No
Native Commercial Timber	No
Other	No
Unknown	No
None	Yes

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Property damage quantity report (numbers):

Fencing Kilometers:

Stock killed:

Primary dwellings:

Cultural heritage sites:

Plantation hectares:

Native Commercial Timber Hectares:

Other:

Other (details):

9. Area burnt/treated (final):

	Area Burnt	Final	
		(ha)	Proportion (%)
	On department estate	4,222.56	98.54
	Off department estate	62.46	1.46
	Total	4,285.02	100.00

BURN PLANS AFFECTED

10. n/a

11. Monitoring plots: State the site numbers of any monitoring plots burnt and provide details relevant to the monitoring project:

Site Name / Number	Comments

12. General Comments (Provide brief comment on current actions, predictions or other information relevant to the fire. Should include time/date of comment, current incident controller and contact phone number, and control objective). All previous advice will be made visible in order of reporting, but cannot be changed only updated.

25/8 beacons lit 1000am, plane started igniting 1030. worked east west from north open edge between point A and I. few small spotovers burning well

patrolled 31/8 secure

3/9 patrolled couple of hot spots near northern boundary picked up remotely, inside boundary and still secure

7/9 remotely monitoring still getting occasional hot spots showing internally

17/9remotely monitoring, getting occasional hotspot within burn boundary

8/10 been very active in the last week, patrolled intermittently, all activity inside the box. one small spot on edge which burnt itself out that day. continue to monitor remotely.

13/10 escaped to the east (separate wildfire report) activity in block to be monitored

19/10 patrolled over weekend 17-18/10. activity in burn area very little. rain over fireground 18/10 with more forecast later in week. continue to monitor

26/10 rain over fireground last five days more forecast, no further activity been noted

13. Fire Summary:

SEE SIT REP
some large pockets reignited and eventually escaped to the east.

14. Has a Critical Incident Advice been Issued: No

Was the IMT formed: No If yes, roles in IMT:

Published on DES Disclosure Log Act 2009

15. Remedial Actions/Critical Issues identified in Debrief (final): No

Details:

16. Assessment of measurable objectives (planned burn): (Note: a fire management zone includes sub-zone/s, fire regime group/s and fire vegetation groups that replace a Fire Association).

Fire Management Zone/s:	Approx % of Area Burnt occupied by this FMZ or subzone	Fire severity	Management issues being addressed	Measurable Objectives	Assessment results • Achieved • Partially achieved • Not achieved	Assessment comments
Land Management Sustainable Production	99.00	Moderate	Hazard reduction (fuel management) burns	Reduce overall fuel hazard to low or moderate. Or Reduce fuel load to < 5 tonnes/ha.	Achieved	effective

17. Weather observations (mandatory – minimum = 3 times a day) (attach further records as required):

Date	Time	Wind speed (km / h)	Wind direction	Temperature (°C)	Relative humidity (%)	KBDI	Curing (%)	Other
25/08/2020	9:54	19	SW	18	27			
26/08/2020	9:55	11	E	21	27			

18. Costs:

Item		Source	Unit of Measure	Amount Required	Cost Rate ($)	Costs($)
Personnel	QPWS staff		Standard Hours		20.25	0.00
	Other staff		Standard Hours		20.25	0.00
Allowances	Travel		Total Cost	4751.3	1.00	4,751.30
	Other		Total Cost			0.00
Equipment	Internal - plant/equipment			7965.34	1.00	7,965.34
	Leased/hired heavy plant					0.00
	Additional plant/equipment hire					0.00
Vehicles / aircraft	QFleet vehicle usage		Days	2159.55	1.00	2,159.55
	Aircraft hire		Total Cost	4663.64	1.00	4,663.64
	Helicopter hire		Total Cost			0.00
Materials & Consumables	Fuels / Oils		Total Cost	1166.31		1,166.31
	Other		Total Cost	789.54		789.54
					Total:	21,495.68

19. Fire funding source: 1002700

Published on DES Disclosure Log Act 2009

Expenditure: 21495.68

20. Fireline repairs (details): NIL

Expenditure: 0

21. Final fire map

Reliability Code:

Reliability Comment:

Published on DES Disclosure Log Act 2009

22. Fire Report Map/s

23. Return Year (a reminder when this area needs to be burnt again):

Year: 2020

Comments:

Published on DES Disclosure Log Act 2009

Office Use Only	
FLAME Burn Plan ID:	13318327
Report Status:	Final
Version:	1
Version Date:	11/10/2020

Queensland Parks and Wildlife Service

Situation Report - Wildfire

1. Identification:

Wildfire Number: 13318327

Current situation fire map:

Fire Name: Tinkers Creek

Fire Year (1 Jan to 31 Dec): 2020

Burn type: Wildfire

Damage / Injury Summary files/s:

Multimedia file/s:

GPX file/s:

Fire map:

Point of Origin:

2. Fire Location Details:

Region: South West

Area: Western Creek State Forest/NP/W/2020/005-006

Management Unit (SR): Western Downs (MU)

Work Unit (RIC): Western Downs (WU)

Estate: Western Creek State Forest

General Location: Eastern flank of Tinkers Creek planned burn.

