Date : 29/11/2020 8:16:28 AM
From : "KLAASSEN Ben"
To : "MERRICK Jamie"
Cc : "TRACEY Alena"
Subject : FW: Commissioner's Daily Briefing
Attachment : Commissioners Daily Briefing 29112020.pdf;
FYI

From: Michael Wassing <Michael.Wassing@qfes.qld.gov.au>
Sent: Sunday, 29 November 2020 8:12 AM
To: KLAASSEN Ben
Subject: Fwd: Commissioner's Daily Briefing

Get Outlook for iOS

From: SOC Admin <soc.admin@qfes.qld.gov.au>
Sent: Sunday, November 29, 2020 7:35:11 AM
To: QFES Executive Leadership Team <QFESeniorExecutiveManagement@qfes.qld.gov.au>; SOC Commander <SOC.Commander@qfes.qld.gov.au>; SOC State Coordinator <SOC.StateCoordinator@qfes.qld.gov.au>; Greg Leach <Greg.Leach@qfes.qld.gov.au>; SOC ILU Liaison <SOC.ILU@qfes.qld.gov.au>; State Office Senior Management <StateOfficeSeniorManagement@qfes.qld.gov.au>; QFES Media <QFES.Media@qfes.qld.gov.au>
Cc: Andrew Sbrizzi <Andrew.Sbrizzi@qfes.qld.gov.au>
Subject: Commissioner's Daily Briefing

Good morning

Please find attached Commissioner's Daily Briefing for Sunday 29 November 2020.

Kind regards,

State Operations Centre
Queensland Fire and Emergency Services I State Operational Coordination Branch
Level 2 Disaster Management Centre I 125 Kedron Park Rd I Kedron Q4031
Phone 07 3635 2461
soc.admin@qfes.qld.gov.au

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RTI Act 2009

State Operations Centre

Commissioner's Daily Briefing

Operation Exigent

Operation Quell

Operation Erudite

07:30hrs Sunday 29 November 2020

Published on DES Disclosure Log 19 Oct 2021

AREAS TO BE MONITORED TODAY

- **NCR**
  - Yesterday the whole of North Coast Region changed from a BPL 2 to 3.
- **NCR – Fraser Island – Advice level**
  - QFES has taken control of the incident and is continuing to be supported by QPWS.
  - Fire has burnt approximately 74,000 hectares.
  - Yesterday, 3 Fireboss aircraft worked for 2.5 hours on Fraser Island with some structural protection as well as cooling the fire to allow QPWS time to clear and prepare some tracks. These aircraft combined conducted 84 drops, which delivered approximately 250,000 litres of water to the fire ground over this period. This equates to each aircraft delivering approximately 3,000 litres of water every 5 minutes.
  - Linescan occurred at 12:30am this morning, and is available on TOM, Predictive Services, and FBAN.
  - Due to the expected change in weather, the fire is likely to impact Kingfisher Bay Resort complex in the coming days, and impact on Happy Valley community early next week. Preparation of structures and management lines are underway in the Happy Valley area.
  - Cathedral area visitor evacuation plan has been established. Assistance is being provided to QPS to clear the tracks and campgrounds, and disseminate information to visitors.
  - Kingfisher Bay Resort and surrounds evacuation and asset protection plans are being developed.
  - Non-essential service travel to and from the Island ceased as of 1700hrs Friday, 27 November 2020.

SUMMARY OF SIGNIFICANT REGIONAL OPERATIONS IN THE PAST 24 HOURS

s73 Irrelevant information

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s73 Irrelevant information

- **Local Fire Ban/s**
  - Due to current fire conditions and weather forecasts Declaration of Local Fire Ban are in place at the following LGA's:
    - NR - Burdekin, Charters Towers, Hinchinbrook, Townsville and Whitsunday from 0001hrs 23 November 2020 – 2359hrs 30 November 2020.
      This does not affect burning undertaken within the Sugar Industry using current permits and burning under the Notification
    - SER – Logan, Scenic Rim, Ipswich, Lockyer Valley, Somerset and Gold Coast from 0001hrs 28 November 2020 – 2359hrs 2 December 2020.

s73 Irrelevant information

AIRCRAFT ON STAND-BY

- 21 aircraft currently on stand-by:
  - Bundaberg – 10 (LAT recommenced duty today for 14 days)
  - Toowoomba – 6
  - Mackay – 1
  - Airlie Beach – 1
  - Gladstone - 1
  - Rockhampton – 1
  - Central Region Recon – 1 (operating out of Rockhampton)

QFES SUPPORT OF COVID-19 OPERATIONS as of 1600hrs 28 November 2020

s73 Irrelevant information

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s73 Irrelevant information

HOTEL QUARANTINE UPDATE

s73 Irrelevant information

SUMMARY ACCOMMODATION BOOKINGS FROM SDCC

s73 Irrelevant information

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s73 Irrelevant information

s73 Irrelevant information

Disaster Declaration

- The Queensland Disaster Declaration has been extended until 31 December 2020.

EMERGING ISSUES

- Very High Fire Danger – Southeast Coast, Wide Bay and Burnett, Darling Downs and Granite Belt, Maranoa and Warrego, Channel Country, and Central Highlands and Coalfields districts.

BUSINESS CONTINUITY IMPACTS OR ISSUES

- Nil.

INTERSTATE ASSISTANCE AND CROSS BORDER ARRANGEMENTS

- SOCB is continuing to monitor Interstate Assistance availability and cross border arrangements during COVID.

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Date : 2/12/2020 12:22:06 PM
From : "CUBIS Mick"
To : "KLAASSEN Ben" , "CAMBOURN Neil" , "SPINKS Troy" , "MCLAUGHLIN Marty"
Cc : "DARGUSCH Marc" , "DAVIES Matt"
Subject : FW: Dot point advice update - 01.12.2020
Attachment : Dot point advice update - 01.12.2020.docx;image001.png;image002.jpg;

Guys, latest update FYI.

Mick Cubis
Regional Director, Coastal and Islands Region
GBRMCI | QPWS & Partnerships
Department of Environment and Science
P: 07 54471137 M: Personal info
240 Moorindil Street, Tewantin
Qld 4565
mick.cubis@des.qld.gov.au

From: DAVIES Matt <Matt.Davies@des.qld.gov.au>
Sent: Wednesday, 2 December 2020 11:45 AM
To: DARGUSCH Marc; CUBIS Mick; CONNOR Nathan; CIR Fire Team; BLACKMAN Boyd; SEELEITHER Jamie; HARVEY Peter; YETMAN Brendon; rachel.killer@bac-kgari.org
Cc: BULLEY Graeme; TAPPLY Jenna; LAYFIELD Wayne; BARRACLOUGH Emma; TAPPLY Jenna
Subject: FW: Dot point advice update - 01.12.2020

I realise this is late however wanted to advise that I will now be using the daily advice prepared at IMT by QFES for QPWS sit reps.

Deputy IC (QPWS) provides information for this advice so should cover off on our needs.

Matt

Matt Davies
Senior Project Officer – Technical Support
Coastal and Islands Region I Queensland Parks and Wildlife Service
Department of Environment and Science
P (07) 5459 6102 | **M** Personal info | **E:** matt.davies@des.qld.gov.au
12 First Avenue, Maroochydore Q. 4558

From: ICC North Coast Region Maryborough <ICCNorthCoastRegion.Maryborough@qfes.qld.gov.au>
Sent: Wednesday, 2 December 2020 11:35 AM
To: DAVIES Matt
Subject: FW: Dot point advice update - 01.12.2020

From: James Gill <James.Gill@qfes.qld.gov.au>
Sent: Tuesday, 1 December 2020 6:26 PM
To: SOC Admin <soc.admin@qfes.qld.gov.au>; Matthew Bulow <Matthew.Bulow@qfes.qld.gov.au>
Cc: ROC North Coast <ROC.NorthCoast@qfes.qld.gov.au>; ICC North Coast Region Maryborough <ICCNorthCoastRegion.Maryborough@qfes.qld.gov.au>
Subject: Dot point advice update - 01.12.2020

Good Afternoon SOC

Daily dot point Fraser Island summary for today attached.

Please note the staff numbers at Kingfisher Bay Resort and Village (KBRV) including planned movement from staff accommodation into hotel accommodation.

Regards

James

Chief Superintendent James Gill
ROC NCR Coordinator
QFES - North Coast Region
319 Kent St

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MARYBOROUGH QLD 4650
Ph- (07) 4122 0347 Mobile- Personal info
E – james.gill@qfes.qld.gov.au

North Coast Region
Innovation, Progression and Inclusion
"Enhancing One QFES
in the Premier Region"

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TO: Inspector Andrew Sbrizzi, Ministerial Liaison Officer	**MECS NO:**
SUBJECT: Update regarding Incident No: QF4-20-116117 Fraser Island (K'gari) as at 1700hrs Tuesday 1 December 2020	**DATE: 01 December 2020**

Update from the Rainbow Beach Incident Control Centre, at 1700hrs Tuesday 01 December 2020:

Changes from last report are in blue text.

- Currently, an estimated 81,500 hectares of K'Gari (Fraser Island) has burned; equating to approximately 50% of the Island's total area.
- The fire has burned since mid-October and QFES took over incident management from Queensland Parks and Wildlife Service (QPWS) on Friday 27 November.
- QFES resources pre-deployed to Fraser Island are 49 personnel and 18 appliances.
- QPWS resources on Fraser Island are 25 personnel and 13 vehicles.
- A joint QFES, QPWS and Butchulla Aboriginal Corporation Incident Management Team has been established at Rainbow Beach Community Centre.
- Over the weekend, the fire generally moved in a West/South West direction. This continued Monday. On Tuesday, conditions were milder and fire spread was less in many areas.
- There are multiple fire fronts including one which is currently 3.0 kilometres north east from Kingfisher Bay Resort and Village (KBRV) having travelled approximately about 200m today crossing to the south side of Boon Boon Creek (See below map)
  - A watch and act – prepare to leave warning was issued for KBRV this morning when mapping confirmed that the fire had crossed Boon Boon Creek
  - Extensive water bombing has held the western end of the fire at Boon Boon Creek largely in place whilst tactically, the eastern edge was allowed to progress southwards in order to shape the fire flank to pass east of KBRV.
  - To date, this strategy has been progressing according to plan
  - Predictive analysis has been conducted for a variety of scenarios for the future of this fire front.
  - This modelling will be continually reviewed and updated with the latest weather forecasts and fire spread observations.
  - Aircraft taskings for continued fire suppression are being prepared for approval for Wednesday's operations.
  - QFES Incident Management has been actively engaged with KBRV management for many days. KBRV did not evacuate under the direction of QFES but proactively chose to close the resort in the interests of the comfort and safety of their visitors.
  - QFES is fully supportive of this proactive decision taken by KBRV management.
  - KBRV Management advised today, that 62 staff were being accommodated at the resort. The number was expected to reduce to approximately 47 staff late this afternoon as more staff depart the island.
  - Should the remaining KBRV staff be required to leave the resort, KBRV Management have advised that 6 staff will remain to provide services (food etc) for firefighting personnel.
  - QFES and KBRV personnel are relocating from staff accommodation on the northern side of the resort to the hotel accommodation on the southern side of the resort. This move will be completed on Wednesday 2 December 2020.

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- A second fire front reached the eastern beach south of the Cathedrals Resort on Sunday. Preventative backburning and fire suppression activity occurred around the resort and no damage has been reported at this time.
- Extensive aerial suppression bombing supported by on ground fire fighters has been undertaken at K'Gari Camp (owned by a Butchulla group) which is just south of the Cathedrals and no major damage has been reported to this time. Further strengthening of containment lines were undertaken today.
- The current northerly winds are driving this fire front southwards towards the Happy Valley township, but modelling suggests that any impact is likely to be more than 48 hours away. Further strengthening of containment lines around the township are planned for Wednesday.
- There is a further fire front of significance which is approaching the well-known "Valley of the Giants" area in the centre of the island. This is a wet sclerophyll forest and the fire is likely to continue through it based on current modelling. Options are being actively considered for mitigation of this front however suppression is unlikely, and the fire is expected to progress through this 350-hectare feature. Advice from QPWS is that the trees are generally fire adapted and ecological damage should be reduced if the fire is of a relatively low intensity. Si

Significant cultural information - Butchulla people

Significant cultural information - Butchulla people - Butchulla people

- The forecast weather conditions, dryness of the environment, difficult access and topography and diverse fuel (vegetation) types make fire management difficult and the fire is unlikely to be securely contained until significant rain is received.
- A change of QFES Incident Controller will occur on Wednesday, 2 December 2020, with Rural Fire Service Area Director (Caloundra), Inspector Matthew Inwood, relieving Superintendent James Haig.
- Fire and Rescue Service Manager of Professional Development (North Coast Region), Inspector Bernard Massingham, commenced as Deputy Incident Controller (Asset Protection) today
- QPWS Senior Project Officer Matt Davies commenced as Deputy Incident Controller (Landscape) today.
- A recovery cell in the IMT commenced Tuesday 1 December 2020 led by QPWS and includes representatives from Fraser Coast Regional Council (FCRC), Queensland Police Service (QPS) and QFES.

James Haig

Incident Controller

1700hrs 01/12/2020

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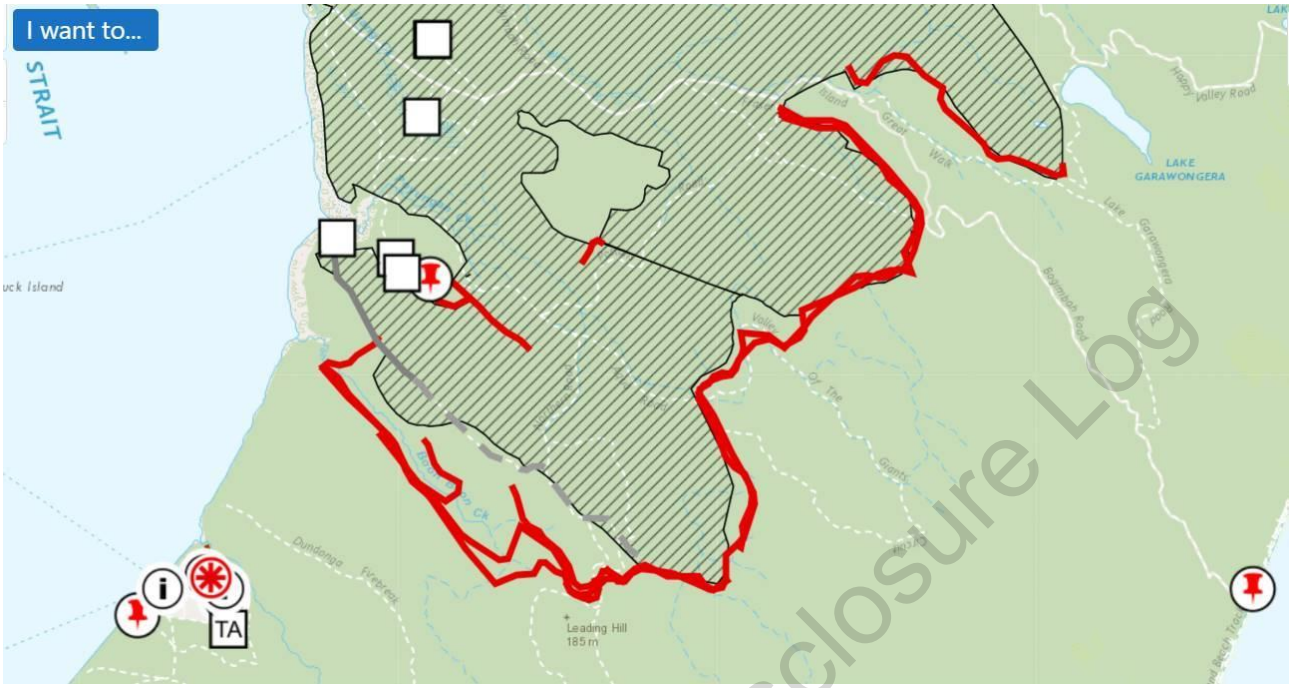

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Date : 3/12/2020 7:50:05 AM
From : "MERRICK Jamie"
To : "Hannah Jackson" , "KLAASSEN Ben" , "CAMBOURN Neil"
Subject : FW: Flash Brief from the Commissioner, Queensland Fire and Emergency Services, Fraser Island (K'Gari) fires 2020 - 03/12/20
Attachment : Fraser Island - Drop Records.pdf;QFES Flash Brief - 3 December 2020.docx;image002.jpg;image001.png;image003.png;
FYI

Jamie Merrick
Director-General
Department of Environment and Science
07 3338 9304 | Jamie.Merrick@des.qld.gov.au
Level 32, 1 William Street, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001

From: Margot Gladstone <Margot.Gladstone@qfes.qld.gov.au>
Sent: Thursday, 3 December 2020 7:46 AM
To: Ellen McIntyre; nick.barter@ministerial.qld.gov.au; daniel.carvosso@ministerial.qld.gov.au; shane.lowry@ministerial.qld.gov.au; phil.willmington@ministerial.qld.gov.au; rebecca.mcgarrity@premiers.qld.gov.au; david.stewart@premiers.qld.gov.au; Gollschewski.StephanW@police.qld.gov.au; MERRICK Jamie; Kyla.Hayden@premiers.qld.gov.au
Cc: Greg Leach; Michael Wassing; Adam Stevenson; Mark Roche (QFES); Tim Whittaker; QFES Commissioner Staff Officer; Jane Houston; Andrew Sbrizzi; Caitlin Duncan; Sara Simmons; Simon Dobbie
Subject: Flash Brief from the Commissioner, Queensland Fire and Emergency Services, Fraser Island (K'Gari) fires 2020 - 03/12/20

Good morning

Please find attached a Flash Brief (with attachment) from Queensland Fire and Emergency Services (QFES) on the Fraser Island (K'Gari) fires as at 7.45am, Thursday 3 December 2020.

This brief will be provided each morning in the short term.

If you have any queries, please contact Jane Houston, Chief of Staff, Commissioner's Office, QFES on 0428 048 561.

Cheers
Margot

Margot Gladstone
Executive Manager
Executive and Ministerial Services
Queensland Fire and Emergency Services
Phone: 07 3635 3789 **| Mob:** Personal in
Post: GPO Box 1425, Brisbane Qld 4001
Email: margot.gladstone@qfes.qld.gov.au
Mail Cluster 6.9

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QFES Air Operations

Incident - Fraser Island

Date	Aircraft	Total number of litres dropped (Combined)
28/11/2020 Saturday	Fire Bosses x 3 Fixed Wing 802's x 2 Helitak x 1 Larger Air Tanker x 1	250,000 Litres
29/11/2020 Sunday	Fire Bosses x 3 Fixed Wing 802's x 2 Helitak x 1 Larger Air Tanker x 1	225,000 Litres
30/11/2020 Monday	Fire Bosses x 3 Fixed Wing 802's x 2 Helitak x 1 Larger Air Tanker x 1	432,200 Litres
01/12/2020 Tuesday	Fire Bosses x 3 Fixed Wing 802's x 2 Helitak x 1 Larger Air Tanker x 1	615,000 Litres
02/12/2020 Wednesday	Fire Bosses x 3 Fixed Wing 802's x 4 Helitak x 1 Larger Air Tanker x 1	345,000 Litres
03/12/2020 Thursday	Fire Bosses x 3 Fixed Wing 802's x 4 Helitak x 1 Larger Air Tanker x 1	0 Litres
Total dropped to date		1,867,200 Litres

Correct @ 0700 03/12/2020

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Subject: K'gari (Fraser Island) Fire Update	
Requested by: Jane Houston, Chief of Staff to the Commissioner, Queensland Fire and Emergency Services	
To: Commissioner, Queensland Fire and Emergency Services	
Date: 3 December 2020	**MinCor #:** xxxx-xxxx **RecFind #:**

1. Background

- Currently, an estimated 82,000 hectares of K'Gari (Fraser Island) has burned; equating to approximately 50% of the Island's total area.
- QFES resources pre-deployed to Fraser Island are 50 personnel and 21 appliances.
- QPWS resources on Fraser Island are 25 personnel and 13 vehicles; and 1 QPWS Contracted Positrack with 2 personnel.
- A joint Incident Management Team (IMT) – QFES, QPWS and Butchulla Aboriginal Corporation – has been established at Rainbow Beach Community Centre.

2. Issues

- On Wednesday, conditions were milder and fire spread was less in many areas.
- There are multiple fire fronts including one which is currently 2.0 kilometres east from Kingfisher Bay Resort and Village (KBRV). QFES plans to actively attack the fire with water bombing aircraft to reduce the fire's intensity and rate of spread whilst also looking at opportunities to improve access for ground crews in an effort to contain the fire.
- QPWS are bringing 3 machines (Loader, Positrack and Excavator) to the island on Thursday 3/12 to clear along Cornwells Rd.
    - Extensive water bombing has held the western end of the fire at Boon Boon Creek largely in place whilst tactically, the eastern edge was allowed to progress southwards in order to shape the fire flank to pass east of KBRV. Water bombing has occurred along the western flank south to Cornwells Rd to slow the progress of the fire.
    - Predictive analysis has been conducted for a variety of scenarios for the future of this fire front. This modelling will be continually reviewed and updated with the latest weather forecasts and fire spread observations.
    - Aircraft taskings for continued fire suppression are being prepared for approval for early operations on Thursday morning.
    - KBRV Management advised, that 7 staff remain on the island with the rest of the staff being relocated to the mainland. These staff members have been left in situ to accommodate/feed etc. the QFES personnel.
- Extensive aerial suppression bombing supported by on ground fire fighters has been undertaken at K'Gari Camp (owned by a Butchulla group) which is just south of the Cathedrals and no major damage has been reported to this time. Further strengthening of containment lines were undertaken today.

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- The current northerly winds are driving this fire front southwards towards the Happy Valley township, but modelling suggests that any impact is likely to be more than 48 hours away. Consultation has taken place throughout the day with members of the Happy Valley RFB who produced an asset protection strategy. QFES resources will be utilised in conjunction with the provided strategy to defend assets. Air observation is taking place over the Northern part of this fire. A further 2x FRS appliances with crew will proceed to Happy Valley sector this afternoon to take up with DivCom.
- There is a further fire front of significance which is approaching the well-known "Valley of the Giants" area in the centre of the island. This is a wet sclerophyll forest and the fire is likely to continue through it based on current modelling. Options are being actively considered for mitigation of this front however suppression is unlikely, and the fire is expected to progress through this 350-hectare feature. Advice from QPWS is that the trees are generally fire adapted and ecological damage should be reduced if the fire is of a relatively low intensity. Significant cultural information - Butchulla people Water bombing operations have occurred late on Wednesday using fresh water to slow fire spread Significant cultura.

3. Remedial Action

- The forecast weather conditions, dryness of the environment, difficult access and topography and diverse fuel (vegetation) types make fire management difficult and the fire is unlikely to be securely contained until significant rain is received.
- On Wednesday, 2 December 2020, Premier Annastacia Palaszczuk directed Queensland's Inspector General for Emergency Management, Alistair Dawson, to examine all aspects of the preparedness and response to the Fraser Island bushfire.
- Gary McCormack, Assistant Commissioner North Coast Region, contacted Councillor George Seymour, Mayor of Fraser Coast Regional Council, to provide an update regarding current fire activity and future operational intent over the next few days.
- Fraser Coast Regional Council (FCRC) LDMG moved to Stand UP with FCRC Local Social Recovery Committee Stood Up in response to the K'Gari (Fraser Island) Fires. Outcome items from meeting included consideration by QPWS to re-open northern areas of island for tourism.
- Community Bushfire Warnings issued Wednesday, 2 December 2020:
  - Prepare to Leave: Kingfisher Bay Resort and Village (part of the K'gari, Fraser Island Bushfire). Warnings issued at 0745 and 1410 hours.
- QFES Air Operations advised that a total of 1,867,200 Litres of combined suppressants had been dropped between Saturday 28 November 2020 and 0700 hours Wednesday 3 December 2020.
  - Wednesday 2nd December, 345,000 litres were delivered from 8 aircraft, including 7 fixed wing water bombers and a Helitak helicopter.
  - Thursday 3rd December, QFES has available 8 water bombers, a Helitak helicopter and a Large Air Tanker to deliver aerial fire suppression as required,
- Kingfisher Bay Resort (KFBR) is maintaining a skeleton crew to assist in management of resort, with KFBR management still working on a staffing model for their Eurong resort.

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- Community resident numbers (approximate numbers) are as follows:
  - Orchid Beach has 54 permanent residence and less than 20 tourists (by the weekend this will probably be 0).
  - Happy Valley has 26 permanent residence (this includes care takers and shop workers from Poyungan to Happy Valley). 4 tourists are left and will be 0 by the weekend. 16 owners/family members will stay to defend their houses today and tomorrow.
    - Eurong 2nd valley has 9 permanent residence (one who is in her late 80's and very independent). 0 guests. Eurong Resort has 32 live-in staff and 0 guests. Staff will be moved off island and housed at Hervey Bay at the company's expense in the event they have to move.

4. Recommendation

- That you note the contents of this brief.

Matthew Bulow
STATE CO-ORDINATOR

3 / 12 / 2020

Greg Leach
COMMISSIONER

/ /
Noted

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Date : 20/10/2020 12:07:39 PM
From : "CAMBOURN Neil"
To : "KLAASSEN Ben"
Subject : FW: FMP/tactics for Duling CZ Wildfire
Attachment : Some intelligence information for Fraser Islnd North End Bushfire;image001.png;image002.png;image003.png;image004.png;image005.png;image006.png;image007.png;image009.png;image011.png;

Ben some anxieties from a local QFES officer attempting to pressure our guys into backburning in extreme risk conditions on the K'gari fire.
I have just had a meeting with Mick, Marc, Leigh and Troy to discuss our plan and strategy.
We will not be backburning at this point, and will continue maintaining a watching position.
QFES updated advice attached.

Neil

Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7518 M [redacted]
Level 5, 400 George Street, Brisbane QLD 4000

From: CAMBOURN Neil
Sent: Tuesday, 20 October 2020 10:34 AM
To: CUBIS Mick; DARGUSCH Marc; HARRIS Leigh; SPINKS Troy
Subject: FW: FMP/tactics for Duling CZ Wildfire

fyi

Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7518 M [redacted]
Level 5, 400 George Street, Brisbane QLD 4000

From: CAMBOURN Neil
Sent: Tuesday, 20 October 2020 10:33 AM
To: James Haig
Subject: FW: FMP/tactics for Duling CZ Wildfire

Hi James, as discussed, the interactions are in the email below re the K'gari fire.
Our guys are getting unwarranted pressure from local officer Andrew Marnie to back burn around Orchid Beach township in conditions that are prescribed in the BOM advice received from QFES as "Backburning is not advised/ extremely risky".
As per our discussion, should there be any risk to Orchid Beach life or property this matter needs to be led by QFES as the State's lead for fire where it threatens life and property.
The fact that QFES have advised they don't want to lead this fire, we assume that life and property is not currently under threat and we will continue to work as the Incident Control to attempt to manage the bushfire in the landscape.

The advice on the water bombing aircraft being deployed to assist this morning, and your offer to provide the predictive modelling to our IC is appreciated thanks.

Thanks, Regards Neil

Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7518 M [redacted]
Level 5, 400 George Street, Brisbane QLD 4000

From: CUBIS Mick <Mick.Cubis@des.qld.gov.au>
Sent: Tuesday, 20 October 2020 9:45 AM
To: CAMBOURN Neil
Cc: HEAD Damien; DARGUSCH Marc
Subject: FW: FMP/tactics for Duling CZ Wildfire

Neil,

QFES response fyi.

Mick Cubis
Regional Director, Coastal and Islands Region
GBRMCI | QPWS & Partnerships
Department of Environment and Science
P: 07 54471137 M [redacted]
240 Moorindil Street, Tewantin
Qld 4565
mick.cubis@des.qld.gov.au

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>
Sent: Tuesday, 20 October 2020 9:39 AM
To: CUBIS Mick
Subject: FW: FMP/tactics for Duling CZ Wildfire

Mick – post latest request to 'stop lighting'. A chronology relating to the tactics decision for Tuesday 20Oct2020 sits below:

9.09am Call from Mick Cubis – okay to start light-up due to 'life and property issue' as unable to get onto ED/ADG.
9.12am I rang James Kuskie (QPWS-IC) to 'start lighting' and work with QFES to undertake as per joint plan.
9.13am I rang for Andrew Marnie (QFES) but he was on another call. Left msg to call me.
9.17am Call from Mick Cubis – stop lighting advice from ADG, unless QFES take ownership of fire effort.
9.18am Andrew Marnie (QFES) rang back - I let him know we needed to stop light-up and the only option to continue with light-up tactic today was for QFES to take control of the fire.
9.20am I rang James Kuskie as IC to 'stop lighting'.
9.22am Andrew Marnie (QFES) rang back again – QFES will definitely not be taking control of the fire and he asked for contact point for ADG so that his hierarchy could interact at level. He also asked for information about who was who in line management and where our ADG sat within the system.

Andrew has requested QPWS stance be put in writing.

Regards, Marc

Marc Dargusch
Principal Ranger – Great Sandy Area
Coastal and Islands Region | QPWS and Partnerships
Department of Environment and Science
M [redacted] P 07 54869960
Level 6, 12 on First Avenue, Maroochydore 4558
www.des.qld.gov.au

I give my respect to the traditional and custodial Aboriginal and Torres Strait Island Elders and Owners of the Land in which I work, live and walk.

From: DARGUSCH Marc
Sent: Tuesday, 20 October 2020 9:07 AM
To: CUBIS Mick
Subject: RE: FMP/tactics for Duling CZ Wildfire

Hi Mick –anything I can do to assist in getting timely decision ?

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Ta, M

From: DARGUSCH Marc
Sent: Tuesday, 20 October 2020 8:22 AM
To: CUBIS Mick
Subject: RE: FMP/tactics for Duling CZ Wildfire

Mick – Just had call from Andrew Marnie. He has approval from QFES side (Peter Hollier) to backburn behind the Orchid Beach township ASAP on the basis of protecting life and property. They want to commence at 9am.

I'll call you.

Regards, Marc

From: DARGUSCH Marc
Sent: Tuesday, 20 October 2020 8:02 AM
To: CUBIS Mick
Subject: FW: FMP/tactics for Duling CZ Wildfire

Hiya – wildfire factors have changed overnight. The fire has advanced significantly to the east across K'gari (nearly to Corroboree Beach) which exposes Orchid Beach to the southerly wind change (refer hotspot maps at bottom of email).

Anyways – I've talked with Andrew Marnie (QFES) and he is currently packaging up things from his side which I will send through. It is highly likely that QFES will want to burn due to threat to life and property.

Talk more soon.

Regards, Marc

From: DARGUSCH Marc
Sent: Tuesday, 20 October 2020 7:38 AM
To: LAVENDER Sven; KUSKIE James
Cc: YETMAN Brendon; DARGUSCH Anthony
Subject: FW: FMP/tactics for Duling CZ Wildfire

Guys – just flagging that there is currently ***no approval*** to put fire into the Duling CZ wildfire.

I've spoken with Andrew Marnie (QFES) and we both acknowledged that we need both organisations (QFES/QPWS) to give nod to backburning at Exec level prior to light-up as some of the factors that drive the need to backburn are diametrically opposed:

The case for no backburning includes:

Choose Wildfire or HRB
Wildfire Behaviour Guidance

3 Day Look Ahead - Daily Peak Wildfire Behaviour Guidance in the Vicinity of
FRASER ISLAND in NORTH COAST Region, MARYBOROUGH Rural Area assuming Heath & Shrubland Fuel

Monday, 19 October 2020	With a forecast peak daily fireline intensity of 8566kW/m in Heath using the Advanced Heath rate of spread model, Direct Attack on the head fire is potentially UNSAFE / backburning is potentially RISKY. Fire behaviour is likely to be a highly vigorous, rapidly spreading surface fire with an estimated peak daily forward rate of spread of 1764m/hr, exhibiting regular torching (or passive crown fire, with possible periodic crowning). Heath fuels are more resistant to changes in humidity and may continue to burn overnight and in high humidity. Heath is also a threshold fuel, which means it may not carry vigorous fire until the wind reaches a threshold, and then it can rapidly intensify and spread.
Tuesday, 20 October 2020	With a forecast peak daily fireline intensity of 10428kW/m in Heath using the Advanced Heath rate of spread model, Direct Attack on the head fire is UNSAFE / backburning is NOT ADVISED/EXTREMELY RISKY. Fire behaviour is likely to be a dangerous, extremely vigorous, very rapidly spreading surface fire with an estimated peak daily forward rate of spread of 2147m/hr, with the potential for active and long period crowning. Heath fuels are more resistant to changes in humidity and may continue to burn overnight and in high humidity. Heath is also a threshold fuel, which means it may not carry vigorous fire until the wind reaches a threshold, and then it can rapidly intensify and spread.
Wednesday, 21 October 2020	With a forecast peak daily fireline intensity of 8593kW/m in Heath using the Advanced Heath rate of spread model, Direct Attack on the head fire is potentially UNSAFE / backburning is potentially RISKY. Fire behaviour is likely to be a highly vigorous, rapidly spreading surface fire with an estimated peak daily forward rate of spread of 1769m/hr, exhibiting regular torching (or passive crown fire, with possible periodic crowning). Heath fuels are more resistant to changes in humidity and may continue to burn overnight and in high humidity. Heath is also a threshold fuel, which means it may not carry vigorous fire until the wind reaches a threshold, and then it can rapidly intensify and spread.

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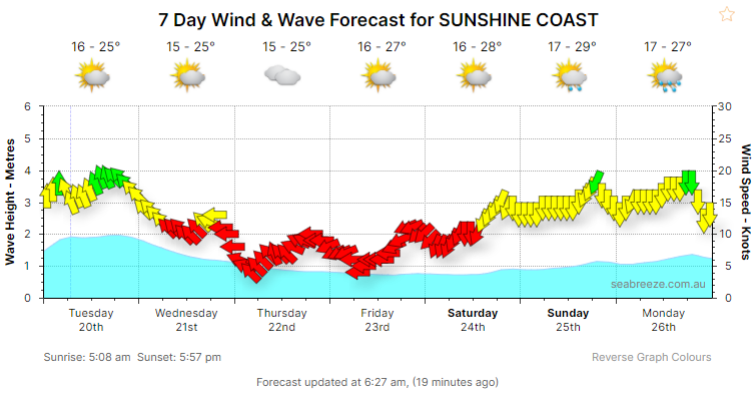
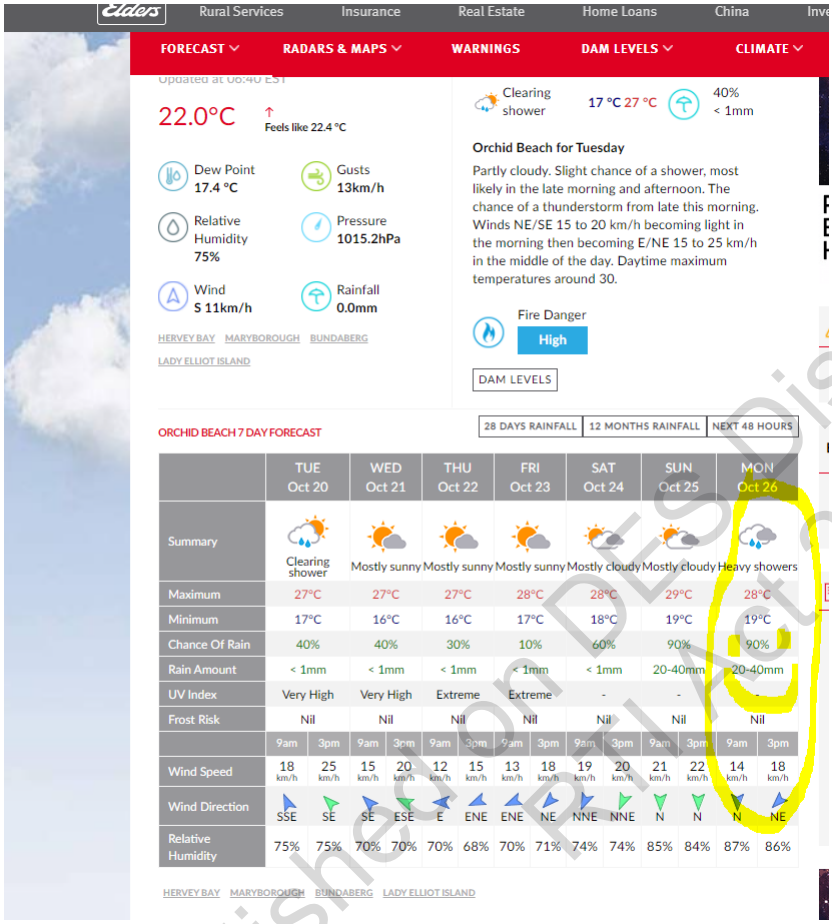
Sunshine Coast Weather Forecast





The case for backburning includes:

The fire has advanced significantly overnight ..... towards east coast meaning that there is a real threat to Orchid Beach if winds are from South.

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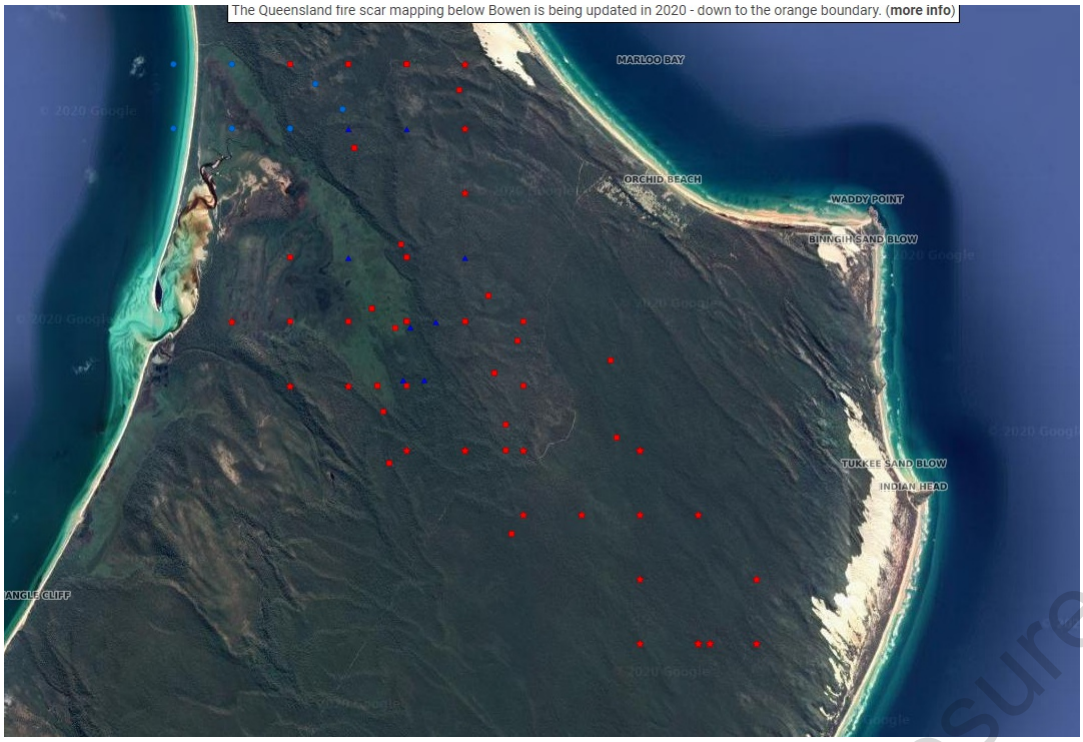

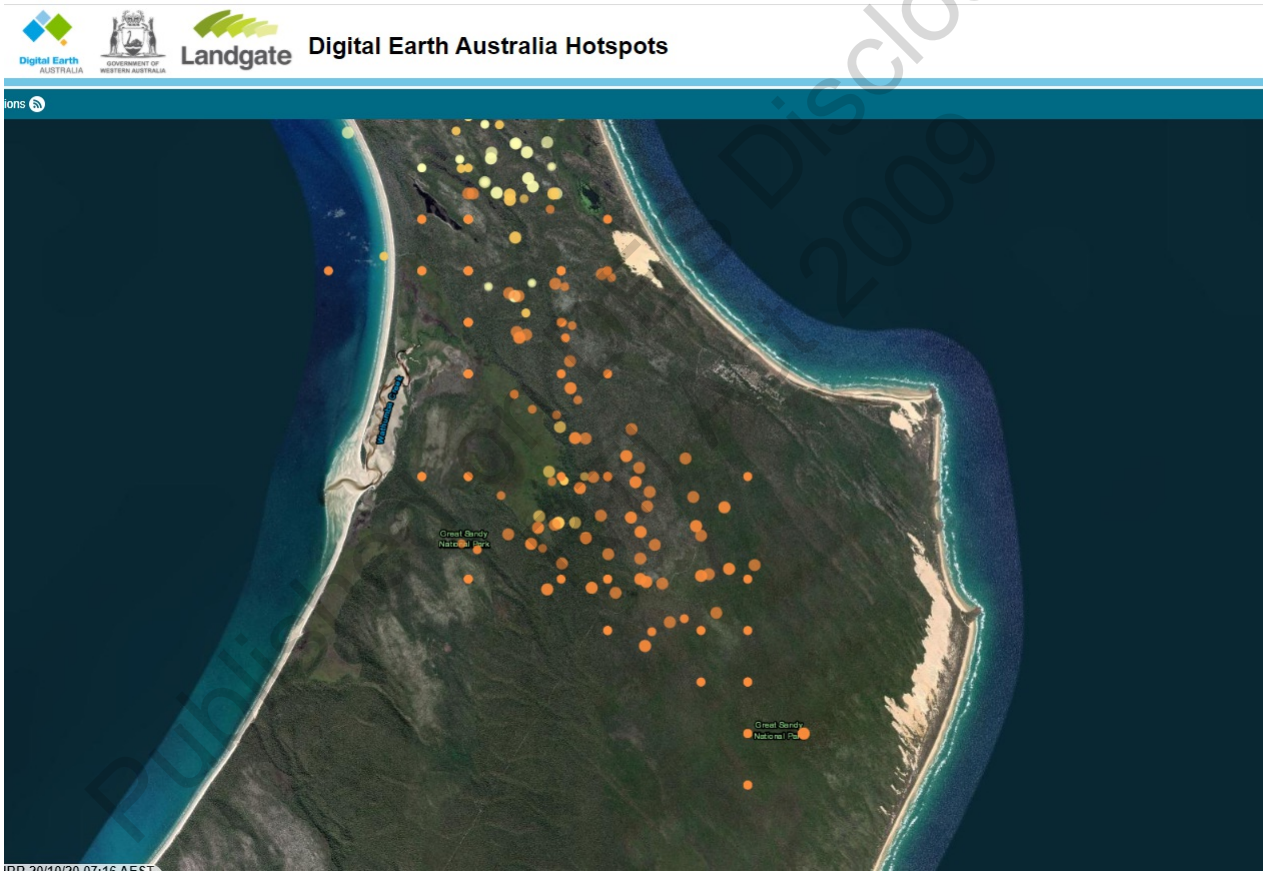

I'll continue to liaise with Andrew and QPWS hierarchy to determine a way forward. Do not put fire in block until this is sorted.

Thanks for continued work. My mobile is on if you need to talk.

Regards, Marc

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Date : 20/10/2020 11:44:29 AM
From : "James Haig"
To : "CAMBOURN Neil"
Cc : "Michael Wassing" , "John Bolger"
Subject : Some intelligence information for Fraser Islnd North End Bushfire
Attachment : Fire Behaviour Summary by Incident Fraser Island 20 10 2020.pdf;IDQ20102.pdf;Fraser updated 20201020.pdf;image001.jpg;

Hi Neil, please find attached some information on the Fraser Island Fire. To give some clarity the attachments are (in order):

- A Fire Behaviour Snap Report Fire Behaviour Summary prepared by QFES Predictive Services Unit prepared this morning which covers some of the key fire behaviour parameters. The report runs until Friday.
- A site specific weather forecast from the Bureau of Meteorology from Yesterday but also covering today. I understand an updated forecast has also been requested for preparation today. Please be aware
  That during the conversation with the senior meteorologist at the BoM, PSU was informed that the SE wind change originally forecast for later this morning in the yesterday s forecast arrived early to the fire ground this morning (I understand it may have been by 06:00 but not sure. This is good as it will reduce the westerly spread of the fire towards Orchid Beach.
- A copy of a the fire mapping from QFES mapping system (TOM) from this morning.

Additionally, as discussed over the phone, QFES will be undertaking a Large Air Tanker water drop on the fire this morning in coordination with the ground incident management. This is a regular testing run for the DASH 8 size aircraft based at Bundaberg.

I do not know whether the Incident Control Team has requested a detailed Phoenix fire prediction but, should this be required, it can be done through the QFES liaison in the IMT or direct. Certainly QFES Predictive Services Unit is very happy to support such predictive planning that the IMT requests. I understand that there has been liaison with this unit already on this fire although a full prediction may not have been done, if desired this can be done by IMTs (including QPWS only IMTs) by calling 3635 1808.

Regards

James

James Haig
Superintendent
Executive Manager Bushfire Mitigation
Office Of Bushfire Mitigation, Rural Fire Service
Queensland Fire and Emergency Services
P 07 3635 3883 **M** Personal inf

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All reasonable precautions will be taken to respect the privacy of individuals in accordance with the Information Privacy Act 2009 (Qld).

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STEP 1 - Select Incident
QF4-20-116117 FRASER ISLAND

STEP 2 - ROS Model
Heath & Shrubland

STEP 3 - Forest Fuel Load (t/ha)
10.00t/ha

STEP 4 - Heath Height (m)
1.0m

STEP 5 - Slope (Degrees)
0Deg

Fuel load selector only used Forest Model
Heath Height only used in Heath Model

Published by QFES Predictive Services Unit (PSU). For assistance, further predictive products or expert fire behaviour advice call (All Hours) (07) 3635 1808 or e-mail PSU@qfes.qld.gov.au

Incident SNAP Fire Behaviour Summary for QF4-20-116117 FRASER ISLAND for Today Tuesday, 20 October 2020

Fire Loc: Lat:-24.912 Long: 153.2777

Using Heath & Shrubland Rate of Spread Model, Slope = 0Deg

Based on BOM Forecast Data Updated @ 20/10/2020 8:16:12 AM

Note: Forecast weather does not fully account for local terrain effects on wind speed and direction.

Fuel Load Used for Calculations:
Heath / Shrubland Model Uses Height & Wind Speed, Not Load

Indicative Peak Forest Spotting Distance Today: None

HEADFIRE SAFETY: Forecast peak intensity 7623kW/m @ 15:00hr on 20th of October. Direct Attack on the headfire / Backburning may be locally achievable, but is considered LESS SAFE and LESS EFFECTIVE. . Expect around 17hr above 4000kW/m

FLANK FIRE SAFETY: Forecast peak intensity 1906kW/m @ 15:00hr on 20th of October. Direct Attack on the flank fire is indicated to be SAFE and EFFECTIVE.

PEAK WIND SPEED: Wind speed today is forecast to peak at 28km/hr from the South East

RATES OF SPREAD: In Advanced Heath expect headfire travelling North West peaking in speed around 1962m/hr @ 15:00hr, with flanks spreading around 491m/hr. Terrain will affect direction of travel.

SPOT FIRE IGNITION RISK: Given any ember/firebrand production, spot fire ignition risk is moderate. .

IGNITION EASE & SPREAD: Minimum fuel moisture 10% burning readily sustained. Expect moderately fast development consuming most surface fuels.

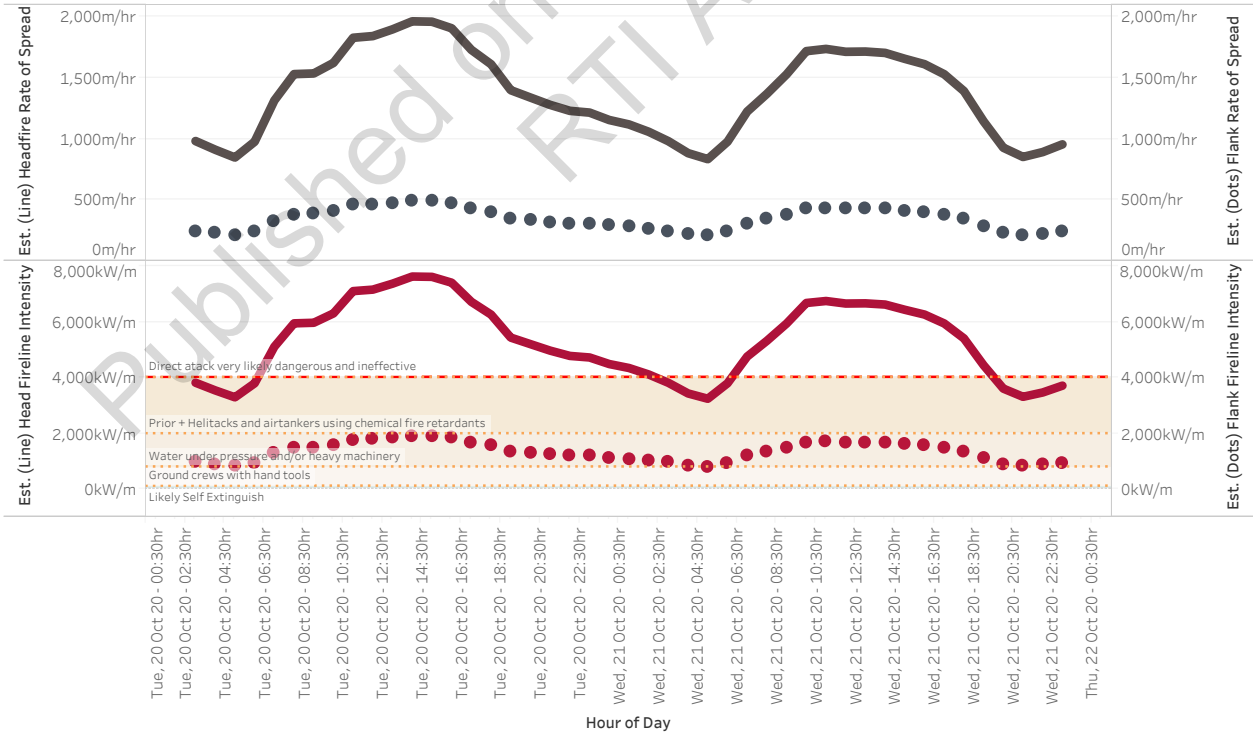
CONDITIONS TONIGHT: Between 1800hr & midnight fire is likely to continue burning for around **6hr** (i.e. hours below Fuel Moisture of **20%**)

SHOULD I BURN TODAY BASED ON COMING DAYS FDI? Yes. Normal blacking out distances and patrolling regimes recommended

Today's Peak Forest Fire Danger Index

10.4
Low-Moderate

Estimated Rate of Spread - HEADFIRE (top thick line) - FLANK No Slope (top dots) &
Fireline Intensity: HEADFIRE (bottom thick line) - FLANK No Slope (bottom dots)
for **Tue, 20 Oct 20 - 03:00hr to Wed, 21 Oct 20 - 23:00hr** in **Heath & Shrubland** Assumed Slope = 0Deg



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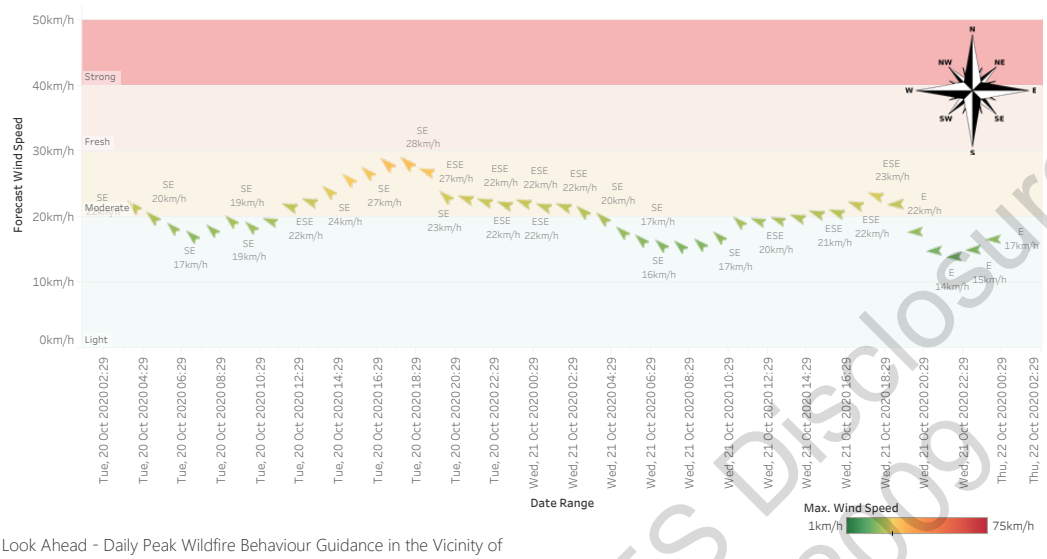
Disclaimer
This Fire Behaviour Prediction Snap Report ('this Report') is provided solely for information purposes and is not to be construed, under any circumstances, by implication or otherwise, as anything other than as the opinions of the Queensland Fire and Emergency Services Predictive Services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

6 Day Look Ahead - Estimated Peak Daily Forest Fire Danger Index Rating for QF4-20-116117 FRASER ISLAND

	Tue, October 20, 2020	Wed, October 21, 2020	Thu, October 22, 2020	Fri, October 23, 2020	Sat, October 24, 2020	Sun, October 25, 2020
QF4-20-116117 FRASER ISLAND	10.4 Low-Moderate	12.0 Low-Moderate	11.3 Low-Moderate	12.6 High	12.0 Low-Moderate	11.3 Low-Moderate

2 Day Wind Forecast in the Vicinity of Incident QF4-20-116117 FRASER ISLAND

Note: BOM forecast wind speed and direction does not fully account for local terrain effects Thus if your fire is in the lee of hills etc., direction and speed may differ from forecast.



Look Ahead - Daily Peak Wildfire Behaviour Guidance in the Vicinity of QF4-20-116117 FRASER ISLAND assuming Heath & Shrubland Fuel, Slope = 0Deg

Wednesday, 21 October 2020	With a forecast peak daily fireline intensity of 6746kW/m in Heath using the Advanced Heath rate of spread model, Direct Attack is potentially UNSAFE / backburning is potentially RISKY. Fire behaviour is likely to be a highly vigorous, rapidly spreading surface fire with an estimated peak daily headfire forward rate of spread of 1736m/hr and flank rate of spread on flat ground of 434m/hr, exhibiting regular torching (or passive crown fire, with possible periodic crowning). Heath fuels are more resistant to changes in humidity and may continue to burn overnight and in high humidity. Heath is also a threshold fuel, which means it may not carry vigorous fire until the wind reaches a threshold, and then it can rapidly intensify and spread.
Thursday, 22 October 2020	With a forecast peak daily fireline intensity of 6563kW/m in Heath using the Advanced Heath rate of spread model, Direct Attack is potentially UNSAFE / backburning is potentially RISKY. Fire behaviour is likely to be a highly vigorous, rapidly spreading surface fire with an estimated peak daily headfire forward rate of spread of 1689m/hr and flank rate of spread on flat ground of 422m/hr, exhibiting regular torching (or passive crown fire, with possible periodic crowning). Heath fuels are more resistant to changes in humidity and may continue to burn overnight and in high humidity. Heath is also a threshold fuel, which means it may not carry vigorous fire until the wind reaches a threshold, and then it can rapidly intensify and spread.
Friday, 23 October 2020	With a forecast peak daily fireline intensity of 7296kW/m in Heath using the Advanced Heath rate of spread model, Direct Attack is potentially UNSAFE / backburning is potentially RISKY. Fire behaviour is likely to be a highly vigorous, rapidly spreading surface fire with an estimated peak daily headfire forward rate of spread of 1878m/hr and flank rate of spread on flat ground of 469m/hr, exhibiting regular torching (or passive crown fire, with possible periodic crowning). Heath fuels are more resistant to changes in humidity and may continue to burn overnight and in high humidity. Heath is also a threshold fuel, which means it may not carry vigorous fire until the wind reaches a threshold, and then it can rapidly intensify and spread.

BackBurning Approval Guidance: TacD 28.05.00-Backburn and Burning Out Operations

Condition	Approval Process
Incident Controller is to approve or not approve the burning operation. Form OM 202 – Incident Controllers Checklist to Authorise Backburn Operations assists in decision-making.	
Local Forest or Grass Fire Danger Index is not predicted to exceed 30 (Very High) during the incident.	The Incident Controller can consult the Area Director, Regional Manager Rural Fire Service (RFS); Area Commander or Fire and Rescue Service (FRS) Director, Regional Operations; or On-Call Senior Officer.
Local Forest or Grass Fire Danger Index is predicted to EXCEED 30 (Very High) during the period of operation.	**Level 1 Incidents** The Incident Controller must seek approval from the Regional Manager RFS or Commander Regional Operations (or their delegate). **Level 2 or 3 Incidents** The Incident Controller appointed by the Regional Manager RFS or Commander Regional Operations can approve as part of a formalised and documented IAP.

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Detailed Weather Forecast in the Vicinity of QF4-20-116117 FRASER ISLAND

Source: Bureau of Meteorology Gridded Weather. This information may have changed since time of release.

Any Special Fire Weather Forecasts Issued will superscede this information.

Hour of Select Date Range	Headfire Fire Direction of Travel	Estimated Ignition / Carry Potential	Temperature (C)	Humidity (%)	Wind Direction (Deg)	Wind Speed (km/h)	GFDI	FFDI	Max. Combined Fuel Moisture	Max. Estimated Headfire Rate of Spread
Tue, 20/10/20 03:00	North West	Difficult, Patchy	16	100	138	22km/h	0	0.5	19%	982m/hr
Tue, 20/10/20 04:00	North West	Difficult, Patchy	16	100	139	20km/h	0	0.5	19%	911m/hr
Tue, 20/10/20 05:00	North West	Difficult, Patchy	17	100	141	18km/h	0	0.5	19%	847m/hr
Tue, 20/10/20 06:00	North West	Sustained	21	83	140	17km/h	0	1.4	16%	977m/hr
Tue, 20/10/20 07:00	North West	Readily Sustained	25	62	141	18km/h	0	4.8	13%	1,314m/hr
Tue, 20/10/20 08:00	North West	Readily Sustained	27	55	135	19km/h	0	7.3	11%	1,530m/hr
Tue, 20/10/20 09:00	North West	Readily Sustained	28	51	130	19km/h	0	8.6	11%	1,535m/hr
Tue, 20/10/20 10:00	West North West	Readily Sustained	29	50	122	19km/h	0	9.2	11%	1,622m/hr
Tue, 20/10/20 11:00	West North West	Readily Sustained	29	48	123	22km/h	0	10.4	10%	1,827m/hr
Tue, 20/10/20 12:00	West North West	Readily Sustained	29	50	124	22km/h	0	9.8	11%	1,841m/hr
Tue, 20/10/20 13:00	North West	Readily Sustained	28	53	129	24km/h	0	9.0	11%	1,896m/hr
Tue, 20/10/20 14:00	North West	Readily Sustained	27	55	136	26km/h	0	8.2	12%	1,962m/hr
Tue, 20/10/20 15:00	North West	Readily Sustained	26	58	134	27km/h	0	7.1	12%	1,959m/hr
Tue, 20/10/20 16:00	North West	Sustained	24	64	129	28km/h	0	5.3	13%	1,905m/hr
Tue, 20/10/20 17:00	North West	Sustained	22	72	128	28km/h	0	3.3	14%	1,728m/hr
Tue, 20/10/20 18:00	West North West	Sustained	21	74	123	27km/h	0	2.8	15%	1,611m/hr
Tue, 20/10/20 19:00	North West	Sustained	21	74	124	23km/h	0	2.5	15%	1,398m/hr
Tue, 20/10/20 20:00	West North West	Sustained	20	77	123	23km/h	0	2.1	15%	1,338m/hr
Tue, 20/10/20 21:00	West North West	Sustained	19	79	121	22km/h	0	1.8	16%	1,278m/hr
Tue, 20/10/20 22:00	West North West	Sustained	19	81	120	22km/h	0	1.6	16%	1,229m/hr
Tue, 20/10/20 23:00	West North West	Difficult, Patchy	19	83	122	22km/h	0	1.4	16%	1,215m/hr
Wed, 21/10/20 00:00	West North West	Difficult, Patchy	18	85	121	22km/h	0	1.2	17%	1,154m/hr
Wed, 21/10/20 01:00	West North West	Difficult, Patchy	18	88	121	22km/h	0	1.0	17%	1,118m/hr
Wed, 21/10/20 02:00	North West	Difficult, Patchy	17	90	125	21km/h	0	0.9	17%	1,058m/hr
Wed, 21/10/20 03:00	North West	Difficult, Patchy	17	92	127	20km/h	0	0.7	18%	981m/hr
Wed, 21/10/20 04:00	North West	Difficult, Patchy	16	93	126	18km/h	0	0.7	18%	883m/hr
Wed, 21/10/20 05:00	North West	Difficult, Patchy	17	92	127	17km/h	0	0.7	18%	834m/hr
Wed, 21/10/20 06:00	North West	Sustained	21	75	130	16km/h	0	2.0	15%	976m/hr
Wed, 21/10/20 07:00	North West	Readily Sustained	25	55	136	16km/h	0	5.9	12%	1,223m/hr
Wed, 21/10/20 08:00	North West	Readily Sustained	27	48	144	16km/h	0	8.8	11%	1,369m/hr
Wed, 21/10/20 09:00	North West	Readily Sustained	29	44	143	17km/h	0	11.0	10%	1,528m/hr
Wed, 21/10/20 10:00	North West	Readily Sustained	29	44	130	19km/h	0	11.7	10%	1,718m/hr
Wed, 21/10/20 11:00	West North West	Readily Sustained	29	44	122	19km/h	0	12.0	10%	1,736m/hr
Wed, 21/10/20 12:00	West North West	Readily Sustained	29	45	117	20km/h	0	11.0	10%	1,713m/hr
Wed, 21/10/20 13:00	West North West	Readily Sustained	28	47	114	20km/h	0	10.4	10%	1,715m/hr
Wed, 21/10/20 14:00	West North West	Readily Sustained	27	49	111	21km/h	0	9.4	11%	1,703m/hr
Wed, 21/10/20 15:00	West North West	Readily Sustained	26	52	104	21km/h	0	8.1	11%	1,655m/hr
Wed, 21/10/20 16:00	West North West	Readily Sustained	24	58	103	22km/h	0	5.8	12%	1,611m/hr
Wed, 21/10/20 17:00	West North West	Sustained	22	67	101	23km/h	0	3.7	14%	1,529m/hr
Wed, 21/10/20 18:00	West	Sustained	21	70	96	22km/h	0	3.0	14%	1,391m/hr
Wed, 21/10/20 19:00	West	Sustained	20	70	92	18km/h	0	2.6	14%	1,143m/hr
Wed, 21/10/20 20:00	West	Sustained	20	74	90	15km/h	0	2.0	15%	927m/hr
Wed, 21/10/20 21:00	West	Sustained	19	76	84	14km/h	0	1.6	15%	852m/hr
Wed, 21/10/20 22:00	West	Sustained	19	78	81	15km/h	0	1.5	15%	892m/hr
Wed, 21/10/20 23:00	West	Sustained	18	80	83	17km/h	0	1.4	16%	955m/hr

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Detailed Weather Forecast (2) in the Vicinity of QF4-20-116117 FRASER ISLAND

Source: Bureau of Meteorology Gridded Weather. This information may have changed since time of release.

Any Special Fire Weather Forecasts Issued will superscede this information.

Hour of Select Date Range	Headfire Fire Direction of Travel	Estimated Ignition / Carry Potential	Temperature (C)	Humidity (%)	Wind Direction (Deg)	Wind Speed (km/h)	GFDI	FFDI	Max. Combined Fuel Moisture	Max. Estimated Headfire Rate of Spread
Thu, 22/10/20 00:00	West South West	Difficult, Patchy	18	82	77	11km/h	0	1.0	16%	614m/hr
Thu, 22/10/20 01:00	West South West	Difficult, Patchy	17	84	71	11km/h	0	0.9	16%	608m/hr
Thu, 22/10/20 02:00	West South West	Difficult, Patchy	17	86	65	10km/h	0	0.8	17%	559m/hr
Thu, 22/10/20 03:00	West South West	Difficult, Patchy	16	90	58	10km/h	0	0.6	17%	548m/hr
Thu, 22/10/20 04:00	West South West	Difficult, Patchy	16	89	58	11km/h	0	0.7	17%	575m/hr
Thu, 22/10/20 05:00	West South West	Difficult, Patchy	17	89	57	10km/h	0	0.7	17%	549m/hr
Thu, 22/10/20 06:00	West South West	Sustained	21	73	56	10km/h	0	1.9	15%	646m/hr
Thu, 22/10/20 07:00	South West	Readily Sustained	25	55	55	11km/h	0	5.6	12%	906m/hr
Thu, 22/10/20 08:00	South West	Readily Sustained	28	47	48	12km/h	0	8.6	10%	1,108m/hr
Thu, 22/10/20 09:00	South West	Readily Sustained	30	42	43	12km/h	0	10.9	10%	1,160m/hr
Thu, 22/10/20 10:00	South West	Readily Sustained	30	42	49	14km/h	0	11.3	10%	1,307m/hr
Thu, 22/10/20 11:00	West South West	Readily Sustained	29	43	57	15km/h	0	10.8	10%	1,345m/hr
Thu, 22/10/20 12:00	South West	Readily Sustained	29	44	46	16km/h	0	10.7	10%	1,453m/hr
Thu, 22/10/20 13:00	South West	Readily Sustained	29	45	49	19km/h	0	10.9	10%	1,638m/hr
Thu, 22/10/20 14:00	South West	Readily Sustained	28	48	51	20km/h	0	9.8	11%	1,689m/hr
Thu, 22/10/20 15:00	South West	Readily Sustained	27	51	53	21km/h	0	8.5	11%	1,662m/hr
Thu, 22/10/20 16:00	South West	Readily Sustained	25	58	51	20km/h	0	6.0	12%	1,522m/hr
Thu, 22/10/20 17:00	South West	Sustained	23	68	53	19km/h	0	3.3	14%	1,270m/hr
Thu, 22/10/20 18:00	South West	Sustained	22	71	54	19km/h	0	2.7	14%	1,194m/hr
Thu, 22/10/20 19:00	South West	Sustained	21	72	52	17km/h	0	2.4	14%	1,063m/hr
Thu, 22/10/20 20:00	South West	Sustained	20	75	54	16km/h	0	1.9	15%	980m/hr
Thu, 22/10/20 21:00	South West	Sustained	20	78	55	15km/h	0	1.6	15%	914m/hr
Thu, 22/10/20 22:00	South West	Sustained	19	79	54	15km/h	0	1.5	16%	897m/hr
Thu, 22/10/20 23:00	South West	Sustained	19	81	54	14km/h	0	1.3	16%	812m/hr
Fri, 23/10/20 00:00	South West	Difficult, Patchy	18	83	53	14km/h	0	1.1	16%	789m/hr
Fri, 23/10/20 01:00	South West	Difficult, Patchy	18	85	52	13km/h	0	1.0	16%	717m/hr
Fri, 23/10/20 02:00	South West	Difficult, Patchy	17	86	52	12km/h	0	0.8	17%	637m/hr
Fri, 23/10/20 03:00	South West	Difficult, Patchy	17	89	51	11km/h	0	0.7	17%	598m/hr
Fri, 23/10/20 04:00	South West	Difficult, Patchy	17	88	49	12km/h	0	0.7	17%	624m/hr
Fri, 23/10/20 05:00	South West	Difficult, Patchy	18	86	47	11km/h	0	0.9	17%	604m/hr
Fri, 23/10/20 06:00	South West	Sustained	21	72	45	11km/h	0	2.1	14%	748m/hr
Fri, 23/10/20 07:00	South West	Readily Sustained	26	54	43	14km/h	0	6.2	12%	1,157m/hr
Fri, 23/10/20 08:00	South West	Readily Sustained	28	48	41	15km/h	0	8.8	10%	1,289m/hr
Fri, 23/10/20 09:00	South West	Readily Sustained	29	44	39	14km/h	0	10.2	10%	1,271m/hr
Fri, 23/10/20 10:00	South West	Readily Sustained	30	44	44	17km/h	0	11.5	10%	1,576m/hr
Fri, 23/10/20 11:00	South West	Readily Sustained	30	43	43	19km/h	0	12.6	10%	1,753m/hr
Fri, 23/10/20 12:00	South West	Readily Sustained	29	44	42	20km/h	0	11.7	10%	1,732m/hr
Fri, 23/10/20 13:00	South West	Readily Sustained	29	46	41	21km/h	0	11.3	10%	1,807m/hr
Fri, 23/10/20 14:00	South West	Readily Sustained	28	49	41	23km/h	0	10.2	11%	1,878m/hr
Fri, 23/10/20 15:00	South West	Readily Sustained	27	53	40	22km/h	0	8.3	11%	1,773m/hr
Fri, 23/10/20 16:00	South West	Readily Sustained	25	60	40	22km/h	0	5.6	12%	1,573m/hr
Fri, 23/10/20 17:00	South West	Sustained	23	69	41	21km/h	0	3.3	14%	1,342m/hr
Fri, 23/10/20 18:00	South West	Sustained	22	73	44	21km/h	0	2.6	15%	1,284m/hr
Fri, 23/10/20 19:00	South West	Sustained	21	75	38	18km/h	0	2.2	15%	1,117m/hr
Fri, 23/10/20 20:00	South West	Sustained	21	78	36	17km/h	0	1.8	15%	1,027m/hr
Fri, 23/10/20 21:00	South South West	Sustained	20	81	32	16km/h	0	1.5	16%	945m/hr
Fri, 23/10/20 22:00	South South West	Sustained	20	82	30	17km/h	0	1.4	16%	990m/hr
Fri, 23/10/20 23:00	South South West	Difficult, Patchy	19	83	27	16km/h	0	1.3	16%	920m/hr

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Detailed Weather Forecast (3) in the Vicinity of QF4-20-116117 FRASER ISLAND

Source: Bureau of Meteorology Gridded Weather. This information may have changed since time of release.