Fire Map (current):

Reliabilty code: 0 - Indicative only

Reliability Comment: ground based

Point of Origin:

Reliabilty code:

Reliability Comment:

3. Detection by:

Who detected the wildfire:

Name and contact details: Martin Ambrose

Date/time (hrs): Oct 9 2020 11:07AM

Organisation (detected by) : QPWS

4. Reporting

Report prepared by:

Name: Gary Hearle Date/Time (hrs) Oct 26 2020 11:34AM

Information reported by:

Name: Gary Hearle Date/Time (hrs) Oct 26 2020 11:38AM

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5. Fire Details

Fire Status: Out

Type of Fire: Wildfire

Category of Incident: Level 1

Control Strategy: Monitor (remotely)

Fire Severity: High

Area burnt (preliminary)

Area Burnt	Final	
	(ha)	Proportion (%)
On department estate	1018.82183240326	98.48
Off department estate	15.769482632874	1.52
Total	1034.59131503614	100.00

Fuel characteristics prior to fireWildfires only if known:

Overall Fuel Hazard Rating: Moderate

Overall Quantity of Fuel (t/ha): 10

Overall Curing (grasslands only) (%):

Fire responsibility (lead agency managing this fire): QPWS

Resources

Number of Departmental staff present: 0

Number of other personnel present: 0

Number of Departmental fire units present: 0

Number of other agency fire units present: 0

6. Duration of control effort:

First Crew Mobilised	First Crew Arrived at Fire	Fire contained	Final Patrol Ceased
Date/Time (hrs)	Date/Time (hrs)	Date/Time (hrs)	Date/Time (hrs)
Oct 9 2020 5:00PM	Oct 9 2020 11:12AM	Oct 11 2020 11:13AM	Oct 18 2020 3:33PM

7. Evaluation of Wildfire (preliminary):

Origin on Estate: Yes

Movement: Moved Off Estate

Cause: Escaped QPWS Burn

Cause certainty: Known

Cause Other comment:

Values Threatened:

a) Principal Value Threatened: Production

b) Secondary Value Threatened: Property

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8. Damage & Injuries: Did any of the following result from this fire?:

Damage or Injuries summary: Nil

Injury/near hit details:

Fatality:	No
Serious Injury/LTI:	No
Minor Injury:	No
Near hit:	No
None:	Yes

Injury quantity report (numbers):

Fatality (number):

Serious Injury/LTI (Fire-fighters only - number):

Minor Injury (Fire-fighters only - number):

Property damage details:

QPWS Infrastructure
SLM Infrastructure
DAF Infrastructure
QPWS Plant and Equipment
SLM Plant and Equipment
DAF Plant and Equipment
Lessee Assets
Permittee Assets
Neighbour/Private Assets
Local Government/Other Agency Assets
Fencing
Stock Killed
Primary Dwellings
Cultural Heritage Sites
Native Commercial Timber
None
Unknown
Timber Plantations
Other

Property damage quantity report (numbers):

Fencing Kilometers:

Stock killed:

Primary dwellings:

Cultural heritage sites:

Plantation hectares:

Native Commercial Timber Hectares:

Other:

Other (details):

Published on DES Disclosure Log Act 2009

9. Remedial Actions/Critical Issues identified in Debrief (preliminary):

No

Details:

10. General Comments (Provide brief comment on current actions, predictions or other information relevant to the fire. Should include time/date of comment, current incident controller and contact phone number, and control objective). All previous advice will be made visible in order of reporting, but cannot be changed only updated.

1000 hrs 11/10/2020. Two QPWS dozers maintaining edge. 2 x RFB crews monitored breakout to north on freehold overnight 10/10 requested same for night of 11/10. Fire is contained but not safe. Objective is to burn out remaining block to maintain safe edge.

12/10/2020 - Fire remains contained with support on the freehold by RFS overnight. Patrols and mopping up continues. No longer a fire of concern

13/10 fire contained, remainder of block burnt out. mopping up and patrols to continue

14/10 - Some active fire still in block from brig camera. Crews to patrol during ordinary fire weather expected over weekend.

19/10 patrolled over weekend 17-18/10, some activity inside boundary, 10-12mm rain night of 18/10 with further rain forecast later in week. continue to monitor remotely

26/10 rain over fire ground since 21/10 no further activity noted

11. Has a Critical Incident Advice been Issued: No

Was the IMT formed: If yes, roles in IMT:

No

12. Is this the final Situation Report?

Yes

Published on DES Disclosure Log Act 2009

Office Use Only	
FLAME Burn Plan ID:	13320603
Report Status:	Final
Version:	1
Version Date:	05/11/2020

Queensland Parks and Wildlife Service

Situation Report - Wildfire

1. Identification:

Wildfire Number: 13320603

Current situation fire map:

Fire Name: Tinkers Relight 2

Fire Year (1 Jan to 31 Dec): 2020

Burn type: Wildfire

Damage / Injury Summary files/s:

Multimedia file/s:

GPX file/s:

Fire map:

Point of Origin:

2. Fire Location Details:

Region: South West

Area: Western Creek State Forest/NP/W/2020/006-011

Management Unit (SR): Eastern Downs

Work Unit (RIC): Southern Downs

Estate: Western Creek State Forest

General Location: Nth of WC SF

Known as the O'Conner Wildfire

Fire Map (current):

Reliabilty code: 0 - Indicative only

Reliability Comment: Possible relight associated with PB / or lightning strike
Block escape mapped by QFES

Point of Origin:

Reliabilty code:

Reliability Comment:

3. Detection by:

Who detected the wildfire:

Name and contact details:

Date/time (hrs): Nov 4 2020 10:17AM

Organisation (detected by) : QFES

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4. Reporting

Report prepared by:

Name: David Adam Date/Time (hrs) Nov 23 2020 9:07AM

Information reported by:

Name: David Adam Date/Time (hrs) Nov 23 2020 9:08AM

5. Fire Details

Fire Status: Out

Type of Fire: Wildfire

Category of Incident: Level 2

Control Strategy: Monitor (remotely)

Fire Severity: Very High

Area burnt (preliminary)

Area Burnt	Final	
	(ha)	Proportion (%)
On department estate	43.0555343168449	1.00
Off department estate	4278.59229643133	99.00
Total	4321.64783074818	100.00

Fuel characteristics prior to fireWildfires only if known:

Overall Fuel Hazard Rating:

Overall Quantity of Fuel (t/ha):

Overall Curing (grasslands only) (%):

Fire responsibility (lead agency managing this fire): QFES

Resources

Number of Departmental staff present: 0

Number of other personnel present: 0

Number of Departmental fire units present: 0

Number of other agency fire units present: 0

6. Duration of control effort:

First Crew Mobilised	First Crew Arrived at Fire	Fire contained	Final Patrol Ceased
Date/Time (hrs)	Date/Time (hrs)	Date/Time (hrs)	Date/Time (hrs)
Nov 4 2020 2:24PM	Nov 4 2020 5:25PM	Nov 10 2020 2:11PM	Nov 20 2020 9:10AM

7. Evaluation of Wildfire (preliminary):

Origin on Estate: Yes

Movement: Moved Off Estate

Cause: Lightning

Cause certainty: Unknown

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Cause Other comment: Relight

Values Threatened:

a) Principal Value Threatened: Life

b) Secondary Value Threatened: Property

8. Damage & Injuries: Did any of the following result from this fire?:

Damage or Injuries summary: QFES RFB crew member injured foot as a result of a falling tree. Reported through QFES incident reporting system as occurred off QPWS estate. Required first aid treatment only.

Injury/near hit details:

Fatality:	No
Serious Injury/LTI:	No
Minor Injury:	Yes
Near hit:	No
None:	Yes

Injury quantity report (numbers):

Fatality (number):	
Serious Injury/LTI (Fire-fighters only - number):	
Minor Injury (Fire-fighters only - number):	1

Property damage details:

QPWS Infrastructure
SLM Infrastructure
DAF Infrastructure
QPWS Plant and Equipment
SLM Plant and Equipment
DAF Plant and Equipment
Lessee Assets
Permittee Assets
Neighbour/Private Assets
Local Government/Other Agency Assets
Fencing
Stock Killed
Primary Dwellings
Cultural Heritage Sites
Native Commercial Timber
None
Unknown
Timber Plantations
Other

Property damage quantity report (numbers):

Fencing Kilometers:	2
Stock killed:	
Primary dwellings:	
Cultural heritage sites:	

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Plantation hectares:

Native Commercial Timber Hectares:

Other:

Other (details):

9. Remedial Actions/Critical Issues identified in Debrief (preliminary):

No

Details:

See debrief - Oconnor Wildfire

10. General Comments (Provide brief comment on current actions, predictions or other information relevant to the fire. Should include time/date of comment, current incident controller and contact phone number, and control objective). All previous advice will be made visible in order of reporting, but cannot be changed only updated.

4/11/2020 - Crews identified NW corner and N break as a week link with running fire approaching the break. Burning out was undertaken to secure the edge.

5/11/2020 - Fire remains contained

5/11/2020 -Fire no longer contained. At 15:15 fire broke containment and had run 2 km NE in 1 hour. 6) Personal inf self evacuated - QFES contacted and aerial mapping arranged. Heavy plant direct attack western flank. Fire of concern

5/11/20 19:20 Fire remains uncontained but behaviour is moderating. No structures lost.

Watch and Act message released late afternoon. Level 2 incident QFES now IC. QPWS as Operations

QPWS is working to contain the western flank with heavy plant and fire unit support.
RFS (Rural Fire Service) on the eastern flank with FRS (Fire Rescue Service) providing property protection
QFES provided aerial support with mapping and 3 water bombing aircraft
QPWS will also secure a contract dozer to assist on freehold.