Any Special Fire Weather Forecasts Issued will superscede this information.

Hour of Select Date Range	Headfire Fire Direction of Travel	Estimated Ignition / Carry Potential	Temperature (C)	Humidity (%)	Wind Direction (Deg)	Wind Speed (km/h)	GFDI	FFDI	Max. Combined Fuel Moisture	Max. Estimated Headfire Rate of Spread
Sat, 24/10/20 00:00	South South West	Difficult, Patchy	19	85	25	16km/h	0	1.1	16%	897m/hr
Sat, 24/10/20 01:00	South South West	Difficult, Patchy	18	87	22	16km/h	0	1.0	17%	875m/hr
Sat, 24/10/20 02:00	South South West	Difficult, Patchy	18	88	20	16km/h	0	0.9	17%	843m/hr
Sat, 24/10/20 03:00	South South West	Difficult, Patchy	17	91	17	16km/h	0	0.7	17%	826m/hr
Sat, 24/10/20 04:00	South South West	Difficult, Patchy	17	90	13	17km/h	0	0.8	17%	859m/hr
Sat, 24/10/20 05:00	South South West	Difficult, Patchy	18	90	10	16km/h	0	0.8	17%	832m/hr
Sat, 24/10/20 06:00	South South West	Sustained	22	75	6	16km/h	0	2.2	15%	1,009m/hr
Sat, 24/10/20 07:00	South South West	Readily Sustained	26	57	3	20km/h	0	6.3	12%	1,490m/hr
Sat, 24/10/20 08:00	South	Readily Sustained	28	50	359	21km/h	0	9.1	11%	1,702m/hr
Sat, 24/10/20 09:00	South	Readily Sustained	29	48	356	20km/h	0	10.2	10%	1,703m/hr
Sat, 24/10/20 10:00	South	Readily Sustained	30	47	354	20km/h	0	11.0	10%	1,725m/hr
Sat, 24/10/20 11:00	South	Readily Sustained	30	45	350	21km/h	0	12.0	10%	1,825m/hr
Sat, 24/10/20 12:00	South South East	Readily Sustained	30	46	347	19km/h	0	11.2	10%	1,681m/hr
Sat, 24/10/20 13:00	South	Readily Sustained	30	48	352	20km/h	0	10.7	10%	1,743m/hr
Sat, 24/10/20 14:00	South	Readily Sustained	29	51	355	22km/h	0	9.2	11%	1,775m/hr
Sat, 24/10/20 15:00	South	Readily Sustained	27	56	358	22km/h	0	7.3	12%	1,673m/hr
Sat, 24/10/20 16:00	South South West	Readily Sustained	25	64	6	22km/h	0	4.9	13%	1,511m/hr
Sat, 24/10/20 17:00	South South West	Sustained	23	75	9	21km/h	0	2.5	15%	1,266m/hr
Sat, 24/10/20 18:00	South South West	Sustained	22	81	10	21km/h	0	1.9	15%	1,196m/hr
Sat, 24/10/20 19:00	South South West	Sustained	21	82	12	21km/h	0	1.8	16%	1,200m/hr
Sat, 24/10/20 20:00	South South West	Difficult, Patchy	21	85	14	20km/h	0	1.4	16%	1,098m/hr
Sat, 24/10/20 21:00	South South West	Difficult, Patchy	20	87	15	19km/h	0	1.2	17%	1,036m/hr
Sat, 24/10/20 22:00	South	Difficult, Patchy	20	90	349	19km/h	0	1.0	17%	995m/hr
Sat, 24/10/20 23:00	South South East	Difficult, Patchy	19	92	348	19km/h	0	0.9	17%	950m/hr
Sun, 25/10/20 00:00	South	Difficult, Patchy	19	94	356	20km/h	0	0.8	18%	972m/hr
Sun, 25/10/20 01:00	South South East	Difficult, Patchy	19	96	347	19km/h	0	0.7	18%	924m/hr
Sun, 25/10/20 02:00	South	Difficult, Patchy	18	97	351	18km/h	0	0.6	18%	867m/hr
Sun, 25/10/20 03:00	South	Difficult, Patchy	18	100	349	18km/h	0	0.5	18%	820m/hr
Sun, 25/10/20 04:00	South	Difficult, Patchy	18	100	350	19km/h	0	0.5	19%	858m/hr
Sun, 25/10/20 05:00	South South East	Difficult, Patchy	19	100	341	18km/h	0	0.6	18%	851m/hr
Sun, 25/10/20 06:00	South South East	Sustained	22	84	340	19km/h	0	1.6	16%	1,084m/hr
Sun, 25/10/20 07:00	South South East	Readily Sustained	26	62	340	23km/h	0	5.5	13%	1,619m/hr
Sun, 25/10/20 08:00	South South East	Readily Sustained	29	54	339	24km/h	0	8.8	11%	1,912m/hr
Sun, 25/10/20 09:00	South South East	Readily Sustained	30	51	338	23km/h	0	10.2	11%	1,908m/hr
Sun, 25/10/20 10:00	South South East	Readily Sustained	30	50	345	23km/h	0	10.4	11%	1,915m/hr
Sun, 25/10/20 11:00	South South East	Readily Sustained	31	49	339	25km/h	0	11.3	10%	2,051m/hr
Sun, 25/10/20 12:00	South South East	Readily Sustained	30	52	340	24km/h	0	10.0	11%	1,919m/hr
Sun, 25/10/20 13:00	South South East	Readily Sustained	30	53	341	24km/h	0	9.3	11%	1,895m/hr
Sun, 25/10/20 14:00	South South East	Readily Sustained	29	57	345	24km/h	0	7.9	12%	1,850m/hr
Sun, 25/10/20 15:00	South	Readily Sustained	27	61	350	23km/h	0	6.0	12%	1,669m/hr
Sun, 25/10/20 16:00	South	Sustained	26	68	353	23km/h	0	4.2	13%	1,532m/hr
Sun, 25/10/20 17:00	South	Sustained	24	79	354	22km/h	0	2.3	15%	1,298m/hr
Sun, 25/10/20 18:00	South	Sustained	23	83	352	22km/h	0	1.8	16%	1,220m/hr
Sun, 25/10/20 19:00	South	Sustained	22	83	354	22km/h	0	1.8	16%	1,254m/hr
Sun, 25/10/20 20:00	South	Difficult, Patchy	22	87	359	21km/h	0	1.3	16%	1,108m/hr
Sun, 25/10/20 21:00	South South West	Difficult, Patchy	21	89	2	20km/h	0	1.2	17%	1,042m/hr
Sun, 25/10/20 22:00	South South West	Difficult, Patchy	21	91	3	20km/h	0	1.0	17%	1,012m/hr
Sun, 25/10/20 23:00	South	Difficult, Patchy	20	92	359	18km/h	0	0.9	17%	941m/hr

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Fire in surface fuels only

Flame Height = 0.5-1.0m,

Forward Rate of Spread = 50-100m/hr

Intensity ~ 200 to 400 kW/m

Direct Attack Very Safe / Very Effective

Fire in surface and bark fuels

Flame Height = 1.5 m (plus height of bark fires),

Forward Rate of Spread = 100-300 m/hr

Intensity ~ 500 to 1000 kW/m

Direct Attack Safe / Effective

Fire in Surface, Bark and Elevated Fuels

Flame Height = 1.5 to3 m,

Forward Rate of Spread = 300-500 m/hr

Intensity ~ 1500 to 2500 kW/m

Direct Attack Safe / Effective

Fire in Surface, Bark and Elevated Fuels

Some Passive Crowning

Flame Height = 3 to 5 m,

Forward Rate of Spread = 500-1200 m/hr

Intensity ~ 3000 to 4000 kW/m

Direct Attack Safe / Effective (Upper end)

Fire in Surface, Bark and Elevated Fuels

Periodic Active Crowning

Flame Height = 5 to 10 m,

Forward Rate of Spread = 1200-2000 m/hr

Intensity ~ 4000 to 10000 kW/m

Direct Attack NOT Safe / NOT Effective

Fire in Surface, Bark and Elevated Fuels

Sustained Active Crowning

Flame Height > 10 m,

Forward Rate of Spread >2000 m/hr

Intensity ~ > 10000 kW/m

Direct Attack NOT Safe / NOT Effective

Assumptions:
Fuel / Moisture Models:
1. Forest is the McArthur Mk 5 model using the Matthews Fuel Moisture reformulation.
2. The Heath model is Anderson's Heath Model with the Fuel Moisture Model therein.
3. Grass Models are the CSIRO Grass models for Eaten Out (1.5t/ha) , Grazed (3.5(t/ha) and Natural (5t/ha).
4. Woodlands used the Natural Grass ROS model with a speed speed reduction factor applied based on % canopy cover as outlined in the AFAC Rate of Spread guide.

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Australian Government
Bureau of Meteorology

IDQ20102
Australian Government Bureau of Meteorology
Queensland

Incident Weather Forecast for Fraser Island

Issued at 11:41 am EST on Monday 19 October 2020.

Incident Type: Wildfire	Website Form No: 003
Forecast Location: 1.4 km south of Lake Yeenan	Request No: 4
Latitude/Longitude: -24.91 153.238611	Fax Number: ##
Elevation (metres ASL): 43-70	Contact Ph: Personal inform 07 3635 1808
Fuel Type: Other	Contact Name: Russell Stephens-Peacock
	Email: russell.stephens-peacock@qfes.qld.gov.au

Significant wind changes during the forecast period, including uncertainties

Winds are expected to be moderate from the northwest during the day today (25-30 km/hr). From late this evening (around 8pm), winds should become light (around 10km/hr) from the northeast, before a moderate southeasterly chance (around 20 km/hr) arrives early tomorrow morning, at around 1am. These southeasterly winds will persist and strengthen during the day tomorrow, up to 25 km/hr.

Forecast thunderstorm potential, precipitation and cloud, including uncertainties

40% chance of showers overnight tonight with the southeasterly change, reducing to a 20% chance tomorrow afternoon before clearing. Nil chance of thunderstorms during the forecast period. Pyrocumulus is possible but dry lightning is unlikely.

Spatial variation of conditions and other important information

The nearest, most similar observation site is Hervey Bay, with current conditions of 26C, 25 km/hr northerly winds and relative humidity of 60%.

30 Hour Forecast commencing 1200 hours Monday 19 October 2020

Drought factor: 10 **Curing value (%): 35** **Fuel Load (t/ha): 3.8**

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)			1000m AGL Wind (km/h)		FFDI	GFDI	cHaines	Mix Height (m) MSL	TAL
				Dir	Speed	Gust	Dir	Speed					
1200	30	17	46	WNW	25	40	NW	20	13	0	3	2300	0
1300	30	17	46	NW	25	35	NW	20	13	0	3	2200	0
1400	30	17	46	NW	25	40	NW	20	13	0	4	2200	0
1500	29	17	48	NNW	25	45	WNW	15	11	0	4	2000	0
1600	27	17	54	NNW	25	45	W	15	9	0	5	1500	0
1700	25	18	65	NNW	30	45	W	15	6	0	5	1000	0
1800	23	18	73	NNW	25	45	W	15	4	0	5	800	0
1900	23	18	73	NNW	15	25	W	15	3	0	5	600	0
2000	22	18	78	NE	10	15	W	15	2	0	5	600	0
2100	21	18	83	NE	10	15	W	10	2	0	4	400	0
2200	21	18	83	ENE	10	15	ESE	10	2	0	4	300	1
2300	20	18	88	ENE	10	15	E	10	1	0	3	100	1
0000	19	18	94	NE	10	15	ENE	10	1	0	3	0	1
0300	17	17	100	SE	20	30	SW	5	1	0	2	0	1

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30 Hour Forecast commencing 1200 hours Monday 19 October 2020													
Drought factor: 10			**Curing value (%): 35**				**Fuel Load (t/ha): 3.8**						
Local Time	**Temp (C)**	**Dewpt (C)**	**RH (%)**	**10m Wind (km/h)**			**1000m AGL Wind (km/h)**		**FFDI**	**GFDI**	**cHaines**	**Mix Height (m) MSL**	**TAL**
				Dir	**Speed**	**Gust**	**Dir**	**Speed**					
0600	17	17	100	SE	20	30	SSW	5	1	0	2	0	1
0900	27	18	58	SE	15	25	S	15	6	0	1	2000	1
1200	29	17	48	ESE	15	30	SSE	20	9	0	1	2400	0
1500	27	17	54	SE	25	40	SE	30	9	0	1	2100	0
1800	22	17	73	SE	25	45	SE	30	4	0	1	1100	0

AGL - Above Ground Level, RH - Relative Humidity, Dir - Direction, Dewpt - Dew Point, cHaines - Continuous Haines (0-13), TAL – Thunderstorm Activity Level (0-3). Note: Mixing height is above Mean Sea Level (MSL), to get AGL height subtract incident elevation from value given.

Outlook for Tuesday

Maximum temperature 29 C. Minimum relative humidity about 50%. Chance of at least 5 mm rainfall 10%. 9 am conditions: Temperature: 27 C; Relative humidity: 55%; Wind: SE 15 km/h. 3 pm conditions: Temperature: 27 C; Relative humidity: 55%; Wind: SE 25 km/h.

Outlook for Wednesday

Maximum temperature 29 C. Minimum relative humidity about 40%. Chance of at least 5 mm rainfall 5%. 9 am conditions: Temperature: 27 C; Relative humidity: 50%; Wind: SE 15 km/h. 3 pm conditions: Temperature: 28 C; Relative humidity: 45%; Wind: E 20 km/h.

Outlook for Thursday

Maximum temperature 29 C. Minimum relative humidity about 40%. Chance of at least 5 mm rainfall 5%. 9 am conditions: Temperature: 27 C; Relative humidity: 50%; Wind: NE 10 km/h. 3 pm conditions: Temperature: 28 C; Relative humidity: 50%; Wind: NE 15 km/h.

Outlook for Friday

Maximum temperature 30 C. Minimum relative humidity about 45%. Chance of at least 5 mm rainfall 0%. 9 am conditions: Temperature: 28 C; Relative humidity: 50%; Wind: N 15 km/h. 3 pm conditions: Temperature: 29 C; Relative humidity: 50%; Wind: N 20 km/h.

* ##

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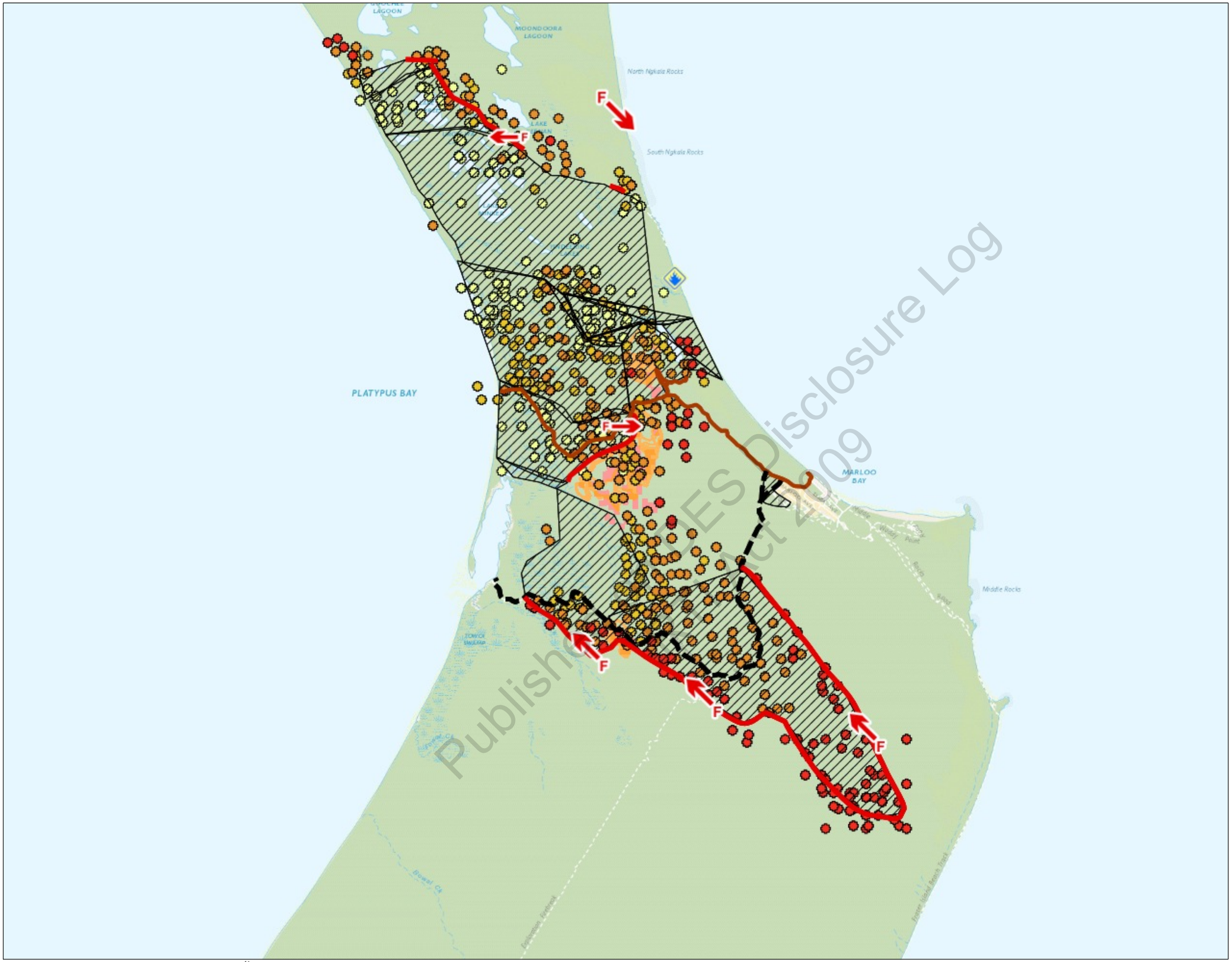
TOM Map

Fraser Island



Legend

Current Incidents

- FIRE VEHICLE *
- FIRE VEHICLE *
- FIRE VEGETATION
- FIRE VEGETATION EXPOSURES
- (FIRE VEGETATION)
- PERMITTED BURN (ATTENDANCE)
- HAZARD *
- HAZARD *
- HAZARD *
- HAZARD *
- HAZARD *
- FIRE STRUCTURE *
- FIRE STRUCTURE *
- FIRE STRUCTURE *
- FIRE STRUCTURE *
- FIRE STRUCTURE *
- (FIRE STRUCTURE)
- ASSIST ANIMAL RESCUE
- ALARM *
- ALARM *
- ALARM *
- ALARM *
- ASSIST EXTREME WEATHER
- RESCUE ROAD *
- RESCUE ROAD *
- RESCUE ROAD *
- RESCUE ROAD *
- RESCUE WATER ALL TYPES

Fire Direction

- Fire E
- Fire N
- Fire NE
- Fire NW
- Fire S
- Fire SE
- Fire SW
- Fire W

Fire Lines

- Access Track
- Back Burn - Completed
- Back Burn - Planned
- Evacuation Route
- Fire Control Line - Completed
- Fire Control Line - Planned
- Fire Edge - Active
- Fire Edge - Predicted
- Powerlines
- Sector Boundary

Fire Areas

- Burnt Area - Current
- Control Area

All Current Hotspots

- Perimeters
- Hour Spot

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Disclaimer: This product has been prepared for Queensland Fire and Emergency Services and Public Safety Business Agency. Other users must satisfy themselves it is accurate and suitable for their purpose. QFES & PSBA does not accept any liability for any loss or damage that may arise from the use of or reliance on this information.

Queensland Government

File P Release

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Kilometres

WGS_1984_Web_Mercator_Auxiliary_Sphere

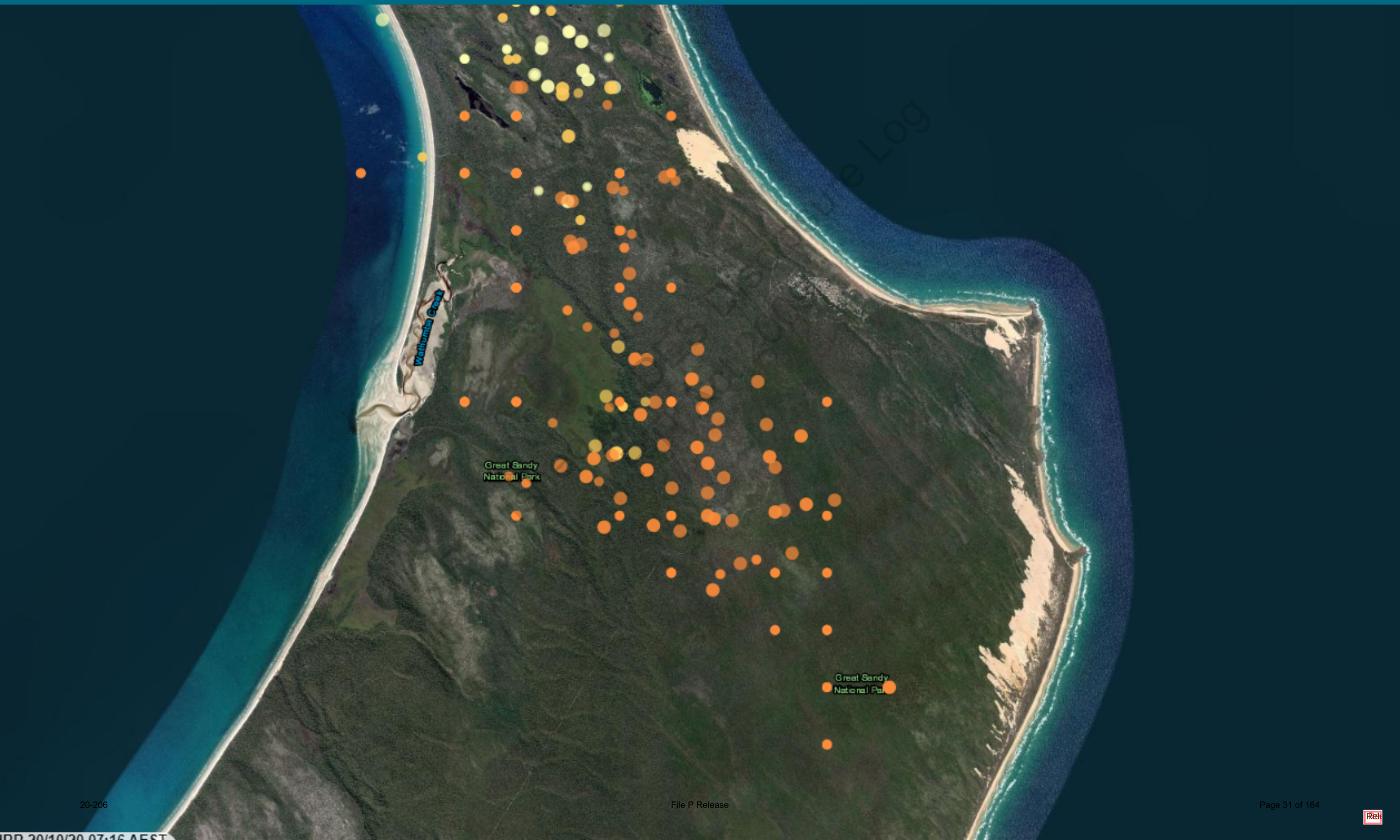
This map was automatically generated using Geocortex Essentials.

GDA

A3 map produced at:
October 20, 2020 10:23:21 AM

Digital Earth Australia Hotspots

ions



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Date : 4/12/2020 9:49:55 AM
From : "CAMBOURN Neil"
To : "MERRICK Jamie" , "KLAASSEN Ben"
Subject : FW: FMP/tactics for Duling CZ Wildfire
Attachment : image006.png;image009.png;image010.png;image011.png;image012.png;image013.png;image001.png;image002.png;
See also the highlight below

Neil Cambourn
Executive Director
Queensland Parks and Wildlife Service
Department of Environment and Science
P 07 3199 7518 **M** Persona
Level 5, 400 George Street, Brisbane QLD 4000

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>
Sent: Tuesday, 20 October 2020 10:30 AM
To: CUBIS Mick
Cc: CAMBOURN Neil; HEAD Damien
Subject: RE: FMP/tactics for Duling CZ Wildfire

A bit more of an update after talking to James Kuskie and Andrew Marnie on speaker phone:

9.45am (13m3s duration)

- Confirmed with James K that lighting actually did not start on the Orchid Beach fireline. The crews are awaiting further orders.
- Andrew Marnie said a number of other things have been put in place whilst decisions are being made:
  - Large fixed wing water bomber (10 000l) will drop load of freshwater (town sourced) east/west near Orchid to slow rate of spread of fire towards town.
  - Requesting chopper for aerial surveillance rather than fixed wing with view to doing 30min trips of town if required. Possible base – Orchid Beach.
  - Further predictive modelling being prepared.
- James K asked what further tasks should be looked at. MD advice:
  - Provide support for staff at fireline – this type of situation is frustrating and gets people hot under collar. Pls. manage this sensitively. QPWS needs time to get things right at a higher level and that is what is happening now. This will then facilitate good decisions.
  - Make sure we are working towards ensuring southern fireline is in the condition it needs to be in. Ensure right equip in place – wildfire takes priority.
  - Know that I am bedding down extra IMT resource (that will operate remote to Dundubara) with focus on communication/media/website + can do some logistics work. This position will be part of IMT and answer to the IC.
- James advised that he will finish as IC end of today and they are looking at putting Matt Palmer in for tomorrow.

Regards, M

From: DARGUSCH Marc
Sent: Tuesday, 20 October 2020 9:39 AM
To: CUBIS Mick
Subject: FW: FMP/tactics for Duling CZ Wildfire

Mick – post latest request to 'stop lighting'. A chronology relating to the tactics decision for Tuesday 20Oct2020 sits below:

9.09am Call from Mick Cubis – okay to start light-up due to 'life and property issue' as unable to get onto ED/ADG.
9.12am I rang James Kuskie (QPWS-IC) to 'start lighting' and work with QFES to undertake as per joint plan.
9.13am I rang for Andrew Marnie (QFES) but he was on another call. Left msg to call me.
9.17am Call from Mick Cubis – stop lighting advice from ADG, unless QFES take ownership of fire effort.
9.18am Andrew Marnie (QFES) rang back - I let him know we needed to stop light-up and the only option to continue with light-up tactic today was for QFES to take control of the fire.
9.20am I rang James Kuskie as IC to 'stop lighting'.
9.22am Andrew Marnie (QFES) rang back again – QFES will definitely not be taking control of the fire and he asked for contact point for ADG so that his hierarchy could interact at level. He also asked for information about who was who in line management and where our ADG sat within the system.

Andrew has requested QPWS stance be put in writing.

Regards, Marc

Marc Dargusch
Principal Ranger – Great Sandy Area
Coastal and Islands Region | QPWS and Partnerships
Department of Environment and Science
M Personal **P** 07 54869960
Level 6, 12 on First Avenue, Maroochydore 4558
www.des.qld.gov.au

I give my respect to the traditional and custodial Aboriginal and Torres Strait Island Elders and Owners of the Land in which I work, live and walk.

From: DARGUSCH Marc
Sent: Tuesday, 20 October 2020 9:07 AM
To: CUBIS Mick
Subject: RE: FMP/tactics for Duling CZ Wildfire

Hi Mick –anything I can do to assist in getting timely decision ?

Ta, M

From: DARGUSCH Marc
Sent: Tuesday, 20 October 2020 8:22 AM
To: CUBIS Mick
Subject: RE: FMP/tactics for Duling CZ Wildfire

Mick – Just had call from Andrew Marnie. He has approval from QFES side (Peter Hollier) to backburn behind the Orchid Beach township ASAP on the basis of protecting life and property. They want to commence at 9am.

I'll call you.

Regards, Marc

From: DARGUSCH Marc
Sent: Tuesday, 20 October 2020 8:02 AM
To: CUBIS Mick
Subject: FW: FMP/tactics for Duling CZ Wildfire

Hiya – wildfire factors have changed overnight. The fire has advanced significantly to the east across K'gari (nearly to Corroboree Beach) which exposes Orchid Beach to the southerly wind change (refer hotspot maps at bottom of email).

Anyways – I've talked with Andrew Marnie (QFES) and he is currently packaging up things from his side which I will send through. It is highly likely that QFES will want to burn due to threat to life and property.

Talk more soon.

Regards, Marc

From: DARGUSCH Marc
Sent: Tuesday, 20 October 2020 7:38 AM
To: LAVENDER Sven; KUSKIE James
Cc: YETMAN Brendon; DARGUSCH Anthony
Subject: FW: FMP/tactics for Duling CZ Wildfire

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Guys – just flagging that there is currently ***no approval*** to put fire into the Duling CZ wildfire.

I've spoken with Andrew Marnie (QFES) and we both acknowledged that we need both organisations (QFES/QPWS) to give nod to backburning at Exec level prior to light-up as some of the factors that drive the need to backburn are diametrically opposed:

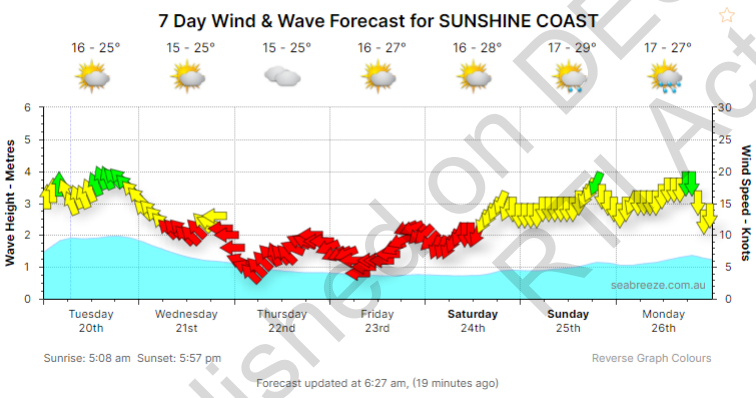
The case for no backburning includes:

Choose Wildfire or HRB
Wildfire Behaviour Guidance

3 Day Look Ahead - Daily Peak Wildfire Behaviour Guidance in the Vicinity of
FRASER ISLAND in NORTH COAST Region, MARYBOROUGH Rural Area assuming Heath & Shrubland Fuel

Monday, 19 October 2020	With a forecast peak daily fireline intensity of 8566kW/m in Heath using the Advanced Heath rate of spread model, Direct Attack on the head fire is potentially UNSAFE / backburning is potentially RISKY. Fire behaviour is likely to be a highly vigorous, rapidly spreading surface fire with an estimated peak daily forward rate of spread of 1764m/hr, exhibiting regular torching (or passive crown fire, with possible periodic crowning). Heath fuels are more resistant to changes in humidity and may continue to burn overnight and in high humidity. Heath is also a threshold fuel, which means it may not carry vigorous fire until the wind reaches a threshold, and then it can rapidly intensify and spread.
Tuesday, 20 October 2020	With a forecast peak daily fireline intensity of 10428kW/m in Heath using the Advanced Heath rate of spread model, Direct Attack on the head fire is UNSAFE / backburning is NOT ADVISED/EXTREMELY RISKY. Fire behaviour is likely to be a dangerous, extremely vigorous, very rapidly spreading surface fire with an estimated peak daily forward rate of spread of 2147m/hr, with the potential for active and long period crowning. Heath fuels are more resistant to changes in humidity and may continue to burn overnight and in high humidity. Heath is also a threshold fuel, which means it may not carry vigorous fire until the wind reaches a threshold, and then it can rapidly intensify and spread.
Wednesday, 21 October 2020	With a forecast peak daily fireline intensity of 8593kW/m in Heath using the Advanced Heath rate of spread model, Direct Attack on the head fire is potentially UNSAFE / backburning is potentially RISKY. Fire behaviour is likely to be a highly vigorous, rapidly spreading surface fire with an estimated peak daily forward rate of spread of 1769m/hr, exhibiting regular torching (or passive crown fire, with possible periodic crowning). Heath fuels are more resistant to changes in humidity and may continue to burn overnight and in high humidity. Heath is also a threshold fuel, which means it may not carry vigorous fire until the wind reaches a threshold, and then it can rapidly intensify and spread.

Sunshine Coast Weather Forecast



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Elders Rural Services Insurance Real Estate Home Loans China Inve

FORECAST RADARS & MAPS WARNINGS DAM LEVELS CLIMATE

Updated at 06:40 EST

22.0°C ↑ Feels like 22.4 °C

Dew Point 17.4 °C
Gusts 13km/h
Relative Humidity 75%
Pressure 1015.2hPa
Wind S 11km/h
Rainfall 0.0mm

HERVEY BAY MARYBOROUGH BUNDABERG LADY ELLIOT ISLAND

Clearing shower 17 °C 27 °C 40% < 1mm

Orchid Beach for Tuesday

Partly cloudy. Slight chance of a shower, most likely in the late morning and afternoon. The chance of a thunderstorm from late this morning. Winds NE/SE 15 to 20 km/h becoming light in the morning then becoming E/NE 15 to 25 km/h in the middle of the day. Daytime maximum temperatures around 30.

Fire Danger High

DAM LEVELS

ORCHID BEACH 7 DAY FORECAST

28 DAYS RAINFALL | 12 MONTHS RAINFALL | NEXT 48 HOURS

	TUE Oct 20	WED Oct 21	THU Oct 22	FRI Oct 23	SAT Oct 24	SUN Oct 25	MON Oct 26
Summary	Clearing shower	Mostly sunny	Mostly sunny	Mostly sunny	Mostly cloudy	Mostly cloudy	Heavy showers
Maximum	27°C	27°C	27°C	28°C	28°C	29°C	28°C
Minimum	17°C	16°C	16°C	17°C	18°C	19°C	19°C
Chance Of Rain	40%	40%	30%	10%	60%	90%	90%
Rain Amount	< 1mm	< 1mm	< 1mm	< 1mm	< 1mm	20-40mm	20-40mm
UV Index	Very High	Very High	Extreme	Extreme	-	-	
Frost Risk	Nil	Nil	Nil	Nil	Nil	Nil	Nil

	9am	3pm	9am	3pm	9am	3pm	9am	3pm	9am	3pm	9am	3pm	9am	3pm
Wind Speed	18 km/h	25 km/h	15 km/h	20 km/h	12 km/h	15 km/h	13 km/h	18 km/h	19 km/h	20 km/h	21 km/h	22 km/h	14 km/h	18 km/h
Wind Direction	SSE	SE	SE	ESE	E	ENE	ENE	NE	NNE	NNE	N	N	N	NE
Relative Humidity	75%	75%	70%	70%	70%	68%	70%	71%	74%	74%	85%	84%	87%	86%

HERVEY BAY MARYBOROUGH BUNDABERG LADY ELLIOT ISLAND

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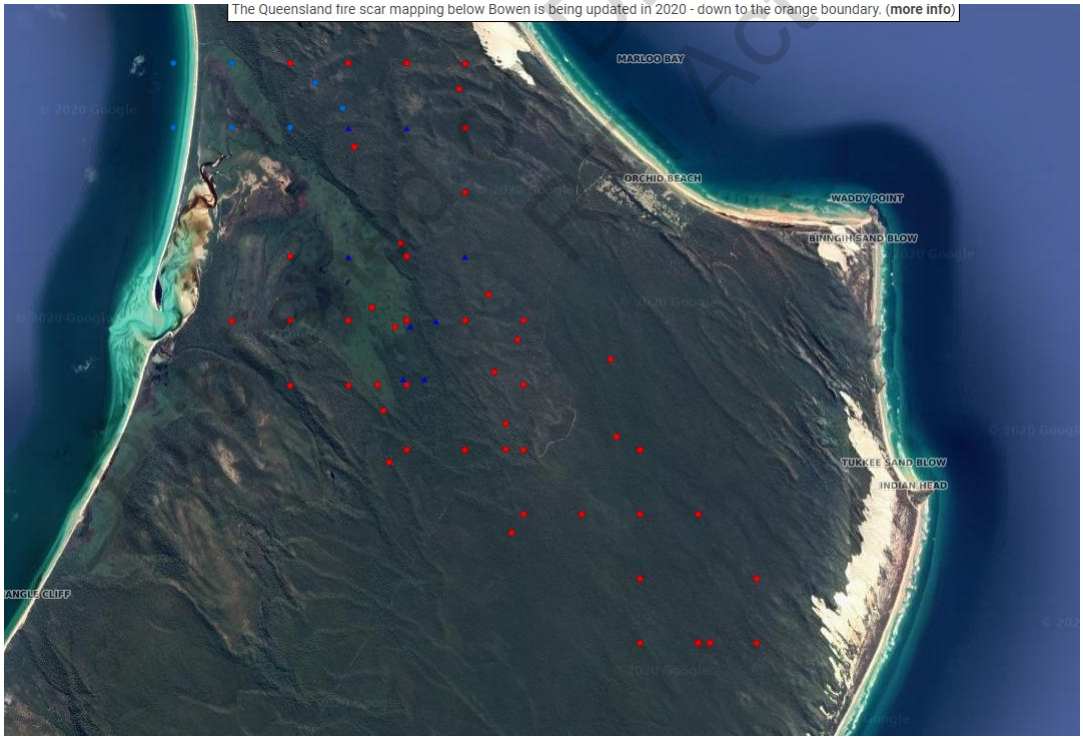
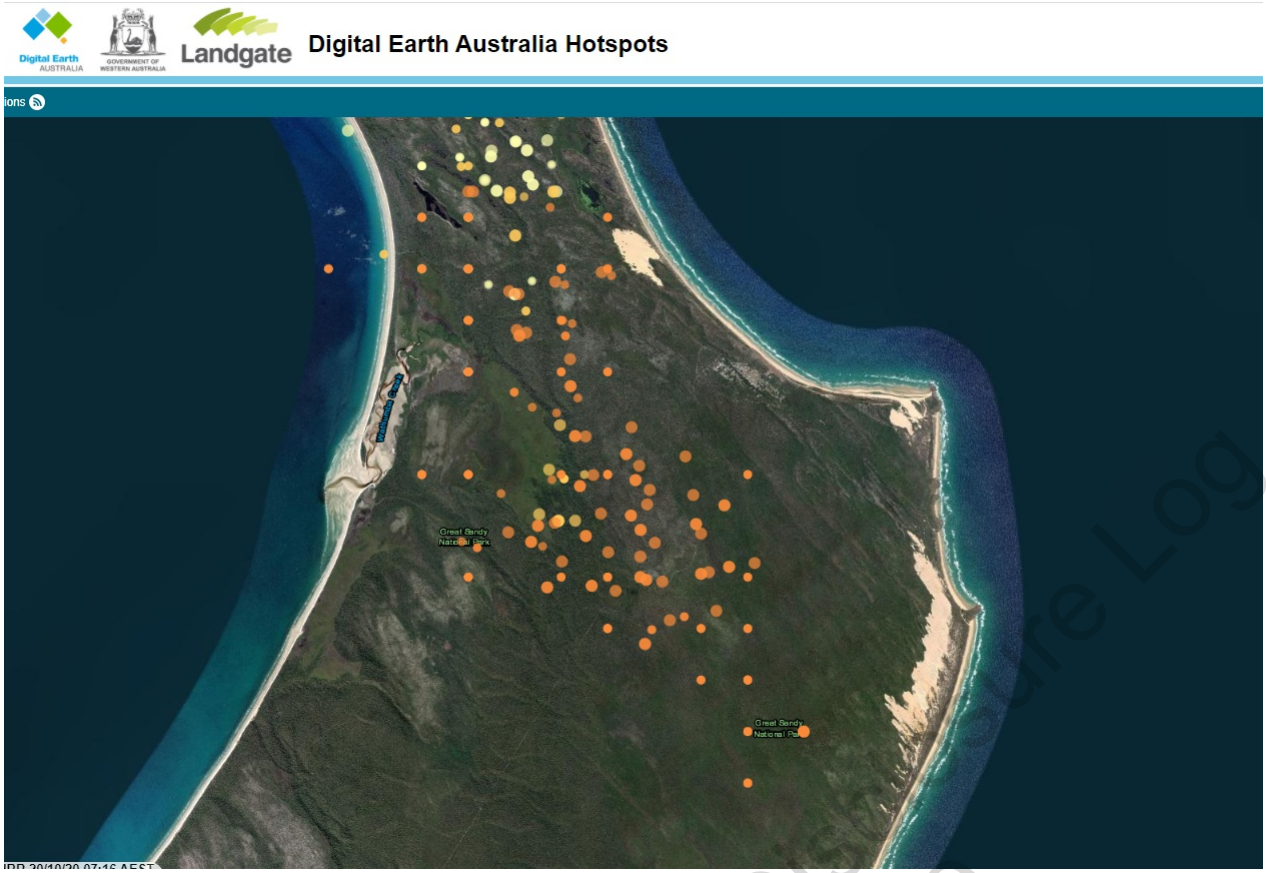
The case for backburning includes:

The fire has advanced significantly overnight ..... towards east coast meaning that there is a real threat to Orchid Beach if winds are from South.





I'll continue to liaise with Andrew and QPWS hierarchy to determine a way forward. Do not put fire in block until this is sorted.

Thanks for continued work. My mobile is on if you need to talk.

Regards, Marc

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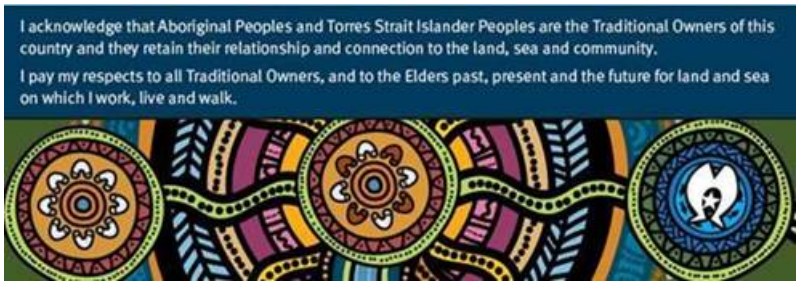
Date : 28/11/2020 9:15:49 AM
From : "KLAASSEN Ben"
To : "CAMBOURN Neil" , "HEAD Damien" , "CUBIS Mick"
Subject : FW: New Linescan Arrived - NORTH COAST
Attachment : Line Scan Frazer island 17-11-2020.pdf;1. Line Scan 27 Nov 2020.pdf;image001.png;image004.png;image005.jpg;
FYI

Ben Klaassen
Deputy Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7538 | **M** Personal | **E** ben.klaassen@des.qld.gov.au
Level 5, 400 George St, Brisbane QLD 4000
PO Box 15187, CITY EAST QLD 4002



From: Michael Wassing <Michael.Wassing@qfes.qld.gov.au>
Sent: Saturday, 28 November 2020 8:00 AM
To: KLAASSEN Ben
Subject: Fwd: New Linescan Arrived - NORTH COAST

FYI

Get Outlook for iOS

From: SOC State Coordinator <SOC.StateCoordinator@qfes.qld.gov.au>
Sent: Saturday, November 28, 2020 7:56:00 AM
To: Michael Wassing <Michael.Wassing@qfes.qld.gov.au>
Subject: RE: New Linescan Arrived - NORTH COAST

Hi Mike,
As requested

Brad

State Coordinator

State Operations Centre
Queensland Fire and Emergency Services I State Operational Coordination Branch
Level 2 Disaster Management Centre I 125 Kedron Park Rd I Kedron Q4031
Phone 07 3635 2461
soc.admin@qfes.qld.gov.au

From: Michael Wassing <Michael.Wassing@qfes.qld.gov.au>
Sent: Saturday, 28 November 2020 7:15 AM
To: SOC State Coordinator <SOC.StateCoordinator@qfes.qld.gov.au>
Subject: Re: New Linescan Arrived - NORTH COAST

Tx Brad
Can you PDF and send as well

I can't open

Get Outlook for iOS

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From: SOC State Coordinator <SOC.StateCoordinator@qfes.qld.gov.au>
Sent: Saturday, November 28, 2020 7:08:47 AM
To: ICC North Coast Region Maryborough <ICCNorthCoastRegion.Maryborough@qfes.qld.gov.au>; ROC North Coast <ROC.NorthCoast@qfes.qld.gov.au>; SOC Operations <SOC.Operations@qfes.qld.gov.au>
Cc: Joanne Greenfield <Joanne.Greenfield@qfes.qld.gov.au>; Michael Wassing <Michael.Wassing@qfes.qld.gov.au>
Subject: FW: New Linescan Arrived - NORTH COAST

Hi All,

Please see the attached Line Scan that was completed yesterday afternoon. PSU has the data and will use it for today's predictions.

Links below.

Regards

Brad

State Coordinator

State Operations Centre
Queensland Fire and Emergency Services I State Operational Coordination Branch
Level 2 Disaster Management Centre I 125 Kedron Park Rd I Kedron Q4031
Phone 07 3635 2461
soc.admin@qfes.qld.gov.au

-----Original Message-----
From: SOC Admin <soc.admin@qfes.qld.gov.au>
Sent: Saturday, 28 November 2020 7:00 AM
To: SOC Operations <SOC.Operations@qfes.qld.gov.au>; SOC Operations Support <SOC.OpsSupport@qfes.qld.gov.au>; SOC Planning <SOC.Planning@qfes.qld.gov.au>; SOC State Coordinator <SOC.StateCoordinator@qfes.qld.gov.au>
Subject: FW: New Linescan Arrived - NORTH COAST

State Operations Centre
Queensland Fire and Emergency Services I State Operational Coordination Branch Level 2 Disaster Management Centre I 125 Kedron Park Rd I Kedron Q4031 Phone 07 3635 2461 soc.admin@qfes.qld.gov.au

-----Original Message-----
From: GIS Kedron (PSBA) <GISKedron@psba.qld.gov.au>
Sent: Friday, 27 November 2020 5:42 PM
To: ROC North Coast <ROC.NorthCoast@qfes.qld.gov.au>
Cc: SOC Admin <soc.admin@qfes.qld.gov.au>; GIS Kedron (PSBA) <GISKedron@psba.qld.gov.au>; QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>; QFES Predictive Services Unit <QFES.PredictiveServicesUnit@qfes.qld.gov.au>; Warnings <Warnings@qfes.qld.gov.au>; SDCC <SDCC@qfes.qld.gov.au>
Subject: New Linescan Arrived - NORTH COAST

Linescan zip
\\bnegfs01\LinescansReceived\0001_FRASERISLAND_SWIR_20201127_1611.zip

Download PDF
https://publiccontent.gis.psba.qld.gov.au/content/Temp/0001_FRASERISLAND_SWIR_20201127_1611.pdf

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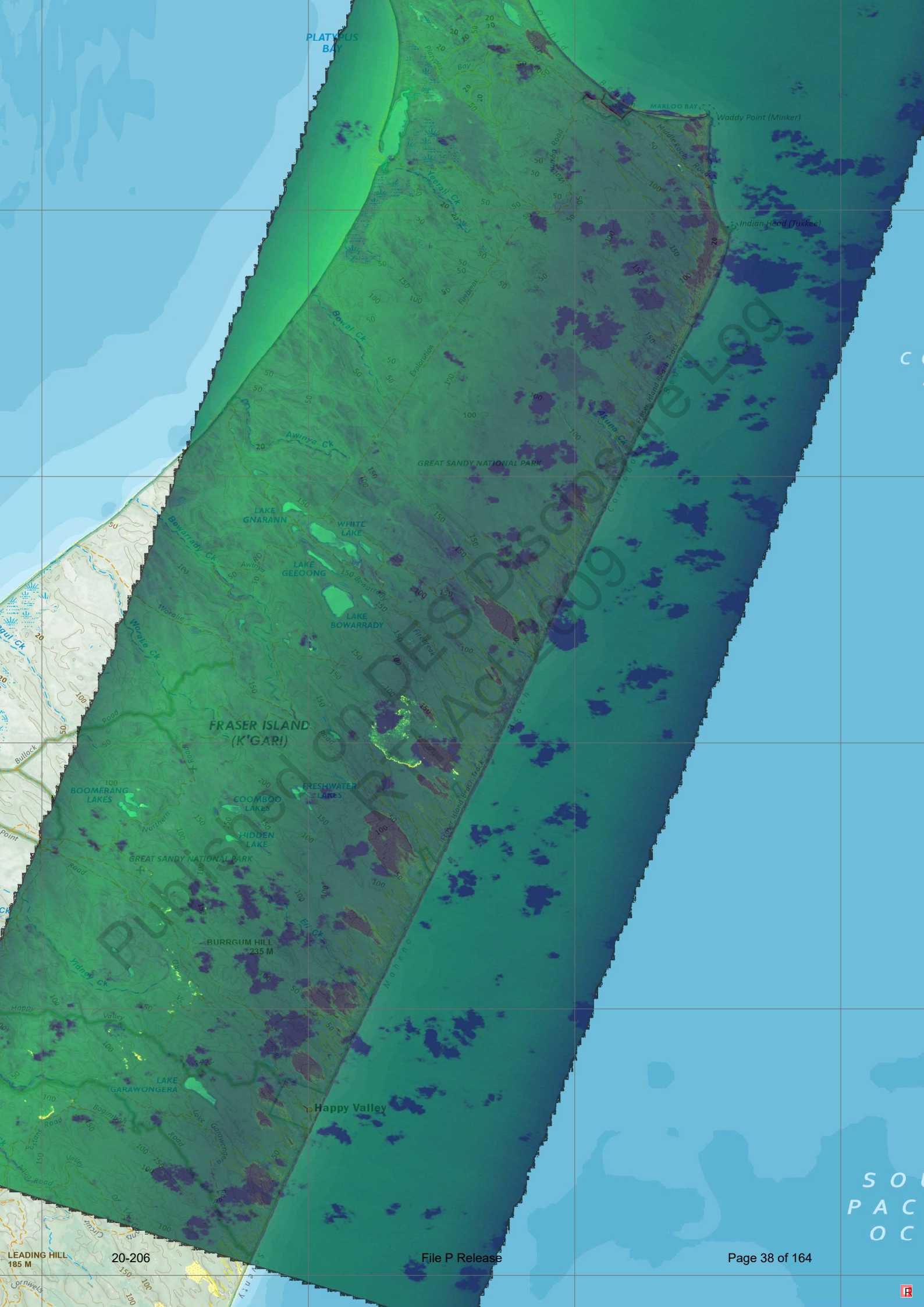

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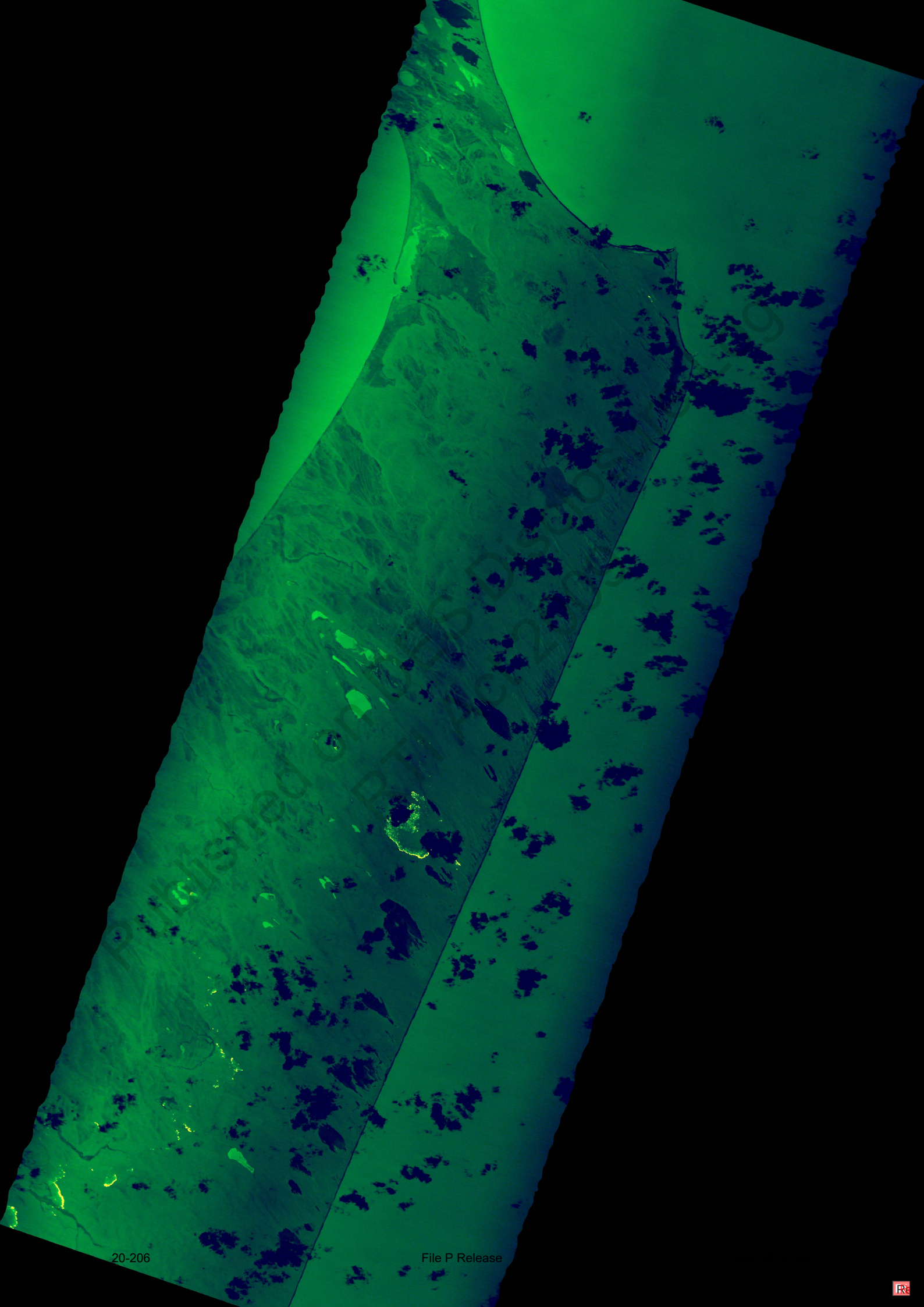
Redacted Pursuant to FOIA 5 USC 552

Date : 28/11/2020 4:57:24 PM
From : "CAMBOURN Neil"
To : "KLAASSEN Ben"
Subject : FW: QPWS closures plan for staged closures on Fraser Island central area
Attachment : Duling_WF_CLOSURE_planning_28112020_1200.docx;image001.jpg;image002.png;image003.png;

Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7518 M Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: james.haig <james.haig@qfes.qld.gov.au>
Sent: Saturday, 28 November 2020 4:14 PM
To: Gary McCormack; HEAD Damien
Cc: BROOK Scott; CUBIS Mick; CAMBOURN Neil; John Pappas
Subject: QPWS closures plan for staged closures on Fraser Island central area

Please find attached the proposed staged closures for these tracks and campgrounds. These have been prepared by QPWS staff embedded within our joint IMT and approved by Deputy IC Scott Brook. This QPWS process reflects the authorising environment required to implement and the defined responsibilities within the IMT.

I endorse the attached proposals and confirm that they align with overall incident planning and have been informed by fire behaviour predictive modelling and other intelligence within our joint IMT.

I would also reiterate the comments that the tracks are becoming increasingly difficult to traverse and bogging of vehicles is a real issue.

We will reassess stage 2 triggers as new intelligence such as updated weather forecasts and predictive modelling is completed.

Once approved by QPWS as the authorising agency please advise me directly and I will update any public messaging as required.

Regards

James Haig

Incident Controller.

James Haig
Superintendent
Executive Manager Bushfire Mitigation
Office Of Bushfire Mitigation, Rural Fire Service
Queensland Fire and Emergency Services
P 07 3635 3883 **M** Personal info

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Fraser island closure planning 28/11/2020 – 15:00 PM

Rainbow Beach IMT - QPWS planning – Jack Hargreaves

NOTE: this plan covers the QPWS run divisions of the Duling W/F only.

IAP Context:

Priority remains the protection of life and property – particularly the communities of KBVR and Happy Valley (under control of Deputy IC Asset Protection).

Fire control lines remain difficult to traverse due to dryness of the sand. Visitor and fire crew welfare is to be considered in all movements around the island.

Control of fire across the landscape is unlikely for the next 5 days (fire weather). Mitigation of impact will be likely best outcome.

Key Fire update points of note;

1. No significant change from yesterday.
2. Closure planning is well advanced and due for IC approval at 12pm today. In short;
    a. Trigger point is the loss of fire across the Smith Poyungan fire control line.
    b. This will trigger closure of Kingfisher Bay Resort and implementation of the park closure plan involving the sweeping of remaining roads and visitor nodes south to Wanggoolba Track.
    c. Full detail in final plan.
3. With pending conditions and all associated complications, fire containment is unlikely for the next five days.
    a. We are focussing upon impact mitigation, rather than high risk containment actions with limited chance of success.
    b. Western Division maintains the fire north of the Smith Poyungan Fire control line.
    c. Eastern Division is planning mitigation actions to reduce impact as the fire moves south along east coast over next five days.
4. We recognise the importance of recovery.
    a. We are using local resources to inspect and prepare suitable sites for re-opening.
    b. We want to enter discussions with QPWS management on Monday about Bushfire Rapid Assessment processes to start informing the impact of the fire.
        i. I suspect that while broadscale, intensity mapping will show the impact to be less than a single fire extent polygon will indicate.
5. We were recently informed of one small structure burned 8km north of KFB. Investigations underway to find out what that was and associated implications.

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STAGE 1: Immediate actions for implementation as of 24:00 28/11/2020

- Close all internal tracks to non-emergency vehicles – leaving the coast. So all tracks heading off the beach and onto the island north of Eurong.
    - This includes closing immediately Lake McKenzie, and all tracks leaving Eurong and Kingfisher to all non-emergency service vehicles.
    - Vehicles currently on these tracks are okay to leave, but no new vehicles to enter this area.
- Wanggoolba to Eurong will REMAIN OPEN under stage 1.
- Central Station Campground – all campers encouraged to leave now but Central Station campground will be closed as of.

Commented [CN1]: Please be specific about this as North of Eurong in any messaging if visitors can still access southern lakes drive as an alternative to Lake Mackenzie – ie Lake Birrabeen, Boomanjin etc

Commented [CN2]: Incomplete sentence?

Key steps to execute this plan –

- QPWS staff to engage with visitors at Central Station
- Police to work with QPWS to execute closures
- QPWS to organise Park alert system with current information

STAGE 2: The trigger point to initiate stage 2 is the fire crossing the Smith-Poyungan track.

When the trigger point is reached, the following immediate action to commence;

- QFES to manage Kingfisher Bay per arrangement with KBRV management.
- Evacuate/Remove all remaining campers from Central Station (hopefully non left)
- Close from Eurong to Wangoolba Creek Rd North inland tracks on Fraser Island.
- No traversing of the island is to occur to meet ferry bookings – safest exit only.

Commented [CN3]: Provide a little extra clarity here please specifically that it's KBRV and Wanggoolba barge landings, as Hook Point would remain the primary exit route at the moment?

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Risk analysis background supporting decision;

- Significantly degraded track conditions across the island making it difficult to leave central camping area quickly.
- There are key tracks in the area that are one-way only, and currently in a very poor condition.
- Most campers at Central station have large camping set ups and are usually longer-term visitors. This means their camping set ups and/or families which means that they have generally significantly bigger set ups and will require more time to evacuate the area.
- Predictive modelling suggests the fire will take at least 3 days after crossing the Smith-Poyungan Road before it would impact Central Station.
- Vehicle traffic on the internal road network of the island is contributing to their degraded state and is increasing risk to emergency service who will rely on the road network
- There are no key landscape features, fuel type or fire scars to prevent, slow or restrict fire spread beyond the Smith-Poyungan Road
- Some visitors will have ferries booked on the opposite of the island and will attempt to cross the island to keep their booking.
    - This is a risk that needs to be managed with QPS.

Commented [CN4]: Again please be specific to KBRV and Wanggoolba barges ie west coast.

Commented [CN5]: Is it worth checking with sealink (KBRV) if they would consider repositioning their barge to hook point/ inskip if we close access to west coast to assist with moving their bookings off that way and assisting with any further evacuations? There may be some technical permit landing issues with this but I think we can get around that under the circumstances. Let us know if you would like us to qualify that as a possibility.

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Date : 7/12/2020 10:22:44 AM
From : "OLIVER Nathan"
To : "CIR Fire Team" , "CUBIS Mick" , "DARGUSCH Marc" , "BULLEY Graeme" , "SEELEITHER Jamie" , "BLACKMAN Boyd" , "BARRACLOUGH Emma" , "HARVEY Peter" , "YETMAN Brendon" , "KLEKAR John" , "gadejould" , "rachel.killer@bac-kgari.org" , "LAYFIELD Wayne" , "CAMBOURN Neil" , "BUCKLEY Andrew" , "HEAD Damien" , "KLAASSEN Ben" , "HARRIS Leigh" , "BURNHAM Mark" , "SPINKS Troy" , "RCC Seqr"
Subject : FW: SMEAC Fraser Island 6.12.2020
Attachment : SMEAC 6.12.2020 0900hrs Fraser Island.pdf;image001.gif;image002.png;image003.png;

Nathan Oliver
Principal Ranger Fire Management
South East Queensland Region I QPWS & Partnerships
Department of Environment and Science
P Personal Information
Kabool Road, West Burleigh 4220
www.des.qld.gov.au

From: ICC North Coast Region Maryborough <ICCNorthCoastRegion.Maryborough@qfes.qld.gov.au>
Sent: Monday, 7 December 2020 10:03 AM
To: Mark Pomeroy; Michael Koch; Craig Stolte; Wayne McLennan; KLEKAR John; BULLEY Graeme; EZZY Lea; Chantel Van Wamelen; Clowes.AnthonyJ@police.qld.gov.au; Brendan Guy; OLIVER Nathan; DAVIES Matt; KILLEN Tim
Cc: ICCNCRMaryboroughPlanning; ROC North Coast; Matthew Inwood; ICCNCRMaryboroughOperations
Subject: SMEAC Fraser Island 6.12.2020

FYI

ICC Admin
Maryborough ICC
(07) 4193 2615

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IF 00.15.00

SITUATION REPORT

* **INCIDENT NAME:** Fraser Island Fire	* **Date:** 6/12/2020
	* **SITREP: No. 2 of 2**
PLANNING **Mandatory Fields*	* **LOCATION:** Maryborough ICC
	* MAP REF:

S

Fire control lines remain difficult to traverse. Fire impacting on Happy Valley from the west. Plan is to back burn to meet approaching fire.

Happy Valley Township Options Analysis and Risk Mitigation Strategy ready to activate.

Monday, mostly sunny, winds North to North Westerly 30 – 45kph

Tuesday, wind change around 10pm West to South Westerly strong and gusty ahead of a fresh to strong and gusty South to South Westerly wind change around 1am Wednesday

OFFENSIVE ☐

DEFENSIVE ☒

MARGINAL ☐

M

INCIDENT OBJECTIVES

In line with the Commissioners intent the objectives within Fraser Island Fire are as follows: -

- To ensure that safety of all emergency responders and community members and tourists is maintained with the highest priority.
- In order to allow re-entry of residents and services as quickly as possible, fire impacted areas are to be rapidly assessed and rehabilitated to a safe level.
- All active fire will have intervention by firefighting resources to protect infrastructure and other assets by ground crews and aerial support along existing trails. Intent is to manipulate and extinguish fire when opportunities and terrain allow.
- Communication with communities and stake holders is to be maintained to ensure ongoing information of current and projected emergency response activities and rehabilitation of impacted areas and recovery handover to communities at the earliest opportunities.
- Reinforce though positive messaging that surrounding areas/communities are a priority in recovery so as being able to accept tourists in the lead up to Christmas period.

E

Happy Valley fire is now less than 1.0 km North West of Happy Valley.
A back burn is planned for Happy Valley for 0830 hrs it will be conducted off a mulch break as per Happy Valley Community Plan Option A.

North/West Impact
HVRFB has surveyed a potential new mulch fire break will run along the top of the sand ridge on the north side of Happy Valley north of Dingo Fence. Back burn planned of this mulch break.

* RESOURCE SUMMARY

	ALLOCATED	AVAILABLE
Personnel	40	
Combatant vehicles	14	
Aircraft (FW/R)	7	
IMT staff	2	
Support		
Others		

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South/West Impact

There is a number of breaks running west of the Yindney/Happy Valley Road to Telstra Tower then further west. The protection of this boundary is essential as the loss of the Telstra tower and COW would lead to loss of all communication in the Valley including QFES mobile communications system. The sand ridge on the southern side forms a boundary to the township. Should the fire impact the south west the fire will rapidly accelerate.
This option will fit within the risk management strategy of the USL managed DNRME, Wilderness and Management Zone

Communications

Fire Comm 301 Personal informatio
Happy Valley 301 Mark Pommeroy Personal informa
To crews Happy Valley VHF18 from Mark Pommeroy
To Aircraft 303 form Mark Pommeroy to Firecom from Aircraft and mark Pommeroy 301

PROJECTED QFES RESOURCE COMMITMENT TIME	HOURS	DAYS

A

KEY INCIDENT LOCATIONS		CONTACT	MAP REF.
*(CP) ☒ (ICC) ☐	Mark Pomeroy RFS	0428342252	
Operations Point	Happy Valley		
Staging Point	Happy Valley		
Evacuation Point			

Comments:

C

* INCIDENT CONTROLLER / QFES COMMANDER	OPERATIONS	PLANNING	LOGISTICS	SAFETY ADVISOR
Matthew Inwood	Paul Simmons	Neil Dover	Stephen Gooding	

Comments:

S

*COMMUNITY IMPACT	AT RISK	LOST	SAVED	INCIDENT PERSONNEL		COMMUNITY MEMBERS
AREA	57 Ha			INJURIES		
BUILDINGS				DEATHS		
VEHICLES				RESCUES		
ENVIRONMENTAL				MISSING		
FENCING				EVACUEES		
STOCK						

Comments:

- Ensure Regular Fatigue Breaks Occur, Schedule for all personnel.
- Ensure adequate supply of water and food, regular crew welfare check.
- Only suitable 4wd Appliances and experienced drivers to access sand trails and tracks. Recovery equipment for vehicles to be sourced. Maps to be given to crews.
- 3 x COWS deployed to FI to provide communications capability; Communication plans confirmed with all personnel.