IC point is Dunmore Forestry Office

06/11/2020

Fire Now - Fire travelled north of Moonie pipeline overnight heading northerly direction.
Fire active as of 0800 6/11/12.
Life and property main objective of activities. Limited direct attack unless linking existing breaks
Mapping completed 0900. Fire spotting as of 0900 so fire behaviour high.

Fire future- Travelling N direction. Assets may come under threat within 4 hours on Weir River. Houses defendable.
Containment strategy- Plan is to fall back to cleared grasslands and upgrade breaks and wait for fire to travel to grasslands where containment option increased.
IMT- Dunmore Craig Clifford IC -QFES
QPWS western sector management with heavy plant. Upgrading northern boundary of Western Ck SF to Weir river.
Containment SW corner will be problematic.

6/11/2020 16:00 Fire is currently burning in northerly direction. No assets under threat at this stage. Fire burning in inaccessible country.
Weather SW wind 5klm/hr, 30 degrees, RH 17%- FFDI 32
3 sectors establish- Northern, western and Eastern.
Firebreaks being upgraded on all sectors. Dotted black line on attached. DAF D5N dozer on northern sector
DAF skidder, D5K and loader on western sector establishing a break NE direction towards Moonie pipeline. Mapping is currently being undertaken by aerial support

07/11/2020 - Fire suppression activities include burning out western and eastern sectors. Conditions moderating slightly Max FFDI approximately 18.West Sector - Crews have been burning out in front of the flanking fire and have it tied off into an old track approximately half way along the break constructed through the day. Tomorrow crews will return and finish burning out this SW corner and tying it back into the black.
North Sector – DAF dozer and LA has been working north of the Weir and today and has track in along the side of timbered country to the confluence of Cattle Creek. Fire is believed to be mostly south of the Weir but the aerial mapping shows it across. This requires verification.
East Sector – Fire was coming out to cleared stubble south of Jib Ck approx. 500m and low intensity at 2000hrs. Containment line in on N to S eastern line down to the SF boundary. A number of stacks on the Kenmore property and the dozer has pushed tracks around them where possible to prevent a lengthy burnout. This should be right for an AM backburn Sat 7th in milder NE winds.

QPWS has 3 crews on last shift Sat but two additional out of region crews arriving. Tim Wood will be starting Sun 8th to assist in IMT role.

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QPWS Heavy plant will include 2 x D5's, Contract D6, Skidder and Loader.

At 2300 crews are beginning to work their way out and expect all crews off fireground by 0000 hours.

7/11/20 1400 - Craig IC DB Dep. Crews continuing to burn out western heel under SC Willis. Fire behaviour continuing to be problematic but conditions expected to continue to ease. On east sector crews are slowly allowing fire to burn out against winds to containment lines under WR12 command. 2 helitack assisting with spotover control.

08/11/2020 - Fire conditions are starting to moderate but still climbing trees in heavy fuels. 10-20kph NE winds and this direction should remain stable for a few days.

West Sector - Crews are close to completing the burn out of the SW corner. lots of trees to deal with.
NW Sector – Crews have burnt out and blacked out from sch4p4(6) Personal information back down to the confluence of Cattle and the Weir.
East Sector – Crews have burnt out from the north working south and at last report there will still be 6km required to complete today.

Fire is 70% contained.

9/11/20 - Contained. Still marked as "control" until contained for a day. Crews continue to strengthen control lines and mop up. Lines also being consolidated - with extra containment lines identified in case of further breakout. Crew change due Tuesday,

11/11/20 - 1000
Line is quite safe with the exception of the area to the NW to the north of the powerline, fire intensity low but not 100% secure. He has been liaising with the landowner and feels that they are capable of managing given the low fuel loads.

Plan is to return all crews and plant back to base so they can be rested and serviced in preparation for the coming weekend.

Hilly is planning to run the line tomorrow (Thursday).

Fire marked as out - desk top investigation as to pre incident weather and likely ignition sources