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- Additional Paramedic deployed to Fraser Island to provide Medical Capability for QFES Crews.
- All crews given debriefs and LAP for safe access to exit points from Fraser Island.
- NCR Regional Mechanic on standby
- When blacking out be mindful that trees and tree limbs may fall and become a potential hazard. Crews need to be aware and vigilant around trees, avoiding undue risk where possible and identify suspect trees and mark.
- Monitor crew rotations, fatigue, rehydration and food intake. Responsible use of electrolyte replacement drinks (1 to 6 waters)
- Maintain situational awareness of conditions and escape routes. Maintain lookouts' hazards, slips, trips and falls and conducting dynamic risk assessments.
- Lighting to be used where possible for any nighttime operations.
- Remain outside the drop zone and respond to pilots if requested.
- Refer to Kingfisher Bay Resort Evacuation Plan, to be distributed to Division Commanders.
- Crews to be aware of possible landslides where fire has consumed vegetation on sand dunes.
- Crews to be vigilant with reptiles and wildlife. Snakes have been sighted at Kingfisher today.
- All vehicles to be utilizing GWN radios, for TOM tracking purposes. To transmit you must be outside the vehicle.
- All crews to ensure gates are closed – specifically the dingo fencing.
- All Crews to follow Covid safe procedures where possible, social distancing, avoid physical contact etc.
- All personnel to be aware of any drones operating in areas and to report to a Div. Commander.

GENERAL COMMENTS (Include relevant information not covered above)

QFES COWS has been set up and GWN communications has been established with all divisions

PREPARED BY: Neil Dover		APPROVED BY: Matt Inwood	
TIME: 0900	DATE: 07/12/2020	POSITION: Incident Controller	
NEXT SITREP DUE: 8/12/2020 0900		TIME: 0900	DATE: 7/12/20

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Happy Valley Township

Options Analysis and Risk Mitigation Strategy

For the Protection of Happy Valley Township

Addendum to "Operational Incident Action Plan for Asset Protection"

3rd December 2020

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Background:

The area around Happy Valley has not been subject to a control burn or hazard reduction for over 13 years. Fuel loadings are assessed as very high 50 t per ha on average.

The Happy Valley Township Reserve area of 230ha$ is known as the "Happy Valley Exclusion Zone" under the Native Title determination for Fraser Island. It was a "Town Reserve" and is Unallocated State Land administered by DNRME.

Happy Valley township is flanked to both the northern and southern sides by a very steep dunal system. This poses a high risk, but also creates a good defensive strategy if used appropriately and implemented in a timely manner.

The Happy Valley Rural Fire Brigade (HVRFB) has surveyed and reviewed fire breaks in the surrounding USL. A HVRFB community member, who has successfully completed cultural awareness training, has experience in identifying cultural relics. He walked the proposed fire break line and nothing of significance was identified on the surface. The HVRFB has now investigated the broader area within the USL and into the World Heritage area.

North/West. There are breaks running to the north west which follow an old road to Kooloro Sand Blow, from the school reserve area, where a control burn was conducted in August 2019. Additionally, outside the USL, there is a QPWS break (old road) running from the Moon Point road to Dinderi Sand Blow. Both are assessed as poor fire breaks and unlikely to hold a fire or be effective to burn back from in the event of an attack.

The following options for the defence of the Happy Valley township have been considered.

Option A - North/West Impact

HVRFB has surveyed a potential new mulched fire break which will run along the top of the sand ridge on the north side of Happy Valley, approximately 50+metres north of the Dingo fence. This would enable a back burn into approaching fire from the north and west. Under favourable conditions it may be possible to black out the south side of ridge down to Dingo fence providing a good buffer. The mulched fire break at the top of the ridge will minimise any adverse effects to biodiversity, eg erosion, and minimise the effects of ember attacks. In the event that a back burn is required, it will decrease the intensity of ember attacks on the township. This will greatly decrease the threat to life and property.

Should the direct fire impact be from the north west, the fire will rapidly accelerate, crowning out, and leading to severe ember attacks on the township.

Option A - South/West Impact

There are a series of breaks running roughly west from the Yidney/Happy Valley Road to Telstra Tower then further west. The protection of this boundary is essential, as the loss of the Telstra tower would lead to the loss of all communication in the Valley, including the QFES mobile GWN repeater system. On the south west boundary of the USL, QPWS and HVRFB conducted a control burn in mid 2020.

The sand ridge on the southern side, forms the southern boundary of the township. It is very steep, particularly on the southern slope, which is heavily timbered with large eucalypts and heavy fuel loading. Should the direct fire impact be from the south west, the fire will rapidly accelerate, crowning out, and leading to severe ember attacks on the township.

A new fire break is required running from the Telstra tower and the existing fire break along a sand ridge to meet the Happy Valley/Yidney Road in the vicinity of the dingo grid.

This option will fit within the risk management strategy of the USL managed by DNRME, Wilderness Management Zone.

These fire break options for the North/West and South/West have the following immediate and long-term benefits:

- Less time consuming to complete
- Resource positive – uses reduced manpower
- They provide a control line for permanent future fire break and hazard mitigation
- In the event of direct impact, these breaks will be the last line of defence where a successful back burning can be undertaken. The ridges from where this back burn would be done are very steep on the northern fire approach, and ember attack would be severe due to the accelerated uphill rate of spread and fire crowning out.
- Back burning operations from these points would use minimal resources. They allow the very good defensive resources within the town to be safely utilised. They also allow the safe retreat of any firefighting personnel from a back-burning operation.

Option B – Kooloro Fire Control Line

To the west of Happy Valley, the Department of Education block (5 – 6 Ha) was subject to a controlled cool burn earlier this year. Running beyond this block, is a fire break which runs through the USL out into the World Heritage area to the Kooloro Sandblow. On the southern end of this sandblow, there is a track to the beach through the coastal heath of approximately 500 m.

The existing Kooloro fire break has been maintained and is a relatively straight run. This fire break could be used effectively, so long as significant back burning activities are undertaken along the full length from the Education Block to the Kooloro Sandblow. To enhance the effectiveness of this break, significant works would need to be undertaken on the track to the beach (approx.. 500m), to hold back any fire approaching from the north or northwest.

This option has the following components:

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- It requires extensive resources and manpower
- It will be time consuming (and would require to be started immediately)
- Its effectiveness would not be completely guaranteed
- Long term benefits are reliant on future management within the USL section.

If this fire break is breached, the township has no protection to the North West.

Currently on the south west side of line, there are some poorly maintained breaks.

Option C – Dinderi Sandblow Track

This track was originally used as a bypass road from the Happy Valley township to the north of chard rocks. It initiates off the Moon Point Road not far from Yidney Scrub (about 8km from Happy Valley). It is now identified as a fire control line.

However, the meandering nature of the track, would make it difficult to contain any fire from the north or north west, and would require significant machinery operations to make this track a defendable control line. This track runs directly into the Dinderi Sandblow. However, on the eastern side of the sandblow there is still 1KM of heavily dense fuel that would need significant effort to construct an effective fire break to the beach.

This option has no real value to the protection of the Happy Valley township from fire fronts to the north or north west. This option poses a high risk to firefighting personnel and resources.

See attached plans showing the proposed mulched fire breaks and other options.

Recommendation

Option A (both north/west and south/west is the recommended option. It is the least resource intensive and most timely option. It is also considered to be the most effective of those listed above.

Authors:

Personal information – Happy Valley RFB Sector Commander

Personal - Happy Valley RFB Third Officer

Trent Juster – DNRME

3 December 2020

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KOOLORA SAND BLOW

SCHOOL RESERVE (CONTROL BURN CONDUCTED AUGUST 2020)

T = TELSTRA TOWER.

FIRE BREAK OPTION A

OPTION B – EXISTING FIRE BREAK.

OPTION B – PROPOSED BREAK – TO BE MULCHED FOLLOWS WALK TRACK.

S SITUATION	M MISSION	E EXECUTION	A ADMINISTRATION	C COMMUNICATIONS	S SAFETY

IF 00.10.00 DCN

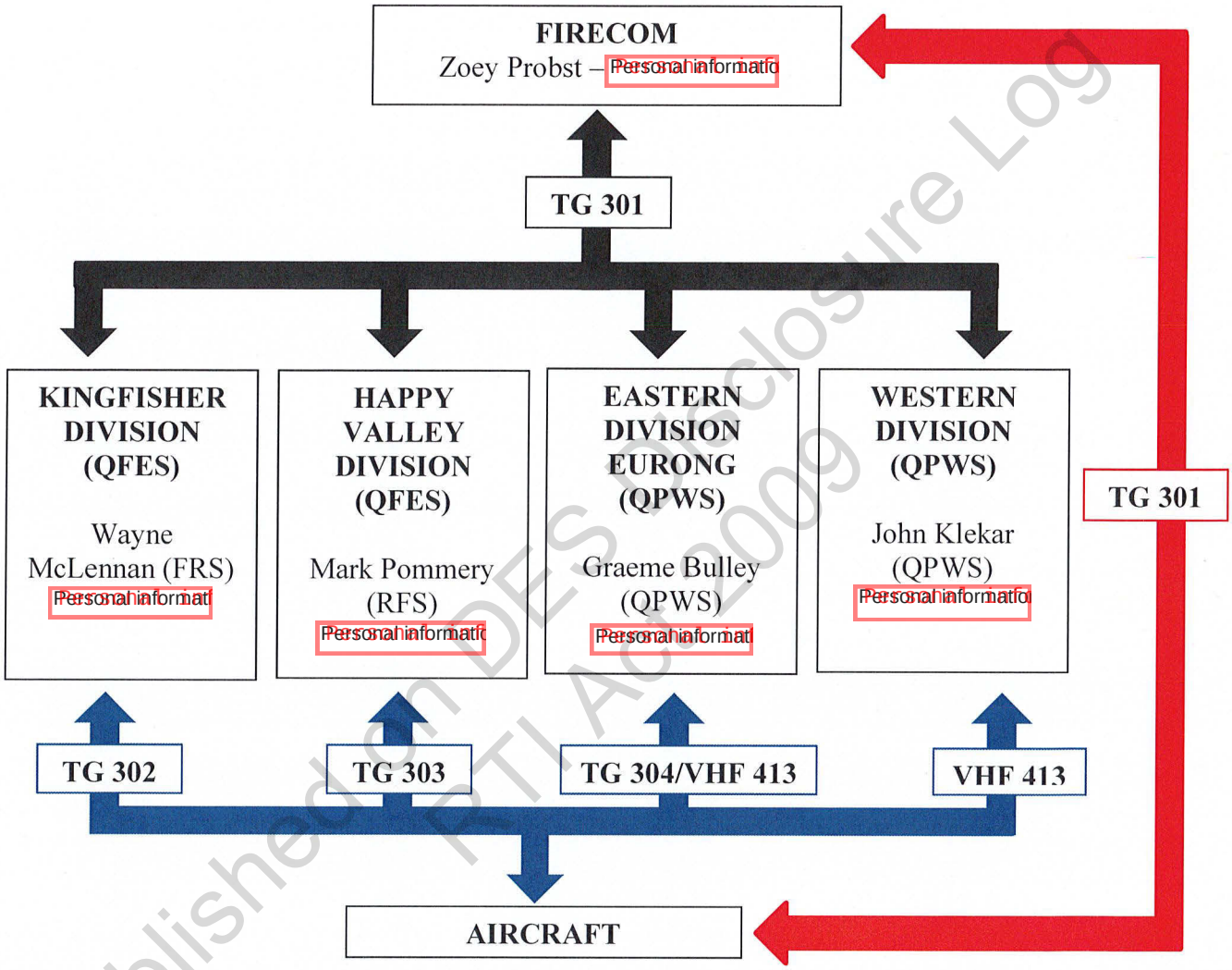
INCIDENT COMMUNICATION PLAN

Digital Communications Network

INCIDENT: QF4-20-116117

LOCATION: Fraser Island

PLANNING	PREPARED FOR OPERATIONAL PERIOD	FROM: 07/12/2020	TO: 08/12/2020	DATE: 07/12/2020



OTHER AGENCIES		

PREPARED BY : Kirsten Burnett		APPROVED BY:	
POSITION: Operations Administration Officer		POSITION:	
TIME: 0740	DATE: 07/12/2020	TIME:	DATE:

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Date : 4/12/2020 7:32:15 AM
From : "CAMBOURN Neil"
To : "gary.mccormack@qfes.qld.gov.au" , "james.haig" , "SPINKS Troy"
Cc : "KLAASSEN Ben"
Subject : FW: Some intelligence information for Fraser Islnd North End Bushfire
Attachment : Fire Behaviour Summary by Incident Fraser Island 20 10 2020.pdf;IDQ20102.pdf;Fraser updated 20201020.pdf;image001.jpg;image002.png;image003.png;image006.png;

Morning gents, there has been a call from Premier's this morning re the CourierMail articles seeking clarification on the timing of use of the LAT (specifically).
Our understanding based on the advice below was that we were doing a LAT run on 20 October, did we do that one?
For clarity for DPC this morning and informing estimates next week, could we please have a copy of the water drop records from the start of the fire?
Troy is at SOC so may be able to assist with collating information for us.

Many thanks, Neil

Neil Cambourn
Executive Director
Queensland Parks and Wildlife Service
Department of Environment and Science
P 07 3199 7518 M Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: CAMBOURN Neil
Sent: Thursday, 3 December 2020 9:02 AM
To: MERRICK Jamie; KLAASSEN Ben
Subject: FW: Some intelligence information for Fraser Islnd North End Bushfire

Jamie, as discussed the first LAT application was 20 October, and the cooperative nature of QFES working with us in support is evident in these comms.

Neil Cambourn
Executive Director
Queensland Parks and Wildlife Service
Department of Environment and Science
P 07 3199 7518 M Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: James Haig <James.Haig@qfes.qld.gov.au>
Sent: Tuesday, 20 October 2020 11:44 AM
To: CAMBOURN Neil
Cc: Michael Wassing; John Bolger
Subject: Some intelligence information for Fraser Islnd North End Bushfire

Hi Neil, please find attached some information on the Fraser Island Fire. To give some clarity the attachments are (in order):

- A Fire Behaviour Snap Report – Fire Behaviour Summary prepared by QFES Predictive Services Unit prepared this morning which covers some of the key fire behaviour parameters. The report runs until Friday.
- A site specific weather forecast from the Bureau of Meteorology from Yesterday but also covering today. I understand an updated forecast has also been requested for preparation today. Please be aware
  That during the conversation with the senior meteorologist at the BoM, PSU was informed that the SE wind change originally forecast for later this morning in the yesterday's forecast arrived early to the fire ground this morning (I understand it may have been by 06:00 but not sure. This is good as it will reduce the westerly spread of the fire towards Orchid Beach.
- A copy of a the fire mapping from QFES mapping system (TOM) from this morning.

Additionally, as discussed over the phone, QFES will be undertaking a Large Air Tanker water drop on the fire this morning in coordination with the ground incident management. This is a regular testing run for the DASH 8 size aircraft based at Bundaberg.

I do not know whether the Incident Control Team has requested a detailed Phoenix fire prediction but, should this be required, it can be done through the QFES liaison in the IMT or direct. Certainly QFES Predictive Services Unit is very happy to support such predictive planning that the IMT requests. I understand that there has been liaison with this unit already on this fire although a full prediction may not have been done, if desired this can be done by IMTs (including QPWS only IMTs) by calling 3635 1808.

Regards

James

James Haig
Superintendent
Executive Manager Bushfire Mitigation
Office Of Bushfire Mitigation, Rural Fire Service

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Queensland Fire and Emergency Services
P 07 3635 3883 **M** Personal info

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All reasonable precautions will be taken to respect the privacy of individuals in accordance with the Information Privacy Act 2009 (Qld).

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STEP 1 - Select Incident
QF4-20-116117 FRASER ISLAND

STEP 2 - ROS Model
Heath & Shrubland

STEP 3 - Forest Fuel Load (t/ha)
10.00t/ha

STEP 4 - Heath Height (m)
1.0m

STEP 5 - Slope (Degrees)
0Deg

Fuel load selector only used Forest Model
Heath Height only used in Heath Model

Published by QFES Predictive Services Unit (PSU). For assistance, further predictive products or expert fire behaviour advice call (All Hours) (07) 3635 1808 or e-mail PSU@qfes.qld.gov.au

Incident SNAP Fire Behaviour Summary for QF4-20-116117 FRASER ISLAND for Today Tuesday, 20 October 2020

Fire Loc: Lat:-24.912 Long: 153.2777

Using Heath & Shrubland Rate of Spread Model, Slope = 0Deg

Based on BOM Forecast Data Updated @ 20/10/2020 8:16:12 AM

Note: Forecast weather does not fully account for local terrain effects on wind speed and direction.

Fuel Load Used for Calculations:
Heath / Shrubland Model Uses Height & Wind Speed, Not Load

Indicative Peak Forest Spotting Distance Today: None

HEADFIRE SAFETY: Forecast peak intensity 7623kW/m @ 15:00hr on 20th of October. Direct Attack on the headfire / Backburning may be locally achievable, but is considered LESS SAFE and LESS EFFECTIVE. . Expect around 17hr above 4000kW/m

FLANK FIRE SAFETY: Forecast peak intensity 1906kW/m @ 15:00hr on 20th of October. Direct Attack on the flank fire is indicated to be SAFE and EFFECTIVE.

PEAK WIND SPEED: Wind speed today is forecast to peak at 28km/hr from the South East

RATES OF SPREAD: In Advanced Heath expect headfire travelling North West peaking in speed around 1962m/hr @ 15:00hr, with flanks spreading around 491m/hr. Terrain will affect direction of travel.

SPOT FIRE IGNITION RISK: Given any ember/firebrand production, spot fire ignition risk is moderate. .

IGNITION EASE & SPREAD: Minimum fuel moisture 10% burning readily sustained. Expect moderately fast development consuming most surface fuels.

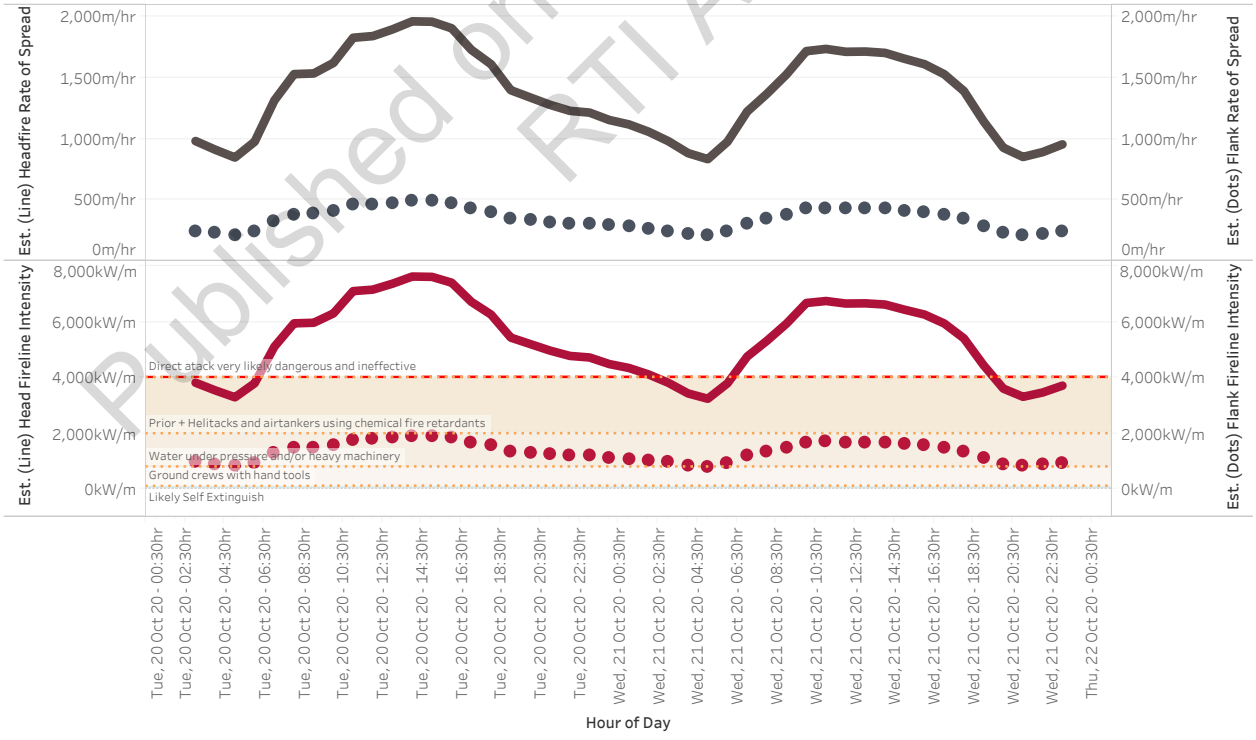
CONDITIONS TONIGHT: Between 1800hr & midnight fire is likely to continue burning for around **6hr** (i.e. hours below Fuel Moisture of **20%**)

SHOULD I BURN TODAY BASED ON COMING DAYS FDI? Yes. Normal blacking out distances and patrolling regimes recommended

Today's Peak Forest Fire Danger Index

10.4
Low-Moderate

Estimated Rate of Spread - HEADFIRE (top thick line) - FLANK No Slope (top dots) &
Fireline Intensity: HEADFIRE (bottom thick line) - FLANK No Slope (bottom dots)
for **Tue, 20 Oct 20 - 03:00hr to Wed, 21 Oct 20 - 23:00hr** in **Heath & Shrubland** Assumed Slope = 0Deg



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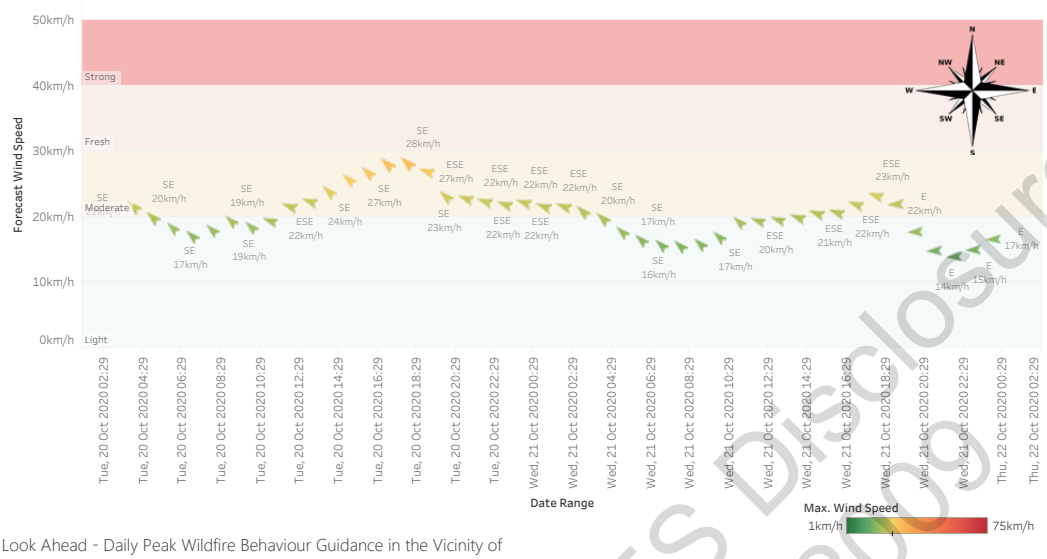
Disclaimer
This Fire Behaviour Prediction Snap Report ('this Report') is provided solely for information purposes and is not to be construed, under any circumstances, by implication or otherwise, as anything other than as the opinions of the Queensland Fire and Emergency Services Predictive Services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

6 Day Look Ahead - Estimated Peak Daily Forest Fire Danger Index Rating for QF4-20-116117 FRASER ISLAND

	Tue, October 20, 2020	Wed, October 21, 2020	Thu, October 22, 2020	Fri, October 23, 2020	Sat, October 24, 2020	Sun, October 25, 2020
QF4-20-116117 FRASER ISLAND	10.4 Low-Moderate	12.0 Low-Moderate	11.3 Low-Moderate	12.6 High	12.0 Low-Moderate	11.3 Low-Moderate

2 Day Wind Forecast in the Vicinity of Incident QF4-20-116117 FRASER ISLAND

Note: BOM forecast wind speed and direction does not fully account for local terrain effects Thus if your fire is in the lee of hills etc., direction and speed may differ from forecast.



Look Ahead - Daily Peak Wildfire Behaviour Guidance in the Vicinity of QF4-20-116117 FRASER ISLAND assuming Heath & Shrubland Fuel, Slope = 0Deg

Wednesday, 21 October 2020	With a forecast peak daily fireline intensity of 6746kW/m in Heath using the Advanced Heath rate of spread model, Direct Attack is potentially UNSAFE / backburning is potentially RISKY. Fire behaviour is likely to be a highly vigorous, rapidly spreading surface fire with an estimated peak daily headfire forward rate of spread of 1736m/hr and flank rate of spread on flat ground of 434m/hr, exhibiting regular torching (or passive crown fire, with possible periodic crowning). Heath fuels are more resistant to changes in humidity and may continue to burn overnight and in high humidity. Heath is also a threshold fuel, which means it may not carry vigorous fire until the wind reaches a threshold, and then it can rapidly intensify and spread.
Thursday, 22 October 2020	With a forecast peak daily fireline intensity of 6563kW/m in Heath using the Advanced Heath rate of spread model, Direct Attack is potentially UNSAFE / backburning is potentially RISKY. Fire behaviour is likely to be a highly vigorous, rapidly spreading surface fire with an estimated peak daily headfire forward rate of spread of 1689m/hr and flank rate of spread on flat ground of 422m/hr, exhibiting regular torching (or passive crown fire, with possible periodic crowning). Heath fuels are more resistant to changes in humidity and may continue to burn overnight and in high humidity. Heath is also a threshold fuel, which means it may not carry vigorous fire until the wind reaches a threshold, and then it can rapidly intensify and spread.
Friday, 23 October 2020	With a forecast peak daily fireline intensity of 7296kW/m in Heath using the Advanced Heath rate of spread model, Direct Attack is potentially UNSAFE / backburning is potentially RISKY. Fire behaviour is likely to be a highly vigorous, rapidly spreading surface fire with an estimated peak daily headfire forward rate of spread of 1878m/hr and flank rate of spread on flat ground of 469m/hr, exhibiting regular torching (or passive crown fire, with possible periodic crowning). Heath fuels are more resistant to changes in humidity and may continue to burn overnight and in high humidity. Heath is also a threshold fuel, which means it may not carry vigorous fire until the wind reaches a threshold, and then it can rapidly intensify and spread.

BackBurning Approval Guidance: TacD 28.05.00-Backburn and Burning Out Operations

Condition	Approval Process
Incident Controller is to approve or not approve the burning operation. Form OM 202 – Incident Controllers Checklist to Authorise Backburn Operations assists in decision-making.	
Local Forest or Grass Fire Danger Index is not predicted to exceed 30 (Very High) during the incident.	The Incident Controller can consult the Area Director, Regional Manager Rural Fire Service (RFS); Area Commander or Fire and Rescue Service (FRS) Director, Regional Operations; or On-Call Senior Officer.
Local Forest or Grass Fire Danger Index is predicted to EXCEED 30 (Very High) during the period of operation.	**Level 1 Incidents** The Incident Controller must seek approval from the Regional Manager RFS or Commander Regional Operations (or their delegate). **Level 2 or 3 Incidents** The Incident Controller appointed by the Regional Manager RFS or Commander Regional Operations can approve as part of a formalised and documented IAP.

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Forecast Weather Summary

Day Number
Multiple values

Detailed Weather Forecast in the Vicinity of QF4-20-116117 FRASER ISLAND

Source: Bureau of Meteorology Gridded Weather. This information may have changed since time of release.

Any Special Fire Weather Forecasts Issued will superscede this information.

Hour of Select Date Range	Headfire Fire Direction of Travel	Estimated Ignition / Carry Potential	Temperature (C)	Humidity (%)	Wind Direction (Deg)	Wind Speed (km/h)	GFDI	FFDI	Max. Combined Fuel Moisture	Max. Estimated Headfire Rate of Spread
Tue, 20/10/20 03:00	North West	Difficult, Patchy	16	100	138	22km/h	0	0.5	19%	982m/hr
Tue, 20/10/20 04:00	North West	Difficult, Patchy	16	100	139	20km/h	0	0.5	19%	911m/hr
Tue, 20/10/20 05:00	North West	Difficult, Patchy	17	100	141	18km/h	0	0.5	19%	847m/hr
Tue, 20/10/20 06:00	North West	Sustained	21	83	140	17km/h	0	1.4	16%	977m/hr
Tue, 20/10/20 07:00	North West	Readily Sustained	25	62	141	18km/h	0	4.8	13%	1,314m/hr
Tue, 20/10/20 08:00	North West	Readily Sustained	27	55	135	19km/h	0	7.3	11%	1,530m/hr
Tue, 20/10/20 09:00	North West	Readily Sustained	28	51	130	19km/h	0	8.6	11%	1,535m/hr
Tue, 20/10/20 10:00	West North West	Readily Sustained	29	50	122	19km/h	0	9.2	11%	1,622m/hr
Tue, 20/10/20 11:00	West North West	Readily Sustained	29	48	123	22km/h	0	10.4	10%	1,827m/hr
Tue, 20/10/20 12:00	West North West	Readily Sustained	29	50	124	22km/h	0	9.8	11%	1,841m/hr
Tue, 20/10/20 13:00	North West	Readily Sustained	28	53	129	24km/h	0	9.0	11%	1,896m/hr
Tue, 20/10/20 14:00	North West	Readily Sustained	27	55	136	26km/h	0	8.2	12%	1,962m/hr
Tue, 20/10/20 15:00	North West	Readily Sustained	26	58	134	27km/h	0	7.1	12%	1,959m/hr
Tue, 20/10/20 16:00	North West	Sustained	24	64	129	28km/h	0	5.3	13%	1,905m/hr
Tue, 20/10/20 17:00	North West	Sustained	22	72	128	28km/h	0	3.3	14%	1,728m/hr
Tue, 20/10/20 18:00	West North West	Sustained	21	74	123	27km/h	0	2.8	15%	1,611m/hr
Tue, 20/10/20 19:00	North West	Sustained	21	74	124	23km/h	0	2.5	15%	1,398m/hr
Tue, 20/10/20 20:00	West North West	Sustained	20	77	123	23km/h	0	2.1	15%	1,338m/hr
Tue, 20/10/20 21:00	West North West	Sustained	19	79	121	22km/h	0	1.8	16%	1,278m/hr
Tue, 20/10/20 22:00	West North West	Sustained	19	81	120	22km/h	0	1.6	16%	1,229m/hr
Tue, 20/10/20 23:00	West North West	Difficult, Patchy	19	83	122	22km/h	0	1.4	16%	1,215m/hr
Wed, 21/10/20 00:00	West North West	Difficult, Patchy	18	85	121	22km/h	0	1.2	17%	1,154m/hr
Wed, 21/10/20 01:00	West North West	Difficult, Patchy	18	88	121	22km/h	0	1.0	17%	1,118m/hr
Wed, 21/10/20 02:00	North West	Difficult, Patchy	17	90	125	21km/h	0	0.9	17%	1,058m/hr
Wed, 21/10/20 03:00	North West	Difficult, Patchy	17	92	127	20km/h	0	0.7	18%	981m/hr
Wed, 21/10/20 04:00	North West	Difficult, Patchy	16	93	126	18km/h	0	0.7	18%	883m/hr
Wed, 21/10/20 05:00	North West	Difficult, Patchy	17	92	127	17km/h	0	0.7	18%	834m/hr
Wed, 21/10/20 06:00	North West	Sustained	21	75	130	16km/h	0	2.0	15%	976m/hr
Wed, 21/10/20 07:00	North West	Readily Sustained	25	55	136	16km/h	0	5.9	12%	1,223m/hr
Wed, 21/10/20 08:00	North West	Readily Sustained	27	48	144	16km/h	0	8.8	11%	1,369m/hr
Wed, 21/10/20 09:00	North West	Readily Sustained	29	44	143	17km/h	0	11.0	10%	1,528m/hr
Wed, 21/10/20 10:00	North West	Readily Sustained	29	44	130	19km/h	0	11.7	10%	1,718m/hr
Wed, 21/10/20 11:00	West North West	Readily Sustained	29	44	122	19km/h	0	12.0	10%	1,736m/hr
Wed, 21/10/20 12:00	West North West	Readily Sustained	29	45	117	20km/h	0	11.0	10%	1,713m/hr
Wed, 21/10/20 13:00	West North West	Readily Sustained	28	47	114	20km/h	0	10.4	10%	1,715m/hr
Wed, 21/10/20 14:00	West North West	Readily Sustained	27	49	111	21km/h	0	9.4	11%	1,703m/hr
Wed, 21/10/20 15:00	West North West	Readily Sustained	26	52	104	21km/h	0	8.1	11%	1,655m/hr
Wed, 21/10/20 16:00	West North West	Readily Sustained	24	58	103	22km/h	0	5.8	12%	1,611m/hr
Wed, 21/10/20 17:00	West North West	Sustained	22	67	101	23km/h	0	3.7	14%	1,529m/hr
Wed, 21/10/20 18:00	West	Sustained	21	70	96	22km/h	0	3.0	14%	1,391m/hr
Wed, 21/10/20 19:00	West	Sustained	20	70	92	18km/h	0	2.6	14%	1,143m/hr
Wed, 21/10/20 20:00	West	Sustained	20	74	90	15km/h	0	2.0	15%	927m/hr
Wed, 21/10/20 21:00	West	Sustained	19	76	84	14km/h	0	1.6	15%	852m/hr
Wed, 21/10/20 22:00	West	Sustained	19	78	81	15km/h	0	1.5	15%	892m/hr
Wed, 21/10/20 23:00	West	Sustained	18	80	83	17km/h	0	1.4	16%	955m/hr

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Detailed Weather Forecast (2) in the Vicinity of QF4-20-116117 FRASER ISLAND

Source: Bureau of Meteorology Gridded Weather. This information may have changed since time of release.

Any Special Fire Weather Forecasts Issued will superscede this information.

Hour of Select Date Range	Headfire Fire Direction of Travel	Estimated Ignition / Carry Potential	Temperature (C)	Humidity (%)	Wind Direction (Deg)	Wind Speed (km/h)	GFDI	FFDI	Max. Combined Fuel Moisture	Max. Estimated Headfire Rate of Spread
Thu, 22/10/20 00:00	West South West	Difficult, Patchy	18	82	77	11km/h	0	1.0	16%	614m/hr
Thu, 22/10/20 01:00	West South West	Difficult, Patchy	17	84	71	11km/h	0	0.9	16%	608m/hr
Thu, 22/10/20 02:00	West South West	Difficult, Patchy	17	86	65	10km/h	0	0.8	17%	559m/hr
Thu, 22/10/20 03:00	West South West	Difficult, Patchy	16	90	58	10km/h	0	0.6	17%	548m/hr
Thu, 22/10/20 04:00	West South West	Difficult, Patchy	16	89	58	11km/h	0	0.7	17%	575m/hr
Thu, 22/10/20 05:00	West South West	Difficult, Patchy	17	89	57	10km/h	0	0.7	17%	549m/hr
Thu, 22/10/20 06:00	West South West	Sustained	21	73	56	10km/h	0	1.9	15%	646m/hr
Thu, 22/10/20 07:00	South West	Readily Sustained	25	55	55	11km/h	0	5.6	12%	906m/hr
Thu, 22/10/20 08:00	South West	Readily Sustained	28	47	48	12km/h	0	8.6	10%	1,108m/hr
Thu, 22/10/20 09:00	South West	Readily Sustained	30	42	43	12km/h	0	10.9	10%	1,160m/hr
Thu, 22/10/20 10:00	South West	Readily Sustained	30	42	49	14km/h	0	11.3	10%	1,307m/hr
Thu, 22/10/20 11:00	West South West	Readily Sustained	29	43	57	15km/h	0	10.8	10%	1,345m/hr
Thu, 22/10/20 12:00	South West	Readily Sustained	29	44	46	16km/h	0	10.7	10%	1,453m/hr
Thu, 22/10/20 13:00	South West	Readily Sustained	29	45	49	19km/h	0	10.9	10%	1,638m/hr
Thu, 22/10/20 14:00	South West	Readily Sustained	28	48	51	20km/h	0	9.8	11%	1,689m/hr
Thu, 22/10/20 15:00	South West	Readily Sustained	27	51	53	21km/h	0	8.5	11%	1,662m/hr
Thu, 22/10/20 16:00	South West	Readily Sustained	25	58	51	20km/h	0	6.0	12%	1,522m/hr
Thu, 22/10/20 17:00	South West	Sustained	23	68	53	19km/h	0	3.3	14%	1,270m/hr
Thu, 22/10/20 18:00	South West	Sustained	22	71	54	19km/h	0	2.7	14%	1,194m/hr
Thu, 22/10/20 19:00	South West	Sustained	21	72	52	17km/h	0	2.4	14%	1,063m/hr
Thu, 22/10/20 20:00	South West	Sustained	20	75	54	16km/h	0	1.9	15%	980m/hr
Thu, 22/10/20 21:00	South West	Sustained	20	78	55	15km/h	0	1.6	15%	914m/hr
Thu, 22/10/20 22:00	South West	Sustained	19	79	54	15km/h	0	1.5	16%	897m/hr
Thu, 22/10/20 23:00	South West	Sustained	19	81	54	14km/h	0	1.3	16%	812m/hr
Fri, 23/10/20 00:00	South West	Difficult, Patchy	18	83	53	14km/h	0	1.1	16%	789m/hr
Fri, 23/10/20 01:00	South West	Difficult, Patchy	18	85	52	13km/h	0	1.0	16%	717m/hr
Fri, 23/10/20 02:00	South West	Difficult, Patchy	17	86	52	12km/h	0	0.8	17%	637m/hr
Fri, 23/10/20 03:00	South West	Difficult, Patchy	17	89	51	11km/h	0	0.7	17%	598m/hr
Fri, 23/10/20 04:00	South West	Difficult, Patchy	17	88	49	12km/h	0	0.7	17%	624m/hr
Fri, 23/10/20 05:00	South West	Difficult, Patchy	18	86	47	11km/h	0	0.9	17%	604m/hr
Fri, 23/10/20 06:00	South West	Sustained	21	72	45	11km/h	0	2.1	14%	748m/hr
Fri, 23/10/20 07:00	South West	Readily Sustained	26	54	43	14km/h	0	6.2	12%	1,157m/hr
Fri, 23/10/20 08:00	South West	Readily Sustained	28	48	41	15km/h	0	8.8	10%	1,289m/hr
Fri, 23/10/20 09:00	South West	Readily Sustained	29	44	39	14km/h	0	10.2	10%	1,271m/hr
Fri, 23/10/20 10:00	South West	Readily Sustained	30	44	44	17km/h	0	11.5	10%	1,576m/hr
Fri, 23/10/20 11:00	South West	Readily Sustained	30	43	43	19km/h	0	12.6	10%	1,753m/hr
Fri, 23/10/20 12:00	South West	Readily Sustained	29	44	42	20km/h	0	11.7	10%	1,732m/hr
Fri, 23/10/20 13:00	South West	Readily Sustained	29	46	41	21km/h	0	11.3	10%	1,807m/hr
Fri, 23/10/20 14:00	South West	Readily Sustained	28	49	41	23km/h	0	10.2	11%	1,878m/hr
Fri, 23/10/20 15:00	South West	Readily Sustained	27	53	40	22km/h	0	8.3	11%	1,773m/hr
Fri, 23/10/20 16:00	South West	Readily Sustained	25	60	40	22km/h	0	5.6	12%	1,573m/hr
Fri, 23/10/20 17:00	South West	Sustained	23	69	41	21km/h	0	3.3	14%	1,342m/hr
Fri, 23/10/20 18:00	South West	Sustained	22	73	44	21km/h	0	2.6	15%	1,284m/hr
Fri, 23/10/20 19:00	South West	Sustained	21	75	38	18km/h	0	2.2	15%	1,117m/hr
Fri, 23/10/20 20:00	South West	Sustained	21	78	36	17km/h	0	1.8	15%	1,027m/hr
Fri, 23/10/20 21:00	South South West	Sustained	20	81	32	16km/h	0	1.5	16%	945m/hr
Fri, 23/10/20 22:00	South South West	Sustained	20	82	30	17km/h	0	1.4	16%	990m/hr
Fri, 23/10/20 23:00	South South West	Difficult, Patchy	19	83	27	16km/h	0	1.3	16%	920m/hr

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Detailed Weather Forecast (3) in the Vicinity of QF4-20-116117 FRASER ISLAND

Source: Bureau of Meteorology Gridded Weather. This information may have changed since time of release.

Any Special Fire Weather Forecasts Issued will superscede this information.

Hour of Select Date Range	Headfire Fire Direction of Travel	Estimated Ignition / Carry Potential	Temperature (C)	Humidity (%)	Wind Direction (Deg)	Wind Speed (km/h)	GFDI	FFDI	Max. Combined Fuel Moisture	Max. Estimated Headfire Rate of Spread
Sat, 24/10/20 00:00	South South West	Difficult, Patchy	19	85	25	16km/h	0	1.1	16%	897m/hr
Sat, 24/10/20 01:00	South South West	Difficult, Patchy	18	87	22	16km/h	0	1.0	17%	875m/hr
Sat, 24/10/20 02:00	South South West	Difficult, Patchy	18	88	20	16km/h	0	0.9	17%	843m/hr
Sat, 24/10/20 03:00	South South West	Difficult, Patchy	17	91	17	16km/h	0	0.7	17%	826m/hr
Sat, 24/10/20 04:00	South South West	Difficult, Patchy	17	90	13	17km/h	0	0.8	17%	859m/hr
Sat, 24/10/20 05:00	South South West	Difficult, Patchy	18	90	10	16km/h	0	0.8	17%	832m/hr
Sat, 24/10/20 06:00	South South West	Sustained	22	75	6	16km/h	0	2.2	15%	1,009m/hr
Sat, 24/10/20 07:00	South South West	Readily Sustained	26	57	3	20km/h	0	6.3	12%	1,490m/hr
Sat, 24/10/20 08:00	South	Readily Sustained	28	50	359	21km/h	0	9.1	11%	1,702m/hr
Sat, 24/10/20 09:00	South	Readily Sustained	29	48	356	20km/h	0	10.2	10%	1,703m/hr
Sat, 24/10/20 10:00	South	Readily Sustained	30	47	354	20km/h	0	11.0	10%	1,725m/hr
Sat, 24/10/20 11:00	South	Readily Sustained	30	45	350	21km/h	0	12.0	10%	1,825m/hr
Sat, 24/10/20 12:00	South South East	Readily Sustained	30	46	347	19km/h	0	11.2	10%	1,681m/hr
Sat, 24/10/20 13:00	South	Readily Sustained	30	48	352	20km/h	0	10.7	10%	1,743m/hr
Sat, 24/10/20 14:00	South	Readily Sustained	29	51	355	22km/h	0	9.2	11%	1,775m/hr
Sat, 24/10/20 15:00	South	Readily Sustained	27	56	358	22km/h	0	7.3	12%	1,673m/hr
Sat, 24/10/20 16:00	South South West	Readily Sustained	25	64	6	22km/h	0	4.9	13%	1,511m/hr
Sat, 24/10/20 17:00	South South West	Sustained	23	75	9	21km/h	0	2.5	15%	1,266m/hr
Sat, 24/10/20 18:00	South South West	Sustained	22	81	10	21km/h	0	1.9	15%	1,196m/hr
Sat, 24/10/20 19:00	South South West	Sustained	21	82	12	21km/h	0	1.8	16%	1,200m/hr
Sat, 24/10/20 20:00	South South West	Difficult, Patchy	21	85	14	20km/h	0	1.4	16%	1,098m/hr
Sat, 24/10/20 21:00	South South West	Difficult, Patchy	20	87	15	19km/h	0	1.2	17%	1,036m/hr
Sat, 24/10/20 22:00	South	Difficult, Patchy	20	90	349	19km/h	0	1.0	17%	995m/hr
Sat, 24/10/20 23:00	South South East	Difficult, Patchy	19	92	348	19km/h	0	0.9	17%	950m/hr
Sun, 25/10/20 00:00	South	Difficult, Patchy	19	94	356	20km/h	0	0.8	18%	972m/hr
Sun, 25/10/20 01:00	South South East	Difficult, Patchy	19	96	347	19km/h	0	0.7	18%	924m/hr
Sun, 25/10/20 02:00	South	Difficult, Patchy	18	97	351	18km/h	0	0.6	18%	867m/hr
Sun, 25/10/20 03:00	South	Difficult, Patchy	18	100	349	18km/h	0	0.5	18%	820m/hr
Sun, 25/10/20 04:00	South	Difficult, Patchy	18	100	350	19km/h	0	0.5	19%	858m/hr
Sun, 25/10/20 05:00	South South East	Difficult, Patchy	19	100	341	18km/h	0	0.6	18%	851m/hr
Sun, 25/10/20 06:00	South South East	Sustained	22	84	340	19km/h	0	1.6	16%	1,084m/hr
Sun, 25/10/20 07:00	South South East	Readily Sustained	26	62	340	23km/h	0	5.5	13%	1,619m/hr
Sun, 25/10/20 08:00	South South East	Readily Sustained	29	54	339	24km/h	0	8.8	11%	1,912m/hr
Sun, 25/10/20 09:00	South South East	Readily Sustained	30	51	338	23km/h	0	10.2	11%	1,908m/hr
Sun, 25/10/20 10:00	South South East	Readily Sustained	30	50	345	23km/h	0	10.4	11%	1,915m/hr
Sun, 25/10/20 11:00	South South East	Readily Sustained	31	49	339	25km/h	0	11.3	10%	2,051m/hr
Sun, 25/10/20 12:00	South South East	Readily Sustained	30	52	340	24km/h	0	10.0	11%	1,919m/hr
Sun, 25/10/20 13:00	South South East	Readily Sustained	30	53	341	24km/h	0	9.3	11%	1,895m/hr
Sun, 25/10/20 14:00	South South East	Readily Sustained	29	57	345	24km/h	0	7.9	12%	1,850m/hr
Sun, 25/10/20 15:00	South	Readily Sustained	27	61	350	23km/h	0	6.0	12%	1,669m/hr
Sun, 25/10/20 16:00	South	Sustained	26	68	353	23km/h	0	4.2	13%	1,532m/hr
Sun, 25/10/20 17:00	South	Sustained	24	79	354	22km/h	0	2.3	15%	1,298m/hr
Sun, 25/10/20 18:00	South	Sustained	23	83	352	22km/h	0	1.8	16%	1,220m/hr
Sun, 25/10/20 19:00	South	Sustained	22	83	354	22km/h	0	1.8	16%	1,254m/hr
Sun, 25/10/20 20:00	South	Difficult, Patchy	22	87	359	21km/h	0	1.3	16%	1,108m/hr
Sun, 25/10/20 21:00	South South West	Difficult, Patchy	21	89	2	20km/h	0	1.2	17%	1,042m/hr
Sun, 25/10/20 22:00	South South West	Difficult, Patchy	21	91	3	20km/h	0	1.0	17%	1,012m/hr
Sun, 25/10/20 23:00	South	Difficult, Patchy	20	92	359	18km/h	0	0.9	17%	941m/hr

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Fire in surface fuels only

Flame Height = 0.5-1.0m,

Forward Rate of Spread = 50-100m/hr

Intensity ~ 200 to 400 kW/m

Direct Attack Very Safe / Very Effective

Fire in surface and bark fuels

Flame Height = 1.5 m (plus height of bark fires),

Forward Rate of Spread = 100-300 m/hr

Intensity ~ 500 to 1000 kW/m

Direct Attack Safe / Effective

Fire in Surface, Bark and Elevated Fuels

Flame Height = 1.5 to3 m,

Forward Rate of Spread = 300-500 m/hr

Intensity ~ 1500 to 2500 kW/m

Direct Attack Safe / Effective

Fire in Surface, Bark and Elevated Fuels

Some Passive Crowning

Flame Height = 3 to 5 m,

Forward Rate of Spread = 500-1200 m/hr

Intensity ~ 3000 to 4000 kW/m

Direct Attack Safe / Effective (Upper end)

Fire in Surface, Bark and Elevated Fuels

Periodic Active Crowning

Flame Height = 5 to 10 m,

Forward Rate of Spread = 1200-2000 m/hr

Intensity ~ 4000 to 10000 kW/m

Direct Attack NOT Safe / NOT Effective

Fire in Surface, Bark and Elevated Fuels

Sustained Active Crowning

Flame Height > 10 m,

Forward Rate of Spread >2000 m/hr

Intensity ~ > 10000 kW/m

Direct Attack NOT Safe / NOT Effective

Assumptions:
Fuel / Moisture Models:
1. Forest is the McArthur Mk 5 model using the Matthews Fuel Moisture reformulation.
2. The Heath model is Anderson's Heath Model with the Fuel Moisture Model therein.
3. Grass Models are the CSIRO Grass models for Eaten Out (1.5t/ha) , Grazed (3.5(t/ha) and Natural (5t/ha).
4. Woodlands used the Natural Grass ROS model with a speed speed reduction factor applied based on % canopy cover as outlined in the AFAC Rate of Spread guide.

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Australian Government
Bureau of Meteorology

IDQ20102
Australian Government Bureau of Meteorology
Queensland

Incident Weather Forecast for Fraser Island

Issued at 11:41 am EST on Monday 19 October 2020.

Incident Type: Wildfire	Website Form No: 003
Forecast Location: 1.4 km south of Lake Yeenan	Request No: 4
Latitude/Longitude: -24.91 153.238611	Fax Number: ##
Elevation (metres ASL): 43-70	Contact Ph: Personal inform, 07 3635 1808
Fuel Type: Other	Contact Name: Russell Stephens-Peacock
	Email: russell.stephens-peacock@qfes.qld.gov.au

Significant wind changes during the forecast period, including uncertainties

Winds are expected to be moderate from the northwest during the day today (25-30 km/hr). From late this evening (around 8pm), winds should become light (around 10km/hr) from the northeast, before a moderate southeasterly chance (around 20 km/hr) arrives early tomorrow morning, at around 1am. These southeasterly winds will persist and strengthen during the day tomorrow, up to 25 km/hr.

Forecast thunderstorm potential, precipitation and cloud, including uncertainties

40% chance of showers overnight tonight with the southeasterly change, reducing to a 20% chance tomorrow afternoon before clearing. Nil chance of thunderstorms during the forecast period. Pyrocumulus is possible but dry lightning is unlikely.

Spatial variation of conditions and other important information

The nearest, most similar observation site is Hervey Bay, with current conditions of 26C, 25 km/hr northerly winds and relative humidity of 60%.

30 Hour Forecast commencing 1200 hours Monday 19 October 2020

Drought factor: 10 **Curing value (%): 35** **Fuel Load (t/ha): 3.8**

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)			1000m AGL Wind (km/h)		FFDI	GFDI	cHaines	Mix Height (m) MSL	TAL
				Dir	Speed	Gust	Dir	Speed					
1200	30	17	46	WNW	25	40	NW	20	13	0	3	2300	0
1300	30	17	46	NW	25	35	NW	20	13	0	3	2200	0
1400	30	17	46	NW	25	40	NW	20	13	0	4	2200	0
1500	29	17	48	NNW	25	45	WNW	15	11	0	4	2000	0
1600	27	17	54	NNW	25	45	W	15	9	0	5	1500	0
1700	25	18	65	NNW	30	45	W	15	6	0	5	1000	0
1800	23	18	73	NNW	25	45	W	15	4	0	5	800	0
1900	23	18	73	NNW	15	25	W	15	3	0	5	600	0
2000	22	18	78	NE	10	15	W	15	2	0	5	600	0
2100	21	18	83	NE	10	15	W	10	2	0	4	400	0
2200	21	18	83	ENE	10	15	ESE	10	2	0	4	300	1
2300	20	18	88	ENE	10	15	E	10	1	0	3	100	1
0000	19	18	94	NE	10	15	ENE	10	1	0	3	0	1
0300	17	17	100	SE	20	30	SW	5	1	0	2	0	1

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30 Hour Forecast commencing 1200 hours Monday 19 October 2020													
Drought factor: 10			Curing value (%): 35				Fuel Load (t/ha): 3.8						
Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)			1000m AGL Wind (km/h)		FFDI	GFDI	cHaines	Mix Height (m) MSL	TAL
				Dir	Speed	Gust	Dir	Speed					
0600	17	17	100	SE	20	30	SSW	5	1	0	2	0	1
0900	27	18	58	SE	15	25	S	15	6	0	1	2000	1
1200	29	17	48	ESE	15	30	SSE	20	9	0	1	2400	0
1500	27	17	54	SE	25	40	SE	30	9	0	1	2100	0
1800	22	17	73	SE	25	45	SE	30	4	0	1	1100	0

AGL - Above Ground Level, RH - Relative Humidity, Dir - Direction, Dewpt - Dew Point, cHaines - Continuous Haines (0-13), TAL – Thunderstorm Activity Level (0-3). Note: Mixing height is above Mean Sea Level (MSL), to get AGL height subtract incident elevation from value given.

Outlook for Tuesday

Maximum temperature 29 C. Minimum relative humidity about 50%. Chance of at least 5 mm rainfall 10%. 9 am conditions: Temperature: 27 C; Relative humidity: 55%; Wind: SE 15 km/h. 3 pm conditions: Temperature: 27 C; Relative humidity: 55%; Wind: SE 25 km/h.

Outlook for Wednesday

Maximum temperature 29 C. Minimum relative humidity about 40%. Chance of at least 5 mm rainfall 5%. 9 am conditions: Temperature: 27 C; Relative humidity: 50%; Wind: SE 15 km/h. 3 pm conditions: Temperature: 28 C; Relative humidity: 45%; Wind: E 20 km/h.

Outlook for Thursday

Maximum temperature 29 C. Minimum relative humidity about 40%. Chance of at least 5 mm rainfall 5%. 9 am conditions: Temperature: 27 C; Relative humidity: 50%; Wind: NE 10 km/h. 3 pm conditions: Temperature: 28 C; Relative humidity: 50%; Wind: NE 15 km/h.

Outlook for Friday

Maximum temperature 30 C. Minimum relative humidity about 45%. Chance of at least 5 mm rainfall 0%. 9 am conditions: Temperature: 28 C; Relative humidity: 50%; Wind: N 15 km/h. 3 pm conditions: Temperature: 29 C; Relative humidity: 50%; Wind: N 20 km/h.

* ##

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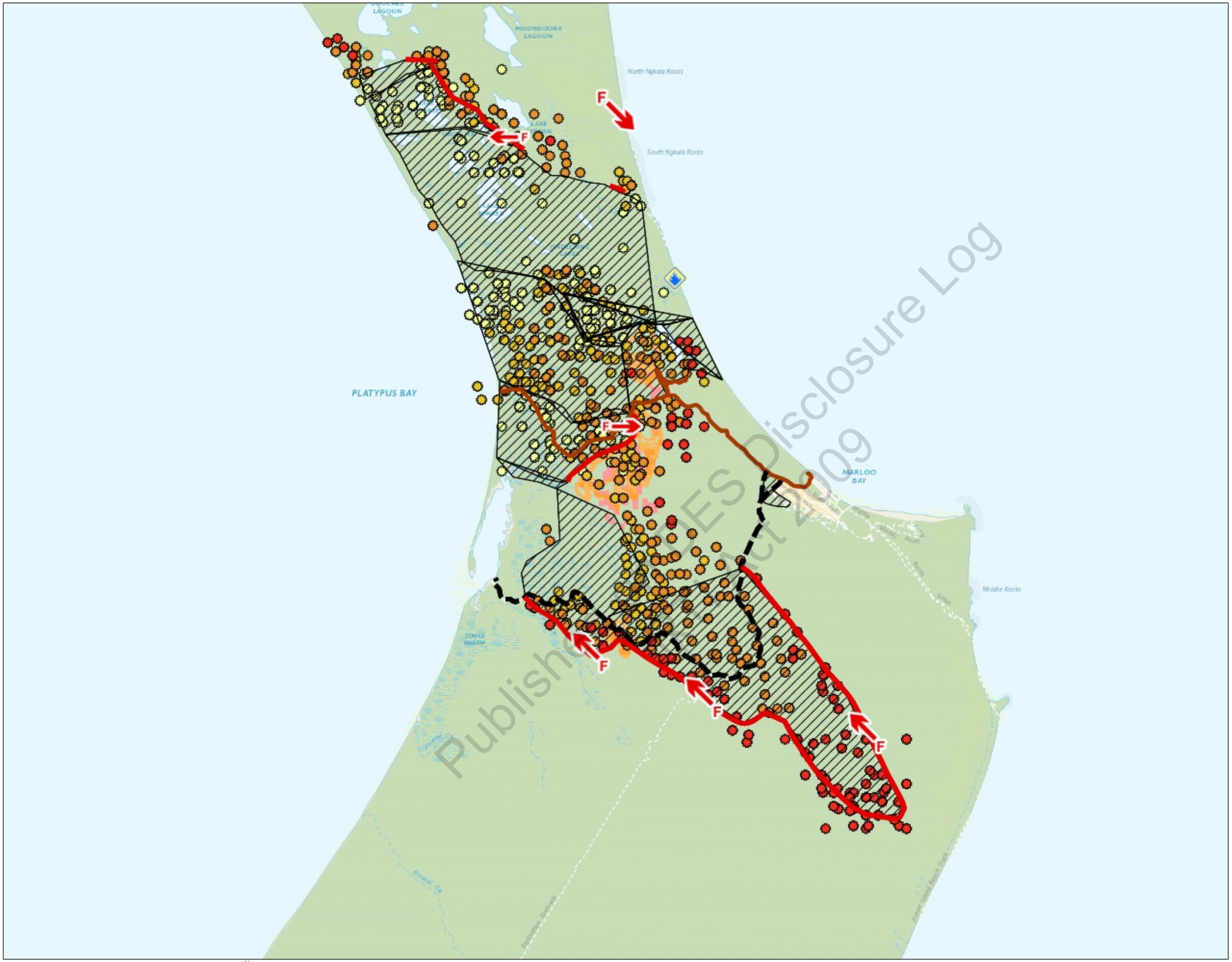
TOM Map

Fraser Island



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Legend

Current Incidents
- FIRE VEHICLE *
- FIRE VEHICLE *
- FIRE VEGETATION
- FIRE VEGETATION EXPOSURES
- (FIRE VEGETATION)
- PERMITTED BURN (ATTENDANCE)
- HAZARD *
- HAZARD *
- HAZARD *
- HAZARD *
- HAZARD *
- FIRE STRUCTURE *
- FIRE STRUCTURE *
- FIRE STRUCTURE *
- FIRE STRUCTURE *
- FIRE STRUCTURE *
- (FIRE STRUCTURE)
- ASSIST ANIMAL RESCUE
- ALARM *
- ALARM *
- ALARM *
- ALARM *
- ASSIST EXTREME WEATHER
- RESCUE ROAD *
- RESCUE ROAD *
- RESCUE ROAD *
- RESCUE ROAD *
- RESCUE WATER ALL TYPES

Fire Direction
- Fire E
- Fire N
- Fire NE
- Fire NW
- Fire S
- Fire SE
- Fire SW
- Fire W

Fire Lines
- Access Track
- Back Burn - Completed
- Back Burn - Planned
- Evacuation Route
- Fire Control Line - Completed
- Fire Control Line - Planned
- Fire Edge - Active
- Fire Edge - Predicted
- Powerlines
- Sector Boundary

Fire Areas
- Burnt Area - Current
- Control Area

All Current Hotspots
- Perimeters
- Hour Spot

Disclaimer: This product has been prepared for Queensland Fire and Emergency Services and Public Safety Business Agency. Other users must satisfy themselves it is accurate and suitable for their purpose. QFES & PSBA does not accept any liability for any loss or damage that may arise from the use of or reliance on this information.

Queensland Government

20-266

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Kilometres

WGS_1984_Web_Mercator_Auxiliary_Sphere

This map was automatically generated using Geocortex Essentials.

GDA

A3 map produced at:
October 20, 2020 10:23:21 AM

Date : 29/11/2020 8:14:04 AM
From : "KLAASSEN Ben"
To : "CAMBOURN Neil" , "CUBIS Mick" , "HEAD Damien" , "HARRIS Leigh"
Subject : FW: Spot Fire Weather Forecast - Happy Valley
Attachment : IDQ20100 - Happy Valley.pdf;

FYI

From: Michael Wassing <Michael.Wassing@qfes.qld.gov.au>
Sent: Sunday, 29 November 2020 8:12 AM
To: KLAASSEN Ben
Subject: Fwd: Spot Fire Weather Forecast - Happy Valley

Get Outlook for iOS

From: SOC State Coordinator <SOC.StateCoordinator@qfes.qld.gov.au>
Sent: Sunday, November 29, 2020 8:07:57 AM
To: ICC North Coast Region Maryborough <ICCNorthCoastRegion.Maryborough@qfes.qld.gov.au>; ROC North Coast <ROC.NorthCoast@qfes.qld.gov.au>; Joanne Greenfield <Joanne.Greenfield@qfes.qld.gov.au>; Michael Wassing <Michael.Wassing@qfes.qld.gov.au>; SDCC <SDCC@qfes.qld.gov.au>
Subject: FW: Spot Fire Weather Forecast - Happy Valley

Hi All,
Weather report for Happy Valley

Regards

Brad

State Coordinator

State Operations Centre
Queensland Fire and Emergency Services I State Operational Coordination Branch
Level 2 Disaster Management Centre I 125 Kedron Park Rd I Kedron Q4031
Phone 07 3635 2461
soc.admin@qfes.qld.gov.au

-----Original Message-----
From: SOC Admin <soc.admin@qfes.qld.gov.au>
Sent: Sunday, 29 November 2020 7:29 AM
To: SOC Operations <SOC.Operations@qfes.qld.gov.au>; SOC Operations Support <SOC.OpsSupport@qfes.qld.gov.au>; SOC Planning <SOC.Planning@qfes.qld.gov.au>; SOC State Coordinator <SOC.StateCoordinator@qfes.qld.gov.au>
Subject: FW: Spot Fire Weather Forecast - Happy Valley

State Operations Centre
Queensland Fire and Emergency Services I State Operational Coordination Branch Level 2 Disaster Management Centre I 125 Kedron Park Rd I Kedron Q4031 Phone 07 3635 2461 soc.admin@qfes.qld.gov.au

-----Original Message-----
From: QFES Predictive Services Unit <QFES.PredictiveServicesUnit@qfes.qld.gov.au>
Sent: Sunday, 29 November 2020 5:50 AM
To: Andrew Allan <Andrew.Allan@qfes.qld.gov.au>; Bruce Thompson <Bruce.Thompson@qfes.qld.gov.au>; David Grant <David.Grant@qfes.qld.gov.au>; Francis Hines <Francis.Hines@qfes.qld.gov.au>; Gary McCormack <Gary.McCormack@qfes.qld.gov.au>; James Haig <James.Haig@qfes.qld.gov.au>; Jeff Keating <Jeff.Keating@qfes.qld.gov.au>; Joanne Greenfield <Joanne.Greenfield@qfes.qld.gov.au>; John Rolfe <John.Rolfe@qfes.qld.gov.au>; Martin Taylor <Martin.Taylor@qfes.qld.gov.au>; Matthew Inwood <Matthew.Inwood@qfes.qld.gov.au>; Merrick Ilett <Merrick.Ilett@qfes.qld.gov.au>; Michael Artlett <Michael.Artlett@qfes.qld.gov.au>; Michael Koch <Michael.Koch@qfes.qld.gov.au>; Peter Hollier <Peter.Hollier@qfes.qld.gov.au>; QFES Media <QFES.Media@qfes.qld.gov.au>; QFES Met <QFESMet@bom.gov.au>; QFES Predictive Services Unit <QFES.PredictiveServicesUnit@qfes.qld.gov.au>; QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>; ROC North Coast <ROC.NorthCoast@qfes.qld.gov.au>; Russell Stephens-Peacock <Russell.Stephens-Peacock@qfes.qld.gov.au>; SDCCPLANS <SDCCPLANS@qfes.qld.gov.au>; ShauneToohey <SHAUNE.TOOHEY@qfes.qld.gov.au>; SOC Admin <soc.admin@qfes.qld.gov.au>; SOC Plan Model Predict Unit <SOC.PlanModelPredictUnit@qfes.qld.gov.au>; Tony Johnstone <Tony.Johnstone@qfes.qld.gov.au>; SOC Plan Model Predict Unit <SOC.PlanModelPredictUnit@qfes.qld.gov.au>
Cc: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>; BROOK Scott <Scott.Brook@des.qld.gov.au>; KILLEN Tim <tim.killen@des.qld.gov.au>; Warren McKean <Warren.McKean@qfes.qld.gov.au>; Kent Barron <Kent.Barron@qfes.qld.gov.au>; QFESNCR.COM82 <QFESNCR.COM82@qfes.qld.gov.au>; Richard Onn <Richard.Onn@qfes.qld.gov.au>

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Subject: BOM: Spot Fire Weather Forecast - Happy Valley

IDQ20100
Australian Government Bureau of Meteorology Queensland

Incident Weather Forecast for Fraser Island - Happy Valley Issued at 5:16 am EST on Sunday 29 November 2020.

Incident Type: Wildfire
Forecast Location: 1km west of Happy Valley
Latitude/Longitude: -25.329082 153.187435 Elevation (metres ASL): 50 Fuel Type: Forest Website Form No: 001 Request No: 6 Fax Number: ##
Contact Ph: 0400 373 821 Contact Name: Francis Hines
Email: francis.hines@qfes.qld.gov.au

Significant wind changes during the forecast period, including uncertainties Winds north to northwesterly 10 to 15 km/h increasing to 15 to 20 km/h in the afternoon. A shift to the north northeast is possible between about 12 noon and
4 pm with a sea breeze boundary attempting to push inland from the east coast and possibly moving over the fire area. This feature may linger over the fire area for several hours during the early afternoon. Otherwise, generally north to northwesterly winds are expected to persist over the Island until a southerly change moves northwards into the area on Wednesday night and Thursday morning.

Forecast thunderstorm potential, precipitation and cloud, including uncertainties Near zero chance of rainfall (<5%). Stable conditions with no thunderstorm activity expected throughout the forecast period. A few clouds with bases around 3000ft early this morning, clearing later in the day.

Spatial variation of conditions and other important information Depending on the size and intensity of the fire, smoke has the potential to spread towards Gympie and parts of the Sunshine Coast.
Curing and fuel load derived from satellite. Drought factor interpolated from nearby locations.

30 HOUR FORECAST COMMENCING 0700 HOURS SUNDAY 29 NOVEMBER 2020 Drought factor: 10

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h) Dir	Speed	Gust	1000m AGL Wind(km/h) Dir	Speed	FDI	Mixing height (m)AMSL	cHaines	TAL
0700	25	17	61	N	10	15	N	20	4	1200	6	0
0800	26	16	54	N	10	15	N	15	6	1300	5	0
0900	28	16	48	N	10	15	N	15	8	1500	2	0
1000	29	16	45	N	10	15	N	15	9	1700	0	0
1100	29	16	45	N	10	15	N	15	9	1700	1	0
1200	29	17	48	NW	10	15	N	15	8	1600	2	0
1300	30	17	46	N	10	20	N	15	9	1600	3	0
1400	29	17	48	N	15	20	N	15	9	1500	4	0
1500	29	17	48	N	15	25	N	15	9	1400	5	0
1600	28	17	51	N	15	30	N	20	8	1200	6	0
1700	27	17	54	N	20	30	N	15	8	1100	6	0
1800	25	18	65	N	20	30	N	15	5	900	7	0
1900	24	18	69	N	15	30	N	15	4	700	7	0
2200	22	18	78	N	15	25	NW	5	3	600	5	0
0100	22	19	83	NW	15	30	NW	15	2	500	7	0
0400	21	19	88	NW	20	30	NW	15	2	400	7	0
0700	26	19	65	NW	20	30	NW	15	5	800	8	0
1000	29	19	55	NW	15	20	NW	10	7	1300	7	0
1300	31	19	49	NW	10	15	NW	5	8	1300	7	0

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point, cHaines - Continuous Haines (0-13), TAL â€“ Thunderstorm Activity Level (0-3).
Note: Mixing height is above Mean Sea Level (MSL), to get AGL height subtract incident elevation from value given.