11. Has a Critical Incident Advice been Issued: No

Was the IMT formed:	If yes, roles in IMT:
No	Incident Controller

12. Is this the final Situation Report?

Yes

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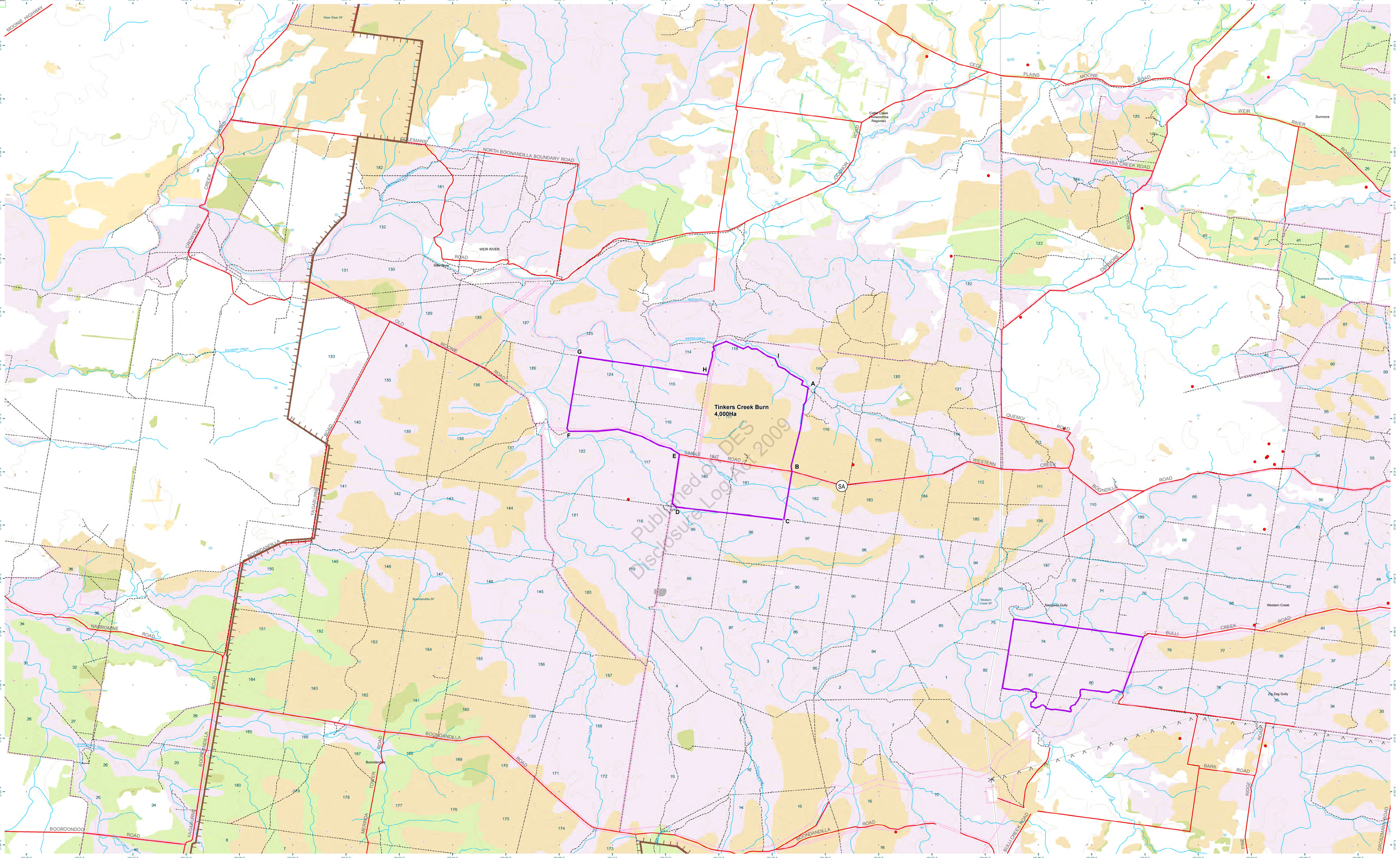

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FIRE ACTION MAP

Western Creek SF Fire Map

Edition: August 2020

Legend

- Water point
- CSG_Bolehole_SWR
- Barrier fence Wild dog
- Power line
- creeks
- Contours (100k)
- Other roads
- Eucalypt communities - grassy
- Eucalypt communities - shrubby
- Wetlands and swamps
- Cypress and bull oak communities
- Acacia communities
- Brigalow communities
- Non-remnant

N

1:50,000

At A1

2 0 2

Kilometres

Coordinate System: GCS GDA 1994
Horizontal Datum: GDA 1994

CAUTION
For all practical purposes the GDA 94 datum is the same as WGS 84. When using Global Positioning Systems (GPS) in conjunction with this map the GPS datum must be set to GDA.

Queensland Government

Queensland Parks and Wildlife Service,
Department of National Parks, Sport and Racing

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Disclaimer
This map has been prepared with all due diligence and care, based on the best available information at the time of publication. The department holds no responsibility for any errors or omissions within this map. Any decisions made by other parties based on this map are solely the responsibility of those parties. Information contained in this map is from a number of sources and, as such, does not necessarily represent government or departmental policy. The representation of any road or track on this map is not necessarily evidence of public right of way. Persons using private roads do so at their own risk. Owner's permission should be obtained.

Accuracy Statement
While every care is taken to ensure the accuracy of this data, the State of Queensland makes no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and disclaims all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages (including indirect or consequential damage) and costs which you might incur as a result of the data being inaccurate or incomplete in any way and for any reason.