OUTLOOK for Monday
Mostly sunny. Winds north to northwesterly 20 to 30 km/h.

Fuel type: Forest FDI type: Forest Drought factor: 10

Local Time	Temp (C)	RH (%)	10m Wind (km/h) Dir	Speed	Gust	1000m AGL Wind(km/h) Dir	Speed	FDI	Mixing height (m)AMSL	Max cHaines	Max TAL	Daily Rain (mm)	Prob > 5 (%)
Max 12:00	31	49	NW	10	15	NW	5	8	1300	8	0	0	
Min 00:00	22	83	N	15	25	NW	10	2	500				

OUTLOOK for Tuesday

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Mostly sunny. Winds north to northwesterly 20 to 30 km/h.

Fuel type: Forest FDI type: Forest Drought factor: 10

	Local Time	Temp (C)	RH (%)	10m Wind (km/h) Dir	10m Wind (km/h) Speed	10m Wind (km/h) Gust	1000m AGL Wind(km/h) Dir	1000m AGL Wind(km/h) Speed	FDI height (m)AMSL	Mixing cHaines	Max TAL	Max Daily Rain mm	Prob Rain > 5 (%)
Max	14:00	30	55	N	20	30	N	15	1300	9		0	0
Min	01:00	22	88	NE	5	10	NE	15	400				

OUTLOOK for Wednesday
Sunny. Winds north to northwesterly 20 to 30 km/h turning northeasterly 15 to 20 km/h later.

Fuel type: Forest FDI type: Forest Drought factor: 10

	Local Time	Temp (C)	RH (%)	10m Wind (km/h) Dir	10m Wind (km/h) Speed	10m Wind (km/h) Gust	1000m AGL Wind(km/h) Dir	1000m AGL Wind(km/h) Speed	FDI height (m)AMSL	Mixing cHaines	Max TAL	Max Daily Rain mm	Prob Rain > 5 (%)
Max	12:00	31	52	N	20	35	NW	5	1300	8		0	0
Min	05:00	21	94	N	15	30	N	15	100				

OUTLOOK for Thursday

Fuel type: Forest FDI type: Forest Drought factor: 10

	Local Time	Temp (C)	RH (%)	10m Wind (km/h) Dir	10m Wind (km/h) Speed	10m Wind (km/h) Gust	1000m AGL Wind(km/h) Dir	1000m AGL Wind(km/h) Speed	FDI height (m)AMSL	Mixing cHaines	Max TAL	Max Daily Rain mm	Prob Rain > 5 (%)
Max	12:00	31	52	E	15	25	SE	15	1700	4		0	0
Min	03:00	21	94	NE	10	15	SE	20	500				

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the QFES Meteorologist at the State Disaster Coordination Centre on 07 3635 2364. Weather observations can be submitted via the online Incident Weather Forecast request system or sent via email to QFESMet@bom.gov.au to assist with forecast verification.

- For wildfires and Hazmats: Contact the Meteorologist at the Queensland Forecasting Centre on 07 3239 8602. Weather observations can be submitted via the online Incident Weather Forecast request system or sent via email to QLDSpotFire@bom.gov.au to assist in forecast verification.

2 metre wind (km/h)* 5 10 15 20 25 30 40 50 60
10 metre wind (km/h)** 8 17 25 33 42 50 67 83 100
Beaufort Number 2 3 4 5 6 7 8 9 10
*wind measured in cleared area
**use 10m wind for calculation of FFDI and GFDI*

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All reasonable precautions will be taken to respect the privacy of individuals in accordance with the Information Privacy Act 2009 (Qld).

Australian Government
Bureau of Meteorology

IDQ20100
Australian Government Bureau of Meteorology
Queensland

Incident Weather Forecast for Fraser Island - Happy Valley

Issued at 5:16 am EST on Sunday 29 November 2020.

Incident Type: Wildfire	Website Form No: 001
Forecast Location: 1km west of Happy Valley	Request No: 6
Latitude/Longitude: -25.329082 153.187435	Fax Number: ##
Elevation (metres ASL): 50	Contact Ph: Personal informa
Fuel Type: Forest	Contact Name: Francis Hines
	Email: francis.hines@qfes.qld.gov.au

Significant wind changes during the forecast period, including uncertainties

Winds north to northwesterly 10 to 15 km/h increasing to 15 to 20 km/h in the afternoon. A shift to the north northeast is possible between about 12 noon and 4 pm with a sea breeze boundary attempting to push inland from the east coast and possibly moving over the fire area. This feature may linger over the fire area for several hours during the early afternoon. Otherwise, generally north to northwesterly winds are expected to persist over the Island until a southerly change moves northwards into the area on Wednesday night and Thursday morning.

Forecast thunderstorm potential, precipitation and cloud, including uncertainties

Near zero chance of rainfall (<5%). Stable conditions with no thunderstorm activity expected throughout the forecast period. A few clouds with bases around 3000ft early this morning, clearing later in the day.

Spatial variation of conditions and other important information

Depending on the size and intensity of the fire, smoke has the potential to spread towards Gympie and parts of the Sunshine Coast.

Curing and fuel load derived from satellite. Drought factor interpolated from nearby locations.

30 Hour Forecast commencing 0700 hours Sunday 29 November 2020

Drought factor: 10

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)			1000m AGL Wind (km/h)		FDI	Mix Height (m) AMSL	cHaines	TAL
				Dir	Speed	Gust	Dir	Speed				
0700	25	17	61	N	10	15	N	20	4	1200	6	0
0800	26	16	54	N	10	15	N	15	6	1300	5	0
0900	28	16	48	N	10	15	N	15	8	1500	2	0
1000	29	16	45	N	10	15	N	15	9	1700	0	0
1100	29	16	45	N	10	15	N	15	9	1700	1	0
1200	29	17	48	NW	10	15	N	15	8	1600	2	0
1300	30	17	46	N	10	20	N	15	9	1600	3	0
1400	29	17	48	N	15	20	N	15	9	1500	4	0
1500	29	17	48	N	15	25	N	15	9	1400	5	0
1600	28	17	51	N	15	30	N	20	8	1200	6	0
1700	27	17	54	N	20	30	N	15	8	1100	6	0
1800	25	18	65	N	20	30	N	15	5	900	7	0

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30 Hour Forecast commencing 0700 hours Sunday 29 November 2020												
Drought factor: 10												
Local Time	**Temp (C)**	**Dewpt (C)**	**RH (%)**	**10m Wind (km/h)**			**1000m AGL Wind (km/h)**		**FDI**	**Mix Height (m) AMSL**	**cHaines**	**TAL**
				Dir	**Speed**	**Gust**	**Dir**	**Speed**				
1900	24	18	69	N	15	30	N	15	4	700	7	0
2200	22	18	78	N	15	25	NW	5	3	600	5	0
0100	22	19	83	NW	15	30	NW	15	2	500	7	0
0400	21	19	88	NW	20	30	NW	15	2	400	7	0
0700	26	19	65	NW	20	30	NW	15	5	800	8	0
1000	29	19	55	NW	15	20	NW	10	7	1300	7	0
1300	31	19	49	NW	10	15	NW	5	8	1300	7	0

AGL - Above Ground Level, RH - Relative Humidity, Dir - Direction, Dewpt - Dew Point, cHaines - Continuous Haines (0-13), TAL – Thunderstorm Activity Level (0-3). Note: Mixing height is above Mean Sea Level (MSL), to get AGL height subtract incident elevation from value given.

Outlook for Monday

Mostly sunny. Winds north to northwesterly 20 to 30 km/h.

Fuel type: Forest **FDI type:** Forest **Drought factor:** 10													
	Local Time	**Temp (C)**	**RH (%)**	**10m Wind (km/h)**			**1000m AGL Wind (km/h)**		**FDI**	**Mix Height (m) AMSL**	**Max cHaines**	**Max TAL**	**Daily Prob Rain > 5 mm (%)**
				Dir	**Speed**	**Gust**	**Dir**	**Speed**					
Max	12:00	31	49	NW	10	15	NW	5	8	1300	8	0	0
Min	00:00	22	83	N	15	25	NW	10	2	500			

Outlook for Tuesday

Mostly sunny. Winds north to northwesterly 20 to 30 km/h.

Fuel type: Forest **FDI type:** Forest **Drought factor:** 10													
	Local Time	**Temp (C)**	**RH (%)**	**10m Wind (km/h)**			**1000m AGL Wind (km/h)**		**FDI**	**Mix Height (m) AMSL**	**Max cHaines**	**Max TAL**	**Daily Prob Rain > 5 mm (%)**
				Dir	**Speed**	**Gust**	**Dir**	**Speed**					
Max	14:00	30	55	N	20	30	N	15	8	1300	9	0	0
Min	01:00	22	88	NE	5	10	NE	15	1	400			

Outlook for Wednesday

Sunny. Winds north to northwesterly 20 to 30 km/h turning northeasterly 15 to 20 km/h later.

Fuel type: Forest **FDI type:** Forest **Drought factor:** 10													
	Local Time	**Temp (C)**	**RH (%)**	**10m Wind (km/h)**			**1000m AGL Wind (km/h)**		**FDI**	**Mix Height (m) AMSL**	**Max cHaines**	**Max TAL**	**Daily Prob Rain > 5 mm (%)**
				Dir	**Speed**	**Gust**	**Dir**	**Speed**					
Max	12:00	31	52	N	20	35	NW	5	9	1300	8	0	0
Min	05:00	21	94	N	15	30	N	15	1	100			

Outlook for Thursday

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Fuel type: Forest **FDI type:** Forest **Drought factor:** 10													
	Local Time	**Temp (C)**	**RH (%)**	**10m Wind (km/h)**			**1000m AGL Wind (km/h)**		**FDI**	**Mix Height (m) AMSL**	**Max cHaines**	**Max TAL**	**Daily Prob Rain > 5 mm (%)**
				Dir	**Speed**	**Gust**	**Dir**	**Speed**					
Max	12:00	31	52	E	15	25	SE	15	8	1700	4	0	0
Min	03:00	21	94	NE	10	15	SE	20	1	500			

* For fire fighter and public safety make regular on-site weather observations.
* For planned burns: Contact the QFES Meteorologist at the State Disaster Coordination Centre on 07 3635 2364. Weather observations can be submitted via the online Incident Weather Forecast request system or sent via email to QFESMet@bom.gov.au to assist with forecast verification.
* For wildfires and Hazmats: Contact the Meteorologist at the Queensland Forecasting Centre on 07 3239 8602. Weather observations can be submitted via the online Incident Weather Forecast request system or sent via email to QLDSpotFire@bom.gov.au to assist in forecast verification.

2 metre wind (km/h) *wind measured in cleared area	5	10	15	20	25	30	40	50	60
10 metre wind (km/h) *use 10m wind for calculation of FFDI and GFDI*	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

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Date : 29/11/2020 8:14:52 AM
From : "KLAASSEN Ben"
To : "CAMBOURN Neil" , "HARRIS Leigh" , "CUBIS Mick" , "HEAD Damien"
Subject : FW: Spot Fire Weather Forecast 2 - Kingfisher Bay
Attachment : IDQ20101 - Kingfisher Bay.pdf;

FYI

From: Michael Wassing <Michael.Wassing@qfes.qld.gov.au>
Sent: Sunday, 29 November 2020 8:12 AM
To: KLAASSEN Ben
Subject: Fwd: Spot Fire Weather Forecast 2 - Kingfisher Bay

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From: SOC State Coordinator <SOC.StateCoordinator@qfes.qld.gov.au>
Sent: Sunday, November 29, 2020 8:06:47 AM
To: ICC North Coast Region Maryborough <ICCNorthCoastRegion.Maryborough@qfes.qld.gov.au>; ROC North Coast <ROC.NorthCoast@qfes.qld.gov.au>; SDCC <SDCC@qfes.qld.gov.au>; Joanne Greenfield <Joanne.Greenfield@qfes.qld.gov.au>; Michael Wassing <Michael.Wassing@qfes.qld.gov.au>
Subject: FW: Spot Fire Weather Forecast 2 - Kingfisher Bay

Hi All,
Weather report for Frazer Island. FYI

Regards

Brad

State Coordinator

State Operations Centre
Queensland Fire and Emergency Services I State Operational Coordination Branch
Level 2 Disaster Management Centre I 125 Kedron Park Rd I Kedron Q4031
Phone 07 3635 2461
soc.admin@qfes.qld.gov.au

-----Original Message-----
From: SOC Admin <soc.admin@qfes.qld.gov.au>
Sent: Sunday, 29 November 2020 7:27 AM
To: SOC Operations <SOC.Operations@qfes.qld.gov.au>; SOC Operations Support <SOC.OpsSupport@qfes.qld.gov.au>; SOC Planning <SOC.Planning@qfes.qld.gov.au>; SOC State Coordinator <SOC.StateCoordinator@qfes.qld.gov.au>
Subject: FW: Spot Fire Weather Forecast 2 - Kingfisher Bay

State Operations Centre
Queensland Fire and Emergency Services I State Operational Coordination Branch Level 2 Disaster Management Centre I 125 Kedron Park Rd I Kedron Q4031 Phone 07 3635 2461 soc.admin@qfes.qld.gov.au

-----Original Message-----
From: QFES Predictive Services Unit <QFES.PredictiveServicesUnit@qfes.qld.gov.au>
Sent: Sunday, 29 November 2020 5:48 AM
To: PSU Reports NCR <PSUReportsNCR@qfes.qld.gov.au>; SOC Plan Model Predict Unit <SOC.PlanModelPredictUnit@qfes.qld.gov.au>
Cc: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>; BROOK Scott <Scott.Brook@des.qld.gov.au>; KILLEN Tim <tim.killen@des.qld.gov.au>; Warren McKean <Warren.McKean@qfes.qld.gov.au>; Kent Barron <Kent.Barron@qfes.qld.gov.au>; QFESNCR.COM82 <QFESNCR.COM82@qfes.qld.gov.au>; Richard Onn <Richard.Onn@qfes.qld.gov.au>
Subject: BOM: Spot Fire Weather Forecast 2 - Kingfisher Bay

IDQ20101
Australian Government Bureau of Meteorology Queensland

Incident Weather Forecast for Fraser Island Issued at 5:16 am EST on Sunday 29 November 2020.

Incident Type: Wildfire
Forecast Location: 6km northeast of Kingfisher Bay Resort
Latitude/Longitude: -25.35 153.06
Elevation (metres ASL): 30-50
Fuel Type: Forest

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RTI Act 2009

Website Form No: 002
Request No: 10
Fax Number: ##
Contact Ph: 0409 767 327,07 3635 1808
Contact Name: Greg Gowlet
Email: greg.gowlett@qfes.qld.gov.au

Significant wind changes during the forecast period, including uncertainties Winds north to northwesterly 10 to 15 km/h in the early morning, increasing to
15 to 20 km/hr from around 9 am. Winds will increase to 20 to 25 km/h in the afternoon. Generally north to northwesterly winds are expected over the Island until a southerly change moves north into the area on Wednesday night and Thursday morning.

Forecast thunderstorm potential, precipitation and cloud, including uncertainties Near zero chance of rainfall (<5%). Stable conditions with no thunderstorm activity expected throughout the forecast period. A few clouds with bases around 3000ft early this morning, clearing later in the day.

Spatial variation of conditions and other important information Curing and fuel load derived from satellite. Drought factor interpolated from nearby locations.
Some smoke accumulation possible over the fire ground overnight and early in the morning with a weak inversion in the low levels of the atmosphere. Smoke should be more dispersed in the afternoon with the inversion rising to between 3000ft and 5000ft. Depending on the size and intensity of the fire, smoke has the potential to spread towards Gympie and parts of the Sunshine Coast.

30 HOUR FORECAST COMMENCING 0700 HOURS SUNDAY 29 NOVEMBER 2020 Drought factor: 10

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h) Dir	Speed	Gust	1000m AGL Wind(km/h) Dir	Speed	FDI	Mixing height (m)AMSL	cHaines	TAL
0700	24	17	65	N	10	20	N	20	4	1200	6	0
0800	26	17	58	N	10	20	N	20	5	1300	5	0
0900	27	17	54	N	15	20	N	15	7	1400	4	0
1000	28	17	51	N	15	20	N	15	8	1600	3	0
1100	29	17	48	NW	15	25	N	15	9	1600	4	0
1200	29	17	48	NW	20	30	N	15	10	1600	5	0
1300	30	17	46	NW	20	30	N	15	11	1500	5	0
1400	30	17	46	N	20	30	N	15	11	1500	6	0
1500	29	17	48	N	20	35	N	15	10	1300	6	0
1600	28	17	51	N	20	35	N	15	9	1200	7	0
1700	27	18	58	N	25	35	N	15	7	1100	6	0
1800	25	18	65	N	25	35	N	15	5	900	6	0
1900	24	19	74	N	25	35	N	15	4	700	6	0
2200	22	19	83	N	25	40	NW	5	3	600	5	0
0100	21	19	88	N	25	40	NW	15	2	300	7	0
0400	20	20	100	NW	25	40	NW	15	1	100	7	0
0700	25	20	74	NW	25	40	NW	15	4	800	8	0
1000	29	19	55	NW	15	25	W	10	7	1200	7	0
1300	31	19	49	NW	15	30	SW	5	9	1200	7	0

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point, cHaines - Continuous Haines (0-13), TAL â€“ Thunderstorm Activity Level (0-3).
Note: Mixing height is above Mean Sea Level (MSL), to get AGL height subtract incident elevation from value given.

OUTLOOK for Monday
Sunny. Winds north to northwesterly 20 to 25 km/h.

Fuel type: Forest FDI type: Forest Drought factor: 10

Local Time	Temp (C)	RH (%)	10m Wind (km/h) Dir	Speed	Gust	1000m AGL Wind(km/h) Dir	Speed	FDI	Mixing height (m)AMSL	Max cHaines	Max TAL	Daily Rain mm	Prob > 5 (%)
Max 12:00	30	52	NW	20	30	W	5	9	1300	8	0	0	
Min 00:00	22	83	N	25	40	NW	15	3	500				

OUTLOOK for Tuesday
Mostly sunny. Winds north to northwesterly 20 to 30 km/h.

Fuel type: Forest FDI type: Forest Drought factor: 10

Local Time	Temp (C)	RH (%)	10m Wind (km/h) Dir	Speed	Gust	1000m AGL Wind(km/h) Dir	Speed	FDI	Mixing height (m)AMSL	Max cHaines	Max TAL	Daily Rain mm	Prob > 5 (%)

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Time	Temp (C)	RH (%)	10m Wind (km/h) Dir	Speed	Gust	1000m AGL Wind (km/h) Dir	Speed	FDI height (m)AMSL	Mixing height	Max cHaines	Max TAL	Daily Rain	Prob > 5 mm (%)
Max 13:00	29	58	N	20	30	N	10	7	1200	9		0	0
Min 00:00	21	94	N	10	20	NE	15	1	200				

OUTLOOK for Wednesday
Sunny. Winds north to northwesterly 20 to 30 km/h turning northeasterly 15 to 20 km/h later.

Fuel type: Forest FDI type: Forest Drought factor: 10

Time	Temp (C)	RH (%)	10m Wind (km/h) Dir	Speed	Gust	1000m AGL Wind (km/h) Dir	Speed	FDI height (m)AMSL	Mixing height	Max cHaines	Max TAL	Daily Rain	Prob > 5 mm (%)
Max 12:00	31	52	N	20	35	W	5	9	1300	7		0	0
Min 00:00	21	94	N	15	25	N	5	1	100				

OUTLOOK for Thursday

Fuel type: Forest FDI type: Forest Drought factor: 10

Time	Temp (C)	RH (%)	10m Wind (km/h) Dir	Speed	Gust	1000m AGL Wind (km/h) Dir	Speed	FDI height (m)AMSL	Mixing height	Max cHaines	Max TAL	Daily Rain	Prob > 5 mm (%)
Max 14:00	31	55	E	20	30	SE	15	8	1700	3		0	5
Min 00:00	22	94	NE	10	15	SE	20	1	500				

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the QFES Meteorologist at the State Disaster Coordination Centre on 07 3635 2364. Weather observations can be submitted via the online Incident Weather Forecast request system or sent via email to QFESMet@bom.gov.au to assist with forecast verification.

- For wildfires and Hazmats: Contact the Meteorologist at the Queensland Forecasting Centre on 07 3239 8602. Weather observations can be submitted via the online Incident Weather Forecast request system or sent via email to QLDSpotFire@bom.gov.au to assist in forecast verification.

2 metre wind (km/h)* 5 10 15 20 25 30 40 50 60
10 metre wind (km/h)** 8 17 25 33 42 50 67 83 100
Beaufort Number 2 3 4 5 6 7 8 9 10
*wind measured in cleared area
**use 10m wind for calculation of FFDI and GFDI*

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All reasonable precautions will be taken to respect the privacy of individuals in accordance with the Information Privacy Act 2009 (Qld).

Australian Government
Bureau of Meteorology

IDQ20101
Australian Government Bureau of Meteorology
Queensland

Incident Weather Forecast for Fraser Island

Issued at 5:16 am EST on Sunday 29 November 2020.

Incident Type: Wildfire	Website Form No: 002
Forecast Location: 6km northeast of Kingfisher Bay Resort	Request No: 10
Latitude/Longitude: -25.35 153.06	Fax Number: ##
Elevation (metres ASL): 30-50	Contact Ph: Personal information ,07 3635 1808
Fuel Type: Forest	Contact Name: Greg Gowlet
	Email: greg.gowlett@qfes.qld.gov.au

Significant wind changes during the forecast period, including uncertainties

Winds north to northwesterly 10 to 15 km/h in the early morning, increasing to 15 to 20 km/hr from around 9 am. Winds will increase to 20 to 25 km/h in the afternoon. Generally north to northwesterly winds are expected over the Island until a southerly change moves north into the area on Wednesday night and Thursday morning.

Forecast thunderstorm potential, precipitation and cloud, including uncertainties

Near zero chance of rainfall (<5%). Stable conditions with no thunderstorm activity expected throughout the forecast period. A few clouds with bases around 3000ft early this morning, clearing later in the day.

Spatial variation of conditions and other important information

Curing and fuel load derived from satellite. Drought factor interpolated from nearby locations.

Some smoke accumulation possible over the fire ground overnight and early in the morning with a weak inversion in the low levels of the atmosphere. Smoke should be more dispersed in the afternoon with the inversion rising to between 3000ft and 5000ft. Depending on the size and intensity of the fire, smoke has the potential to spread towards Gympie and parts of the Sunshine Coast.

30 Hour Forecast commencing 0700 hours Sunday 29 November 2020

Drought factor: 10

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)			1000m AGL Wind (km/h)		FDI	Mix Height (m) AMSL	cHaines	TAL
				Dir	Speed	Gust	Dir	Speed				
0700	24	17	65	N	10	20	N	20	4	1200	6	0
0800	26	17	58	N	10	20	N	20	5	1300	5	0
0900	27	17	54	N	15	20	N	15	7	1400	4	0
1000	28	17	51	N	15	20	N	15	8	1600	3	0
1100	29	17	48	NW	15	25	N	15	9	1600	4	0
1200	29	17	48	NW	20	30	N	15	10	1600	5	0
1300	30	17	46	NW	20	30	N	15	11	1500	5	0
1400	30	17	46	N	20	30	N	15	11	1500	6	0
1500	29	17	48	N	20	35	N	15	10	1300	6	0
1600	28	17	51	N	20	35	N	15	9	1200	7	0
1700	27	18	58	N	25	35	N	15	7	1100	6	0
1800	25	18	65	N	25	35	N	15	5	900	6	0

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30 Hour Forecast commencing 0700 hours Sunday 29 November 2020												
Drought factor: 10												
Local Time	**Temp (C)**	**Dewpt (C)**	**RH (%)**	**10m Wind (km/h)**			**1000m AGL Wind (km/h)**		**FDI**	**Mix Height (m) AMSL**	**cHaines**	**TAL**
				Dir	**Speed**	**Gust**	**Dir**	**Speed**				
1900	24	19	74	N	25	35	N	15	4	700	6	0
2200	22	19	83	N	25	40	NW	5	3	600	5	0
0100	21	19	88	N	25	40	NW	15	2	300	7	0
0400	20	20	100	NW	25	40	NW	15	1	100	7	0
0700	25	20	74	NW	25	40	NW	15	4	800	8	0
1000	29	19	55	NW	15	25	W	10	7	1200	7	0
1300	31	19	49	NW	15	30	SW	5	9	1200	7	0

AGL - Above Ground Level, RH - Relative Humidity, Dir - Direction, Dewpt - Dew Point, cHaines - Continuous Haines (0-13), TAL – Thunderstorm Activity Level (0-3). Note: Mixing height is above Mean Sea Level (MSL), to get AGL height subtract incident elevation from value given.

Outlook for Monday

Sunny. Winds north to northwesterly 20 to 25 km/h.

Fuel type: Forest **FDI type:** Forest **Drought factor:** 10													
	Local Time	**Temp (C)**	**RH (%)**	**10m Wind (km/h)**			**1000m AGL Wind (km/h)**		**FDI**	**Mix Height (m) AMSL**	**Max cHaines**	**Max TAL**	**Daily Prob Rain > 5 mm (%)**
				Dir	**Speed**	**Gust**	**Dir**	**Speed**					
Max	12:00	30	52	NW	20	30	W	5	9	1300	8	0	0
Min	00:00	22	83	N	25	40	NW	15	3	500			

Outlook for Tuesday

Mostly sunny. Winds north to northwesterly 20 to 30 km/h.

Fuel type: Forest **FDI type:** Forest **Drought factor:** 10													
	Local Time	**Temp (C)**	**RH (%)**	**10m Wind (km/h)**			**1000m AGL Wind (km/h)**		**FDI**	**Mix Height (m) AMSL**	**Max cHaines**	**Max TAL**	**Daily Prob Rain > 5 mm (%)**
				Dir	**Speed**	**Gust**	**Dir**	**Speed**					
Max	13:00	29	58	N	20	30	N	10	7	1200	9	0	0
Min	00:00	21	94	N	10	20	NE	15	1	200			

Outlook for Wednesday

Sunny. Winds north to northwesterly 20 to 30 km/h turning northeasterly 15 to 20 km/h later.

Fuel type: Forest **FDI type:** Forest **Drought factor:** 10													
	Local Time	**Temp (C)**	**RH (%)**	**10m Wind (km/h)**			**1000m AGL Wind (km/h)**		**FDI**	**Mix Height (m) AMSL**	**Max cHaines**	**Max TAL**	**Daily Prob Rain > 5 mm (%)**
				Dir	**Speed**	**Gust**	**Dir**	**Speed**					
Max	12:00	31	52	N	20	35	W	5	9	1300	7	0	0
Min	00:00	21	94	N	15	25	N	5	1	100			

Outlook for Thursday

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Fuel type: Forest **FDI type:** Forest **Drought factor:** 10													
	Local Time	**Temp (C)**	**RH (%)**	**10m Wind (km/h)**			**1000m AGL Wind (km/h)**		**FDI**	**Mix Height (m) AMSL**	**Max cHaines**	**Max TAL**	**Daily Prob Rain > 5 mm (%)**
				Dir	**Speed**	**Gust**	**Dir**	**Speed**					
Max	14:00	31	55	E	20	30	SE	15	8	1700	3	0	5
Min	00:00	22	94	NE	10	15	SE	20	1	500			

* For fire fighter and public safety make regular on-site weather observations.
* For planned burns: Contact the QFES Meteorologist at the State Disaster Coordination Centre on 07 3635 2364. Weather observations can be submitted via the online Incident Weather Forecast request system or sent via email to QFESMet@bom.gov.au to assist with forecast verification.
* For wildfires and Hazmats: Contact the Meteorologist at the Queensland Forecasting Centre on 07 3239 8602. Weather observations can be submitted via the online Incident Weather Forecast request system or sent via email to QLDSpotFire@bom.gov.au to assist in forecast verification.

2 metre wind (km/h) *wind measured in cleared area	5	10	15	20	25	30	40	50	60
10 metre wind (km/h) *use 10m wind for calculation of FFDI and GFDI*	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

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Date : 4/12/2020 9:04:59 AM
From : "CAMBOURN Neil"
To : "KLAASSEN Ben"
Subject : FW: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident
Attachment :
image001.png;image013.jpg;image016.jpg;image002.png;image004.png;image005.png;image007.png;image009.png;image010.png;image012.png;image018.png;

Fyi this was requested from us for the QFES record.

Neil Cambourn
Executive Director
Queensland Parks and Wildlife Service
Department of Environment and Science
P 07 3199 7518 **M** Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: SPINKS Troy <Troy.Spinks@des.qld.gov.au>
Sent: Friday, 4 December 2020 8:21 AM
To: CAMBOURN Neil
Cc: HARRIS Leigh
Subject: RE: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Thanks for sending through Neil, I have passed on to the State Ops Commander as discussed

Regards,

Troy Spinks
Director, Technical Services
Queensland Parks and Wildlife Service and Partnerships | Park Services Branch
Department of Environment and Science
M Personal info
Gold Coast Area Office, Kabool Rd, WEST BURLEIGH QLD 4219
PO Box 3454, Burleigh Town LPO, BURLEIGH HEADS QLD 4220

From: CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>
Sent: Thursday, 3 December 2020 3:43 PM
To: SPINKS Troy
Cc: HARRIS Leigh
Subject: FW: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

As discussed Troy.
I called Nathan on the phone as IC as soon as we received this and he was documenting the transition to James Haig on the log immediately after we spoke.
Ben K went out to Kedron that afternoon to stand up with the Commissioner for a media conference to discuss the transition (just after 3pm). The clip for that media conference is attached in the email above.

Regards Neil

Neil Cambourn
Executive Director
Queensland Parks and Wildlife Service
Department of Environment and Science
P 07 3199 7518 **M** Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: CAMBOURN Neil
Sent: Friday, 27 November 2020 12:21 PM
To: HARRIS Leigh; SPINKS Troy; MCLAUGHLIN Marty
Subject: FW: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

The formal advice for records gents.

Many thanks, Neil

Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7518 **M** Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: KLAASSEN Ben <Ben.Klaassen@des.qld.gov.au>
Sent: Friday, 27 November 2020 10:43 AM

Published on DES Disclosure Log RTI Act 2009

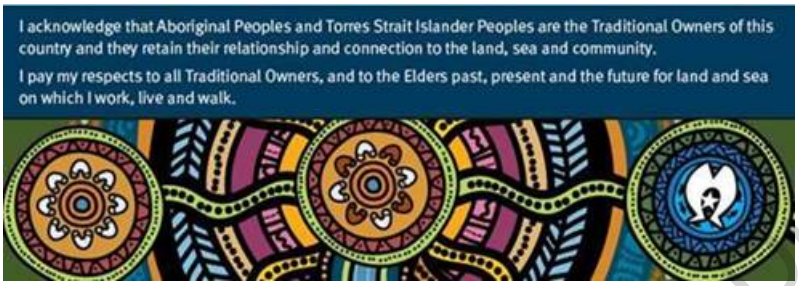
To: CAMBOURN Neil
Cc: MERRICK Jamie; HEAD Damien
Subject: RE: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Hi Neil

As discussed Mike Wassing has confirmed that QFES will take Incident Control of the fire with James Haig to step in. We have been asked to remain as Deputy IC and I agreed Scott would be available for that.

Thanks
Ben

Ben Klaassen
Deputy Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7538 | **M** Personal Information | **E** ben.klaassen@des.qld.gov.au
Level 5, 400 George St, Brisbane QLD 4000
PO Box 15187, CITY EAST QLD 4002



From: KLAASSEN Ben
Sent: Thursday, 26 November 2020 6:35 PM
To: CAMBOURN Neil
Cc: MERRICK Jamie; HEAD Damien
Subject: RE: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Hi

I have had a call back from Mike Wassing.

His advice from QFES is that no decision has been made the incident is Level 3 from anyone in the appropriate chain of command. It may be a view at the local level but not signed off at the correct authorisation.

He was happy for it to be discussed at tomorrow's briefing so we get clarity.

As such QPWS remains IC until tomorrow.

Mike also advised he will be doing media tomorrow for Statewide fire update which will include K'Gari fire.

Regards
Ben

Ben Klaassen
Deputy Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7538 | **M** Personal Information | **E** ben.klaassen@des.qld.gov.au
Level 5, 400 George St, Brisbane QLD 4000
PO Box 15187, CITY EAST QLD 4002

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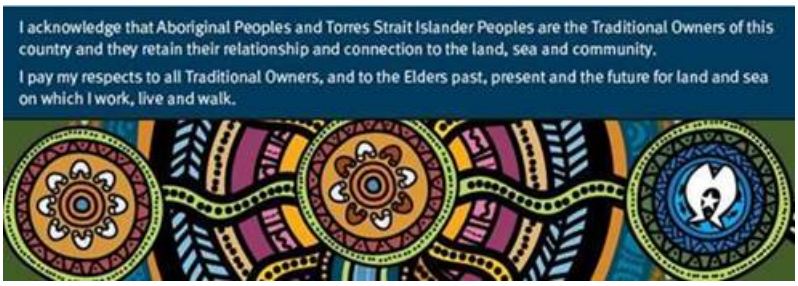

From: CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>
Sent: Thursday, 26 November 2020 3:50 PM
To: KLAASSEN Ben
Subject: FW: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Hi Ben,
Please see below for consideration/ discussion.