MAP PRODUCTION: 200824_West_CK_Aerial_FAM_A5L_50K_20200824 (bearsbl)
20-366

Office Use Only	
Red flag burn	No
Burn plan priority code:	High
FLAME Burn Plan ID:	13314240
Report Status:	Final
Version:	1
Version Date:	25/08/2020

Queensland Parks and Wildlife Service

Fire Report - Planned Burn

1. Identification: **Burn Plan Number:** 13314240

Fire Name: Western Creek Rd

Fire Year (1 Jan to 31 Dec): 2020

Burn type: Planned Burn

Damage / Injury Summary files/s:

Multimedia file/s:

GPX file/s:

Fire map:

Point of Origin:

2. Fire Location Details:

Region: South West

Management Area:

Management Unit (SR) Eastern Downs

Work Unit (RIC) Southern Downs

Estate:

General Location: Western Creek Rd

3. Ignited by:

Who ignited / managed the planned burn:

Name and contact details: Martin Ambrose

Date/time (hrs): Aug 25 2020 10:01AM

Organisation (Ignited by): QPWS

Ignition Tactic: Ground-based and Aerial

4. Reporting:

Report prepared by:

Name: Gary Hearle Date/Time (hrs) Oct 27 2020 12:00AM

Information reported by:

Name: Gary Hearle Date/Time (hrs) Oct 26 2020 11:48AM

Fuel characteristics prior to fire:

Overall Fuel Hazard Rating: Not Assessed

Overall Quantity of Fuel:

Overall Curing (grasslands only):

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Fire responsibility (lead agency managing this fire): QPWS

Coverage average over the mapped fire area (%): %

6. Fire Status: Out

Fire out: date/time (hrs): Oct 26 2020 11:48AM

7. Duration of control effort:

First Crew Mobilised	First Crew Arrived at Fire	Fire contained	Final Patrol Ceased
Date/Time (hrs)	Date/Time (hrs)	Date/Time (hrs)	Date/Time (hrs)
Aug 24 2020 9:02AM	Aug 25 2020 7:00AM	Aug 25 2020 4:00PM	Oct 18 2020 12:30PM

8. Damage & Injuries: Did any of the following result from this fire?:

Damage or Injuries summary: nil

Injury/near hit details:

Fatality:	No
Serious Injury/LTI:	No
Minor Injury:	No
Near hit:	No
None:	Yes

Injury quantity report (numbers):

Fatality (number):	
Serious Injury/LTI (Fire-fighters only - number):	
Minor Injury (Fire-fighters only - number):	

Property damage details:

QPWS Infrastructure	No
SLM Infrastructure	No
DAF Infrastructure	No
QPWS Plant and Equipment	No
SLM Plant and Equipment	No
DAF Plant and Equipment	No
Lessee Assets	No
Permittee Assets	No
Neighbour/Private Assets	No
Local Government/Other Agency Assets	No
Fencing	No
Stock Killed	No
Primary Dwellings	No
Cultural Heritage Sites	No
Timber Plantations	No
Native Commercial Timber	No
Other	No
Unknown	No
None	Yes

Published on DES Disclosure Log Act 2009

Property damage quantity report (numbers):

Fencing Kilometers:

Stock killed:

Primary dwellings:

Cultural heritage sites:

Plantation hectares:

Native Commercial Timber Hectares:

Other:

Other (details):

9. Area burnt/treated (final):

	Area Burnt	Final	
		(ha)	Proportion (%)
	On department estate	4,222.56	98.54
	Off department estate	62.46	1.46
	Total	4,285.02	100.00

BURN PLANS AFFECTED

10. n/a

11. Monitoring plots: State the site numbers of any monitoring plots burnt and provide details relevant to the monitoring project:

Site Name / Number	Comments

12. General Comments (Provide brief comment on current actions, predictions or other information relevant to the fire. Should include time/date of comment, current incident controller and contact phone number, and control objective). All previous advice will be made visible in order of reporting, but cannot be changed only updated.

25/8 beacons lit 1000am, plane started igniting 1030. worked east west from north open edge between point A and I. few small spotovers burning well

patrolled 31/8 secure

3/9 patrolled couple of hot spots near northern boundary picked up remotely, inside boundary and still secure

7/9 remotely monitoring still getting occasional hot spots showing internally

17/9remotely monitoring, getting occasional hotspot within burn boundary

8/10 been very active in the last week, patrolled intermittently, all activity inside the box. one small spot on edge which burnt itself out that day. continue to monitor remotely.

13/10 escaped to the east (separate wildfire report) activity in block to be monitored

19/10 patrolled over weekend 17-18/10. activity in burn area very little. rain over fireground 18/10 with more forecast later in week. continue to monitor

26/10 rain over fireground last five days more forecast, no further activity been noted

13. Fire Summary:

SEE SIT REP
some large pockets reignited and eventually escaped to the east.

14. Has a Critical Incident Advice been Issued: No

Was the IMT formed: No If yes, roles in IMT:

Published on DES Disclosure Log Act 2009

15. Remedial Actions/Critical Issues identified in Debrief (final): No

Details:

16. Assessment of measurable objectives (planned burn): (Note: a fire management zone includes sub-zone/s, fire regime group/s and fire vegetation groups that replace a Fire Association).

Fire Management Zone/s:	Approx % of Area Burnt occupied by this FMZ or subzone	Fire severity	Management issues being addressed	Measurable Objectives	Assessment results • Achieved • Partially achieved • Not achieved	Assessment comments
Land Management Sustainable Production	99.00	Moderate	Hazard reduction (fuel management) burns	Reduce overall fuel hazard to low or moderate. Or Reduce fuel load to < 5 tonnes/ha.	Achieved	effective

17. Weather observations (mandatory – minimum = 3 times a day) (attach further records as required):

Date	Time	Wind speed (km / h)	Wind direction	Temperature (°C)	Relative humidity (%)	KBDI	Curing (%)	Other
25/08/2020	9:54	19	SW	18	27			
26/08/2020	9:55	11	E	21	27			

18. Costs:

Item		Source	Unit of Measure	Amount Required	Cost Rate ($)	Costs($)
Personnel	QPWS staff		Standard Hours		20.25	0.00
	Other staff		Standard Hours		20.25	0.00
Allowances	Travel		Total Cost	4751.3	1.00	4,751.30
	Other		Total Cost			0.00
Equipment	Internal - plant/equipment			7965.34	1.00	7,965.34
	Leased/hired heavy plant					0.00
	Additional plant/equipment hire					0.00
Vehicles / aircraft	QFleet vehicle usage		Days	2159.55	1.00	2,159.55
	Aircraft hire		Total Cost	4663.64	1.00	4,663.64
	Helicopter hire		Total Cost			0.00
Materials & Consumables	Fuels / Oils		Total Cost	1166.31		1,166.31
	Other		Total Cost	789.54		789.54
					Total:	21,495.68

19. Fire funding source: 1002700

Published on DES Disclosure Log Act 2009

Expenditure: 21495.68

20. Fireline repairs (details): NIL

Expenditure: 0

21. Final fire map

Reliability Code:

Reliability Comment:

Published on DES Disclosure Log Act 2009

22. Fire Report Map/s

23. Return Year (a reminder when this area needs to be burnt again):

Year: 2020

Comments:

Published on DES Disclosure Log Act 2009

Western Creek State Forest – Tinkers Creek (O'Connor) wildfire – QPWS Synopsis

- QPWS South West Region implemented an approved planned burn for hazard reduction purposes on Western Creek State Forest (FLAME ID -Western Creek State Forest/P/2020/001) in late August 2020.
- QPWS fire crews monitored the burn area through active on-ground patrolling and through remote sensing over the ensuing two months.
- Due to deteriorating fire conditions and/or reignition through lightning or other means, a fire spotted out of the original burn area in early November 2020.
- Despite best endeavours by QPWS and QFES, fire impacted neighbouring properties to the north of Western Creek State Forest.
- Fire suppression on the neighbouring properties was hampered by difficult access, poor fire weather conditions and significant accumulated fuel loadings.

Timeline of events

- The planned burn area was approximately 4200 hectares in total and would utilise both ground and aerial ignition tactics .
- Prior to the planned burn implementation, and as per planned burn protocols, the Ranger-in-Charge contacted all adjoining neighbours and ensured that all fire management trails were upgraded using heavy plant (bare-earther to a width of about 10 metres). This included a shared boundary break.
- **24 August 2020** - All burn conditions outlined and approved in the planned burn proposal were met and the 'Go to Burn' authorised by Senior Ranger, Martin Ambrose.
- **25 August 2020** - The planned burn was implemented with aerial ignition (in a 100 metre by 100 metre grid) commencing at around 1030hrs that morning and continuing until 1700 hrs. QPWS and DAF fire crews on the ground monitored and assisted with burning out edges.
- **26 August 2020** - The fire was recorded as contained but QPWS fire crews maintained, patrolling to monitor containment.
- **31 August 2020** - QPWS fire crews maintained, patrolling to monitor containment.
- **7 September 2020** - Small active fire hotspots near northern boundary noted in viewing satellite (Planet) imagery (can we add this?) but inside planned burn boundary and still secure.
- **17 September 2020** - Small active fire hotspots near northern boundary noted in viewing satellite imagery but inside planned burn boundary and still secure.
- **8 October 2020** - More active fire hotspots near northern boundary noted in viewing satellite imagery but inside planned burn boundary and still secure. One small spot on edge which burnt itself out that day. Continued to monitor remotely.
- **11 October 2020** – a fire spotted to the east (separate wildfire report see below) covering an area (once contained) to about 1030 hectares including 15 hectares off estate to the north. The fire also entered the property to the north) Personal ir and QPWS Fire Crews with heavy plant were deployed to contain this fire. Weather recordings - Relative Humidity was measured down to 8%.
- **15 October 2020** – QPWS fire crews maintained, patrolling to monitor containment. Spot fires in the east and north were contained.

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- **17 October 2020** - QPWS fire crews maintained, patrolling to monitor containment.
- **18 October 2020** - QPWS fire crews maintained, patrolling to monitor containment.
- **19 October 2020** - patrolled over weekend 17-18/10/2020. Activity of fire in burn area very little. Rain over fire ground 18/10/2020 with more forecast later in week. Continue to monitor.
- **26 October 2020** – 20mm rain over fire ground last five days with more forecast, no further fire activity been noted.
- **27 October 2020** – The fire ground was subject to numerous lightning strikes. The fire area to the east of the original fire ground was deemed safe and out.
- **2 November 2020** – Small active fire hotspots near northern boundary noted in viewing satellite (Planet) imagery but inside planned burn boundary and still secure.
- **3 November 2020** - QPWS fire crews maintained, patrolling to monitor containment.
- **4 November 2020** – at 1200hrs a 'Fire Weather Warning' was received from QFES. QPWS Fire crew checked the fireground. At 1400hrs QPWS Fire crew requests assistance to burn out an at risk area and two extra QPWS fire crews deployed. These crews arrived at 1600hrs and were briefed. An Incident Action Plan and SMEACS brief was developed and completed to burn out a section on the northern boundary where fire was not carrying in wiregrass. The crews could not achieve a good depth of black edge in some areas but overall achieved a sufficient break of around 10 metres at a minimum. QPWS fire crews returned to Dalby at around 2000hrs.
- **5 November 2020** – At 0900 hrs QPWS Fire crews arrived back on the fireground. A DAF skidder was also on site removing dangerous trees along northern boundary. By 1115hrs the entire perimeter of the fire ground had been patrolled and deemed contained with some active fire internally along northern boundary. Weather recordings were higher than the predicted conditions - at 1115hrs – 34.6^{o}C, relative humidity 11% with westerly winds at 1-15 km/h gusting to 25 km/h. At around 1400hrs several (at least 8) spot fires were actively targeted for direct attack suppression by QPWS fire crews and heavy plant. Weather conditions were deteriorating. In Dalby, the nearest weather station, pushed the Fire Danger to 'extreme' into the afternoon. There were wind gusts to 70km/hr. At 1500hrs a large spot fire was unable to be contained by heavy plant and due to the escalating nature of the fire, QPWS fire crews and heavy plant retreated for safety purposes. It was at this stage that the fire left estate. Reports are that the fire travelled two kilometres in one hour. QPWS staff met (6) Personal infor along his boundary to warn of an impending fire and he elected to self-evacuate. QPWS staff also contacted QFES at this time to advise of the situation and to request assistance. At 1645 hrs QFES crews were deployed but were unable to access property at Quemoi Road. At 1730hrs an Incident Management Team was established at the Dunmore Forestry Station with QFES taking on the lead agency response at around 1600hrs as a Level 2 incident with QPWS as Operations. A Watch and Act message was released late afternoon. QPWS continued to work to contain the western flank with heavy plant and fire unit support. QPWS also secured a contract dozer to assist on freehold and were able to reach (6) Personal infor dwelling after midnight and confirm it was unaffected. Rural Fire Brigade crews worked on the northern flank with QFES providing property protection. QFES also provided aerial support with mapping and three water bombing aircraft. Fire travelled north of Moonie pipeline overnight heading in a north-easterly direction.
- **6 November 2020** - Life and property are the main objectives of fire suppression activities with limited direct attack unless linking existing breaks. Aerial mapping completed by 0900hrs. Fire burnt over (6) Personal infor residence but no known damage

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was sustained. Fire continued to travel in a northerly direction with the potential for assets to come under threat within four hours on Weir River. Houses were deemed defendable. The Incident Action Plan outlined the containment strategy through falling back to cleared grasslands and upgrade breaks and wait for fire to travel to grasslands where containment option increased. QPWS was charged with western sector management with heavy plant and upgrading northern boundary of Western Creek State Forest to Weir River.

- **18 November 2020** – QPWS staff (Senior Ranger Western Downs, Martin Ambrose and Senior Ranger Fire, Dan Beard, met with sch4p4(6) Personal information and two other neighbours impacted by the fire sch4p4(6) Personal information 6) Personal in Neighbours each advised QPWS of their loses from the fire. All neighbours lost fencing. They collated the length of fencing (some was in common) as ~18.5 kilometres. sch4p4(6) Personal information erson sch4p4(6) Personal information It was being logged at present and a contractor allegedly lost a logging forwarder in the fire. Roads and tracks have deteriorated due to the heavy traffic associated with the movement of fire crews. As an act of goodwill, QPWS has offered to provide heavy plant (Dalby loader and grader) to reinstate roads/tracks and remove fire debris (approximately three days of work). However, this work requires some soil moisture to be effective and worthwhile. One issue that was particularly concerning (6) Personal info was a decision by a QFES controller to move a large number of 'historic piles of pushed vegetation' east about 30 metres across his main access road (with a dozer originally procured by QPWS). 6) Personal info now wants them all pushed back to their original position. 6) Personal info was concerned that the piles are now full of dirt, too close to the boundary fence and don't have a safe clearing around them so they can be effectively burnt. QPWS staff advised 6) Personal info that QPWS did not agree to this work and would not be undertaking or paying for this rehabilitation work to be undertaken. The neighbours wanted to know how they would be compensated for the damage and loss but QPWS staff advised that fencing and commercial timber on freehold land was not really a matter that they could resolve at this point in time. 4(6) Personal infor intended to contact the department's DG and give them an opportunity to assist prior to any legal process being commenced.

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