Neil

Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7518 M Personal info
Level 5, 400 George Street, Brisbane QLD 4000
Queensland Government

From: SPINKS Troy <Troy.Spinks@des.qld.gov.au>
Sent: Thursday, 26 November 2020 3:44 PM
To: CAMBOURN Neil; HEAD Damien
Cc: HARRIS Leigh
Subject: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Neil and Damien,

RECOMMENDATION: The Assistant Director General (or above) formally recommend transfer of control of the Duling Fire on K'gari (Fraser Island) from QPWS to QFES, as it has now been **identified by QFES as a Level 3 incident**

BACKGROUND:

- IC Nathan Connor met with QFES late this morning, and QFES advised that they consider the incident to be a Level 3 but as a landscape fire predominantly on QPWS estate, that QPWS maintains control.
- QFES have provided extra support to the IMT, including a deputy IC to ensure coordination between Departments. Nathan is currently engaged in trying to resolve the issues associated with the expanding IMT, including their operating location.
- Under the Qld Bushfire Plan, QFES is responsible for Level 3 incidents:

  " A level 2 incident will also be managed by QPWS unless human life or property is threatened, or the bushfire is likely to progress beyond QPWS managed land, in which case the responsibility for the bushfire will be transferred to QFES (as will a level 3 incident). For level 2 and 3 incidents, QPWS will continue to coordinate with QFES to maintain an effective response."

- The Qld Bushfire Plan doesn't describe '*landscape*' fire in roles and responsibilities - it describes fire level and the roles and responsibilities of organisations at the respective level of incident.
- As the matter of hand over to QFES has not progressed at the incident and Regional level it is appropriate to escalate concern that QPWS is still controlling a Level 3 incident beyond the trained capability of QPWS staff and inconsistent with the Qld Bushfire Plan.
- QFES Regional staff have been advised at the Assistant Commissioner level that the Duling Fire is to remain as QPWS control as it is still considered a landscape fire.
- Given this level of direction and engagement within QFES, it is recommended that we (QPWS) engage QFES at this level (Assistant Commissioner) to change the current paradigm of incident control.

For urgent consideration and progression

Regards,

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Troy Spinks
Director, Technical Services
Queensland Parks and Wildlife Service and Partnerships | Park Services Branch
Department of Environment and Science
M Personal info
Gold Coast Area Office, Kabool Rd, WEST BURLEIGH QLD 4219
PO Box 3454, Burleigh Town LPO, BURLEIGH HEADS QLD 4220

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Date : 3/12/2020 3:43:21 PM
From : "CAMBOURN Neil"
To : "SPINKS Troy"
Cc : "HARRIS Leigh"
Subject : FW: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident
Attachment : live stream - its on now;image001.png;image005.jpg;image007.jpg;image002.png;image004.png;image009.png;image010.png;image012.png;image015.png;

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Regards Neil

Neil Cambourn
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Queensland Parks and Wildlife Service
Department of Environment and Science
P 07 3199 7518 **M** Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: CAMBOURN Neil
Sent: Friday, 27 November 2020 12:21 PM
To: HARRIS Leigh; SPINKS Troy; MCLAUGHLIN Marty
Subject: FW: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

The formal advice for records gents.

Many thanks, Neil

Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7518 **M** Personal inf
Level 5, 400 George Street, Brisbane QLD 4000

From: KLAASSEN Ben <Ben.Klaassen@des.qld.gov.au>
Sent: Friday, 27 November 2020 10:43 AM
To: CAMBOURN Neil
Cc: MERRICK Jamie; HEAD Damien
Subject: RE: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Hi Neil

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Thanks
Ben

Ben Klaassen
Deputy Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7538 | **M** Personal in | **E** ben.klaassen@des.qld.gov.au
Level 5, 400 George St, Brisbane QLD 4000
PO Box 15187, CITY EAST QLD 4002

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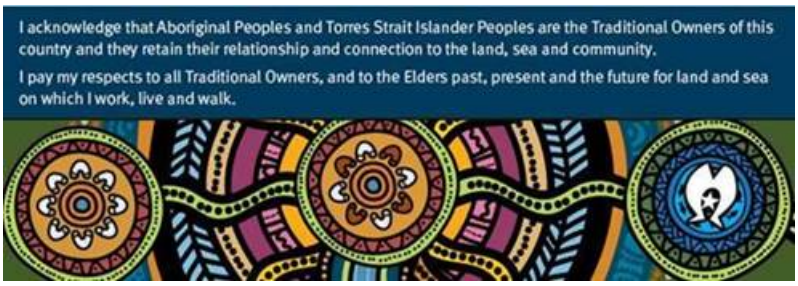

From: KLAASSEN Ben
Sent: Thursday, 26 November 2020 6:35 PM
To: CAMBOURN Neil
Cc: MERRICK Jamie; HEAD Damien
Subject: RE: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Hi

I have had a call back from Mike Wassing.

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Ben Klaassen
Deputy Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7538 | **M** Personal Information | **E** ben.klaassen@des.qld.gov.au
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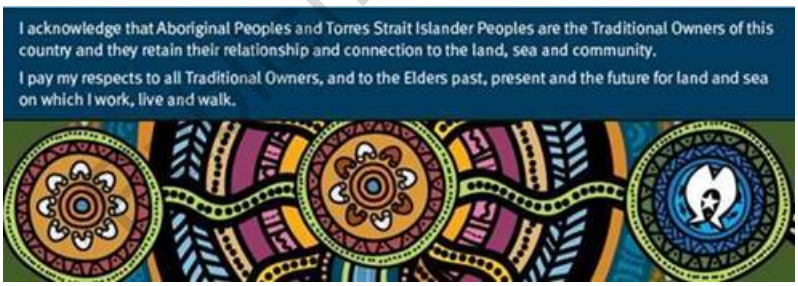

From: CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>
Sent: Thursday, 26 November 2020 3:50 PM
To: KLAASSEN Ben
Subject: FW: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Hi Ben,
Please see below for consideration/ discussion.

Neil

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Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7518 **M** Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: SPINKS Troy <Troy.Spinks@des.qld.gov.au>
Sent: Thursday, 26 November 2020 3:44 PM
To: CAMBOURN Neil; HEAD Damien
Cc: HARRIS Leigh
Subject: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Neil and Damien,

RECOMMENDATION: The Assistant Director General (or above) formally recommend transfer of control of the Duling Fire on K'gari (Fraser Island) from QPWS to QFES, as it has now been **identified by QFES as a Level 3 incident**

BACKGROUND:

- IC Nathan Connor met with QFES late this morning, and QFES advised that they consider the incident to be a Level 3 but as a landscape fire predominantly on QPWS estate, that QPWS maintains control.
- QFES have provided extra support to the IMT, including a deputy IC to ensure coordination between Departments. Nathan is currently engaged in trying to resolve the issues associated with the expanding IMT, including their operating location.
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- The Qld Bushfire Plan doesn't describe '*landscape*' fire in roles and responsibilities - it describes fire level and the roles and responsibilities of organisations at the respective level of incident.
- As the matter of hand over to QFES has not progressed at the incident and Regional level it is appropriate to escalate concern that QPWS is still controlling a Level 3 incident beyond the trained capability of QPWS staff and inconsistent with the Qld Bushfire Plan.
- QFES Regional staff have been advised at the Assistant Commissioner level that the Duling Fire is to remain as QPWS control as it is still considered a landscape fire.
- Given this level of direction and engagement within QFES, it is recommended that we (QPWS) engage QFES at this level (Assistant Commissioner) to change the current paradigm of incident control.

For urgent consideration and progression

Regards,

Troy Spinks
Director, Technical Services
Queensland Parks and Wildlife Service and Partnerships | Park Services Branch
Department of Environment and Science
M Personal info
Gold Coast Area Office, Kabool Rd, WEST BURLEIGH QLD 4219
PO Box 3454, Burleigh Town LPO, BURLEIGH HEADS QLD 4220

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Date : 27/11/2020 2:15:06 PM
From : "TRACEY Ben"
To : "CAMBOURN Neil" , "HEAD Damien" , "CUBIS Mick" , "MCARTHUR Donna" , "LOSADA Vanessa" , "HARRIS Leigh"
Subject : live stream - its on now
Attachment : image001.png;image002.png;image003.png;image004.png;

https://livestream.com/qfes/events/8325070

Queensland Government

Ben Tracey
Principal Media Officer
Media Unit I Corporate Services
Department of Environment and Science

M Personal ir
media@des.qld.gov.au
400 George St, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001
Chat with me on Teams!
Visit the Environment Media Centre
Visit us on Twitter

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Date : 26/11/2020 5:43:36 PM
From : "KLAASSEN Ben"
To : "MERRICK Jamie"
Subject : FW: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident
Attachment : image001.png;image003.png;image005.png;

Hi Jamie

I have spoken with Mike Wassing re the email below and he is getting advice from the QFES side. I indicated to Mike that if QFES has now assessed it as Level 3 then we do not have the accredited IC level so a decision will need to be made.

He may come back to me tonight or first thing tomorrow.

Happy to discuss.

Regards
Ben

From: CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>
Sent: Thursday, 26 November 2020 3:50 PM
To: KLAASSEN Ben
Subject: FW: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Hi Ben,
Please see below for consideration/ discussion.

Neil

Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7518 M Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: SPINKS Troy <Troy.Spinks@des.qld.gov.au>
Sent: Thursday, 26 November 2020 3:44 PM
To: CAMBOURN Neil; HEAD Damien
Cc: HARRIS Leigh
Subject: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Neil and Damien,

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BACKGROUND:

- IC Nathan Connor met with QFES late this morning, and QFES advised that they consider the incident to be a Level 3 but as a landscape fire predominantly on QPWS estate, that QPWS maintains control.
- QFES have provided extra support to the IMT, including a deputy IC to ensure coordination between Departments. Nathan is currently engaged in trying to resolve the issues associated with the expanding IMT, including their operating location.
- Under the Qld Bushfire Plan, QFES is responsible for Level 3 incidents:

  " A level 2 incident will also be managed by QPWS unless human life or property is threatened, or the bushfire is likely to progress beyond QPWS managed land, in which case the responsibility for the bushfire will be transferred to QFES (as will a level 3 incident). For level 2 and 3 incidents, QPWS will continue to coordinate with QFES to maintain an effective response."

- The Qld Bushfire Plan doesn't describe '*landscape*' fire in roles and responsibilities - it describes fire level and the roles and responsibilities of organisations at the respective level of incident.
- As the matter of hand over to QFES has not progressed at the incident and Regional level it is appropriate to escalate concern that QPWS is still controlling a Level 3 incident beyond the trained capability of QPWS staff and inconsistent with the Qld Bushfire Plan.
- QFES Regional staff have been advised at the Assistant Commissioner level that the Duling Fire is to remain as QPWS control as it is still considered a landscape fire.
- Given this level of direction and engagement within QFES, it is recommended that we (QPWS) engage QFES at this level (Assistant Commissioner) to change the current paradigm of incident control.

Published on DES Disclosure Log RTI Act 2009

For urgent consideration and progression

Regards,

Troy Spinks
Director, Technical Services
Queensland Parks and Wildlife Service and Partnerships | Park Services Branch
Department of Environment and Science
M Personal inf
Gold Coast Area Office, Kabool Rd, WEST BURLEIGH QLD 4219
PO Box 3454, Burleigh Town LPO, BURLEIGH HEADS QLD 4220

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RTI Act 2009

Date : 4/12/2020 9:04:59 AM
From : "CAMBOURN Neil"
To : "KLAASSEN Ben"
Subject : FW: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident
Attachment :
image001.png;image013.jpg;image016.jpg;image002.png;image004.png;image005.png;image007.png;image009.png;image010.png;image012.png;image018.png;

Fyi this was requested from us for the QFES record.

Neil Cambourn
Executive Director
Queensland Parks and Wildlife Service
Department of Environment and Science
P 07 3199 7518 **M** Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: SPINKS Troy <Troy.Spinks@des.qld.gov.au>
Sent: Friday, 4 December 2020 8:21 AM
To: CAMBOURN Neil
Cc: HARRIS Leigh
Subject: RE: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Thanks for sending through Neil, I have passed on to the State Ops Commander as discussed

Regards,

Troy Spinks
Director, Technical Services
Queensland Parks and Wildlife Service and Partnerships | Park Services Branch
Department of Environment and Science
M Personal info
Gold Coast Area Office, Kabool Rd, WEST BURLEIGH QLD 4219
PO Box 3454, Burleigh Town LPO, BURLEIGH HEADS QLD 4220

From: CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>
Sent: Thursday, 3 December 2020 3:43 PM
To: SPINKS Troy
Cc: HARRIS Leigh
Subject: FW: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

As discussed Troy.
I called Nathan on the phone as IC as soon as we received this and he was documenting the transition to James Haig on the log immediately after we spoke.
Ben K went out to Kedron that afternoon to stand up with the Commissioner for a media conference to discuss the transition (just after 3pm). The clip for that media conference is attached in the email above.

Regards Neil

Neil Cambourn
Executive Director
Queensland Parks and Wildlife Service
Department of Environment and Science
P 07 3199 7518 **M** Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: CAMBOURN Neil
Sent: Friday, 27 November 2020 12:21 PM
To: HARRIS Leigh; SPINKS Troy; MCLAUGHLIN Marty
Subject: FW: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

The formal advice for records gents.

Many thanks, Neil

Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7518 **M** Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: KLAASSEN Ben <Ben.Klaassen@des.qld.gov.au>
Sent: Friday, 27 November 2020 10:43 AM

Published on DES Disclosure Log RTI Act 2009

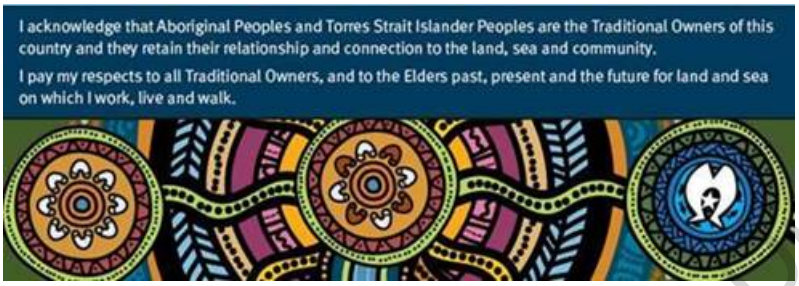
To: CAMBOURN Neil
Cc: MERRICK Jamie; HEAD Damien
Subject: RE: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Hi Neil

As discussed Mike Wassing has confirmed that QFES will take Incident Control of the fire with James Haig to step in. We have been asked to remain as Deputy IC and I agreed Scott would be available for that.

Thanks
Ben

Ben Klaassen
Deputy Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7538 | **M** Personal Info | **E** ben.klaassen@des.qld.gov.au
Level 5, 400 George St, Brisbane QLD 4000
PO Box 15187, CITY EAST QLD 4002



From: KLAASSEN Ben
Sent: Thursday, 26 November 2020 6:35 PM
To: CAMBOURN Neil
Cc: MERRICK Jamie; HEAD Damien
Subject: RE: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Hi

I have had a call back from Mike Wassing.

His advice from QFES is that no decision has been made the incident is Level 3 from anyone in the appropriate chain of command. It may be a view at the local level but not signed off at the correct authorisation.

He was happy for it to be discussed at tomorrow's briefing so we get clarity.

As such QPWS remains IC until tomorrow.

Mike also advised he will be doing media tomorrow for Statewide fire update which will include K'Gari fire.

Regards
Ben

Ben Klaassen
Deputy Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7538 | **M** Personal Info | **E** ben.klaassen@des.qld.gov.au
Level 5, 400 George St, Brisbane QLD 4000
PO Box 15187, CITY EAST QLD 4002

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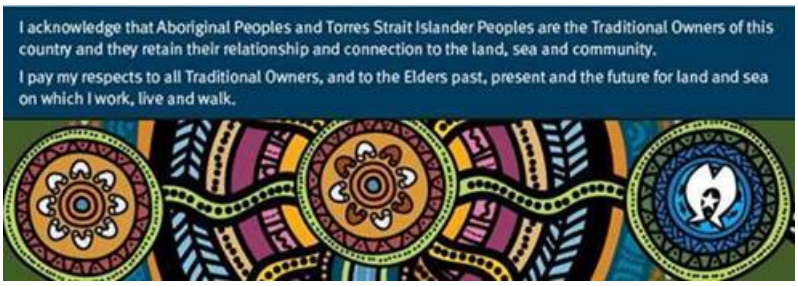

From: CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>
Sent: Thursday, 26 November 2020 3:50 PM
To: KLAASSEN Ben
Subject: FW: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Hi Ben,
Please see below for consideration/ discussion.

Neil

Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7518 **M** Personal Info
Level 5, 400 George Street, Brisbane QLD 4000

From: SPINKS Troy <Troy.Spinks@des.qld.gov.au>
Sent: Thursday, 26 November 2020 3:44 PM
To: CAMBOURN Neil; HEAD Damien
Cc: HARRIS Leigh
Subject: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Neil and Damien,

RECOMMENDATION: The Assistant Director General (or above) formally recommend transfer of control of the Duling Fire on K'gari (Fraser Island) from QPWS to QFES, as it has now been **identified by QFES as a Level 3 incident**

BACKGROUND:

- IC Nathan Connor met with QFES late this morning, and QFES advised that they consider the incident to be a Level 3 but as a landscape fire predominantly on QPWS estate, that QPWS maintains control.
- QFES have provided extra support to the IMT, including a deputy IC to ensure coordination between Departments. Nathan is currently engaged in trying to resolve the issues associated with the expanding IMT, including their operating location.
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- QFES Regional staff have been advised at the Assistant Commissioner level that the Duling Fire is to remain as QPWS control as it is still considered a landscape fire.
- Given this level of direction and engagement within QFES, it is recommended that we (QPWS) engage QFES at this level (Assistant Commissioner) to change the current paradigm of incident control.

For urgent consideration and progression

Regards,

Published on DES Disclosure Log RTI Act 2009

Troy Spinks
Director, Technical Services
Queensland Parks and Wildlife Service and Partnerships | Park Services Branch
Department of Environment and Science
M Personal inf
Gold Coast Area Office, Kabool Rd, WEST BURLEIGH QLD 4219
PO Box 3454, Burleigh Town LPO, BURLEIGH HEADS QLD 4220

Published on DES Disclosure Log
RTI Act 2009

Date : 25/11/2020 6:30:22 PM
From : "CAMBOURN Neil"
To : "KLAASSEN Ben"
Subject : Fwd: Command and Control
Attachment : image003.jpg;image001.jpg;image002.jpg;

Fyi

Regards Neil Cambourn

Begin forwarded message:

From: CUBIS Mick <Mick.Cubis@des.qld.gov.au>
Date: 25 November 2020 at 6:26:45 pm AEST
To: HEAD Damien <Damien.Head@des.qld.gov.au>, CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>
Subject: Fwd: Command and Control

FYI

Mick Cubis
Regional Director
Coastal and Islands | QPWS&Partnerships
Department of Environment and Science
P (07) 54471137 | Mobile Personal info

Begin forwarded message:

From: CONNOR Nathan <Nathan.Connor@des.qld.gov.au>
Date: 25 November 2020 at 5:48:01 pm AEST
To: SPINKS Troy <Troy.Spinks@des.qld.gov.au>, MCLAUGHLIN Marty <Marty.McLaughlin@des.qld.gov.au>, CUBIS Mick <Mick.Cubis@des.qld.gov.au>, DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>
Subject: FW: Command and Control

FYI

From: Brittany Hewson <brittany.hewson@qfes.qld.gov.au>
Sent: Wednesday, 25 November 2020 5:46 PM
To: CONNOR Nathan; HARGREAVES Jack; ATKINSON John
Subject: FW: Command and Control

FYI - received by QFES NCR AC Gary McCormack.

Regards
Brittany Lea-Hewson on behalf of IC.
RLO Officer
Rainbow Beach ICC – K'gari - Fraser Island.
Queensland Fire and Emergency Services

M: Personal info

Subject: FW: Command and Control

Heads Up.

Peter

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RTI Act 2009

Gents,

The below will need to be clearly understood by all at the ROC, ICC and forward operations. I suggest it be formalised into the event documentation/plans etc. Also, a FRS Operations Officer will need to be embedded into the ICC should the need to action a QFES Division arise.

Command and Control

- *QPWS will maintain tactical command and coordination of the landscape fire with QFES (and other partners) in support*
- *Should community and/or critical infrastructure come under threat the event will be divided (e.g. Kingfisher Bay Resort Asset Protection Division) with QFES in command and control of the division.*
- *QFES Divisions when established will be commanded at the forward control level (QFES IC) with additional support coordinated through the QPWS ICC by the QFES Operations Officer and NCR ROC*
- *GWN communications capability is being deployed to facilitate cross agency communications (QFES-QPS-QAS) and Firecom connectivity*

Regards,

Gary McCormack
Assistant Commissioner, North Coast Region
Queensland Fire and Emergency Services

P: 07 4122 0302 **M**: Personal info
gary.mccormack@qfes.qld.gov.au
www.qfes.qld.gov.au

Respect | Integrity | Courage | Loyalty | Trust

This correspondence is for the named persons only. It may contain confidential or privileged information or both. No confidentiality or privilege is waived or lost by any mis transmission. If you receive this correspondence in error please delete it from your system immediately and notify the sender. You must not disclose, copy or relay on any part of this correspondence, if you are not the intended recipient. Any opinions expressed in this message are those of the individual sender except where the sender expressly, and with the authority, states them to be the opinions of the Queensland Government.
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Published on DES Disclosure Log
RTI Act 2009

Date : 5/12/2020 8:32:57 AM
From : "MERRICK Jamie"
To : "Hannah Jackson"
Cc : "KLAASSEN Ben" , "CAMBOURN Neil"
Subject : Fwd: Flash Brief from the Commissioner, Queensland Fire and Emergency Services, Fraser Island (K'Gari) fires 2020 - 05/12/20
Attachment : image001.jpg;Fraser Island - Drop Records as at 5 December 2020.pdf;QFES Flash Brief - 5 December 2020.pdf;QFES Flash Brief - 5 December 2020.docx;

Sent from my iPhone

Begin forwarded message:

From: Margot Gladstone <Margot.Gladstone@qfes.qld.gov.au>
Date: 5 December 2020 at 7:32:39 am AEST
To: Ellen McIntyre <Ellen.McIntyre@ministerial.qld.gov.au>, nick.barter@ministerial.qld.gov.au, daniel.carvosso@ministerial.qld.gov.au, shane.lowry@ministerial.qld.gov.au, phil.willmington@ministerial.qld.gov.au, rebecca.mcgarrity@premiers.qld.gov.au, david.stewart@premiers.qld.gov.au, Gollschewski.StephanW@police.qld.gov.au, MERRICK Jamie <Jamie.Merrick@des.qld.gov.au>, Kyla.Hayden@premiers.qld.gov.au
Cc: Greg Leach <Greg.Leach@qfes.qld.gov.au>, Michael Wassing <Michael.Wassing@qfes.qld.gov.au>, Adam Stevenson <Adam.Stevenson@qfes.qld.gov.au>, "Mark Roche (QFES)" <Mark.Roche@qfes.qld.gov.au>, Tim Whittaker <Tim.Whittaker@qfes.qld.gov.au>, QFES Commissioner Staff Officer <QFES.CommissionerStaffOfficer@qfes.qld.gov.au>, Jane Houston <Jane.Houston@qfes.qld.gov.au>, Andrew Sbrizzi <Andrew.Sbrizzi@qfes.qld.gov.au>, Caitlin Duncan <Caitlin.Duncan@qfes.qld.gov.au>, Sara Simmons <Sara.Simmons@qfes.qld.gov.au>, Simon Dobbie <Simon.Dobbie@qfes.qld.gov.au>
Subject: Flash Brief from the Commissioner, Queensland Fire and Emergency Services, Fraser Island (K'Gari) fires 2020 - 05/12/20

Good morning
Please find attached a Flash Brief, both word document and PDF (with attachment) from Queensland Fire and Emergency Services (QFES) on the Fraser Island (K'Gari) fires as at 7.45am, Saturday 5 December 2020.
This brief will be provided each morning in the short term.
If you have any queries, please contact Jane Houston, Chief of Staff, Commissioner's Office, QFES on Personal info
Cheers
Margot

Margot Gladstone
Executive Manager
Executive and Ministerial Services
Queensland Fire and Emergency Services
Phone: 07 3635 3789 | **Mob:** Personal in
Post: GPO Box 1425, Brisbane Qld 4001
Email: margot.gladstone@qfes.qld.gov.au
Mail Cluster 6.9
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All reasonable precautions will be taken to respect the privacy of individuals in accordance with the Information Privacy Act 2009 (Qld).

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RTI Act 2009

QFES Air Operations

Incident - Fraser Island

Date	Aircraft used	Total number of litres dropped (Combined)
28/11/2020 Saturday	Fire Bosses x 3	250,000 Litres
29/11/2020 Sunday	Fire Bosses x 3 Fixed Wing 802's x 2 Helitak x 1	225,000 Litres
30/11/2020 Monday	Fire Bosses x 3 Helitak x 2 Larger Air Tanker x 1	432,200 Litres
01/12/2020 Tuesday	Fire Bosses x 3 Fixed Wing 802's x 2 Helitak x 1	615,000 Litres
02/12/2020 Wednesday	Fire Bosses x 3 Fixed Wing 802's x 2 Helitak x 1	345,000 Litres
03/12/2020 Thursday	Fire Bosses x 5 Fixed Wing 802's x 5 Helitak x 2 Larger Air Tanker x 1	997,000 Litres
04/12/2020 Friday	Fire Bosses x 5 Fixed Wing 802's x 5 Helitak x 2 Larger Air Tanker x 1	1,050,000 Litres
Total dropped to date		3,914,200 Litres

Correct @ 1400 04/12/2020

Published on DES Disclosure Log RTI Act 2009

Subject: K'gari (Fraser Island) Fire Update as at 0700hrs Saturday 5 December 2020	
Requested by: Jane Houston, Chief of Staff to the Commissioner, Queensland Fire and Emergency Services	
To: Commissioner, Queensland Fire and Emergency Services	
Date: 5 December 2020	**MinCor #:** xxxx-xxxx **RecFind #:**

Published on DES Disclosure Log RTI Act 2009

1. Background

- The fire reportedly started on 14 October 2020 at an Orchid Beach campsite (Duling camp zone) towards the northern end of Fraser Island.
- The fire on the eastern side of the Island is burning in the vicinity of Dundonga Creek, east of Kingfisher Bay Resort and Village (KBRV), through to Cornwells Road in the south.
- The fire is burning in predominantly inaccessible terrain where approximately 82,500 hectares has burned; equating to approximately 50% of the Island's total area.
- QFES, Queensland Parks and Wildlife Service (QPWS) and Butchulla Aboriginal Corporation (BAC) personnel are working from the joint Incident Control Centre at Rainbow Beach; with the objective to contain and extinguish the fire, utilising a combination of QFES assets (RFS, FRS, SES) in addition to QPWS and the BAC to preserve life, protect property, culturally significant sites, historic structures and the natural flora and fauna.
- Significant QFES, QPWS and BAC resources from have responded to this fire, including water bombing aircraft reduce the fire's intensity and rate of spread whilst also considering all available opportunities to improve access for ground crews in an effort to contain the fire.
- QFES resources pre-deployed to Fraser Island are 42 personnel and 22 appliances.
- QPWS resources on Fraser Island are 25 personnel and 13 vehicles; and 1 QPWS Contracted Positrack with 2 personnel, 1 QPWS mulcher with 1 personnel, and 1 QPWS dozer with 1 personnel.

2. Issues

- There are multiple fire fronts, including one which is currently 2.0 kilometres east from Kingfisher Bay Resort and Village (KBRV). QFES actively attacked the fire with water bombing aircraft to reduce the fire's intensity and rate of spread whilst also looking at opportunities to improve access for ground crews in an effort to contain the fire.
- Aerial support has been instrumental in assisting ground crews in reducing the fire intensity and rate of spread, which has slowed significantly in the last 72 hours.
- The Large Aerial Tanker (LAT) has undertaken over 22 drops on this incident to date.
- On Friday 4 December 1,050 million litres of water and suppressant was dropped on the fire.
- Machinery operations continue to upgrade Cornwells Road between Kingfisher and Leading Hill. Separate machines are upgrading the road East along Cornwells Road. The condition for that side of the road is suitable for backburning this evening.
- Crews have been building containment lines [Significant cultural information - Butchulla people - Butchu] A 30 metre area cleared as well as mineral earth break to walking tracks.

- Predictive analysis is being conducted for a variety of plausible scenarios for this fire front. This modelling will be continually reviewed and updated with the latest weather forecasts and fire spread observations to inform decision making.
- Aircraft taskings for continued fire suppression are being prepared for approval for early operations on Saturday morning. There are 17 aircraft attached to the K'gari (Fraser Island) Fire. This includes:
  - 5 Fire Boss (amphibious aircraft)
  - 5 Fixed Wing Bombers
  - 2 Helitak Bombers
  - 2 Air Attack platforms
  - 1 Air Observation platform
  - 1 Large Air tanker
  - 1 LAT Lead plane
- There are an additional 16 aircraft on standby today, if needed.
- 'Valley of the Giants' – Significant cultural information - Butchulla people
  The fire continues to burn at a low intensity through the duff layer and is expected to emerge to the east soon. The fire will be monitored Significant cultural in will be targeted by water bombing aircraft to protect them where possible and as required.
- Rainbow Beach ICC will relocate to Maryborough ICC (located at QFES complex, Howard) today, Saturday 5 December 2020, operational hours from 0800hrs.
- Assistant Commissioner Gary McCormack, NCR, contacted Mr Tom Smith MP, Member for Bundaberg and Councillor George Seymour, Mayor of Fraser Coast Regional Council to provide an update regarding the fire.
- Assistant Commissioner Gary McCormack also contacted and left messages for Mr Bruce Sanders MP, Member for Maryborough and Mr Adrian Tantari MP, Member for Hervey Bay.

3. Remedial Action

Air Operations

- Air operations planning is continuous.
- The predicted weather conditions for Sunday and Monday may inhibit air operations being conducted on these days.
- Increased aerial waterbombing and suppression will be conducted over the coming days to reduce intensity and rate of spread prior to the deteriorating weather conditions.
- Concurrently, through the use of heavy plant, QFES is endeavouring to identify and construct containment and fall back positions for future use.
- Since Saturday 28 November 2020 and Friday 4 December 2020, a total of 3,914,200 litres of combined suppressants had been dropped; with 1,050,000 litres delivered on Friday 4 December 2020.

Bushfire Community Warnings

- Several Community Bushfire Warnings were issued throughout the day, with the below being current, as the time of this brief:
  - A 'Watch and Act' community warning was issued at 5.45pm Friday 4 December 2020 for Kingfisher Bay Resort and Village to prepare to leave, instructing that the situation could get worse quickly.

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- An ‘Advice’ community warning was issued at 10.20pm Friday 4 December 2020 for K’gari (Fraser Island) to stay informed, instructing to keep up to date and decide what actions to take if the situations changes.

4. Recommendation

- That you note the contents of this brief.

Brian Cox
STATE CO-ORDINATOR

5 / 12 / 2020

Greg Leach
COMMISSIONER

/ /
Noted

Attachment A: QFES Air Operations Air Drop Report

Published on DES Disclosure Log
RTI Act 2009

Subject: K'gari (Fraser Island) Fire Update as at 0700hrs Saturday 5 December 2020	
Requested by: Jane Houston, Chief of Staff to the Commissioner, Queensland Fire and Emergency Services	
To: Commissioner, Queensland Fire and Emergency Services	
Date: 5 December 2020	**MinCor #:** xxxx-xxxx **RecFind #:**

Published on DES Disclosure Log
RTI Act 2009

1. Background

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- Crews have been building containment lines [redacted] A 30 metre area cleared as well as mineral earth break to walking tracks.

Significant cultural information - Butchulla people

- Predictive analysis is being conducted for a variety of plausible scenarios for this fire front. This modelling will be continually reviewed and updated with the latest weather forecasts and fire spread observations to inform decision making.
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- An ‘Advice’ community warning was issued at 10.20pm Friday 4 December 2020 for K’gari (Fraser Island) to stay informed, instructing to keep up to date and decide what actions to take if the situations changes.

4. Recommendation

- That you note the contents of this brief.

Brian Cox
STATE CO-ORDINATOR

5 / 12 / 2020

Greg Leach
COMMISSIONER

/ /
Noted

Attachment A: QFES Air Operations Air Drop Report

Published on DES Disclosure Log
RTI Act 2009

Date : 27/11/2020 7:56:13 PM
From : "Michael Wassing"
To : "KLAASSEN Ben"
Subject : Fwd: Kgari Fraser Island Fire - Kingfisher Bay
Attachment : FI Sim.kmz;FI-Spread to 2000hrs281120.JPG;FI-Spread to 1100hrs291120.JPG;FI-Spread to 0100hrs301120.JPG;FI-Spread to 1500hrs301120.JPG;image001.png;image002.png;

Get Outlook for iOS

From: Greg Leach <Greg.Leach@qfes.qld.gov.au>
Sent: Friday, November 27, 2020 4:26:32 PM
To: Mark Ryan s73 Irrelevant information; Ellen McIntyre <Ellen.McIntyre@ministerial.qld.gov.au>
Cc: Michael Wassing <Michael.Wassing@qfes.qld.gov.au>; Mark Roche (QFES) <Mark.Roche@qfes.qld.gov.au>; Jane Houston <Jane.Houston@qfes.qld.gov.au>
Subject: Kgari Fraser Island Fire - Kingfisher Bay

Good Afternoon Minister,

As discussed, please see the attached series of images of simulated fire spread for the southern section of the fire on Fraser Island. The file names describe the time stamping for that image.

Timing of images are:
2000hrs 28/11/20 fire at Boon Boon Ck
1100hrs 29/11/20 fire breaches Boon Boon Ck
0100hrs 30/11/20 fire arrives parallel to Kingfisher Bay Resort
1500hrs 30/11/20 fire has passed by Kingfisher Bay Resort

One of the key points of interest will be the timing and position of the fire crossing Boon Boon Creek. Modelling suggests a fire crossing Boon Boon Creek, within 1 Km of the coast line, has a higher likelihood of fire encroaching on the Kingfisher Bay Resort.

This is being used for planning purposes and will be updated and amended each day as current weather and/or fire observations are received. Likely timing of concern will be Monday.

We will keep you updated over the weekend.

Please call or email if you want to discuss.

Regards,

Greg

Greg Leach
Commissioner
Queensland Fire and Emergency Services
GPO Box 1425, Brisbane 4001
greg.leach@qfes.qld.gov.au

Queensland Government

P 07 3635 3072 **M** Personal info

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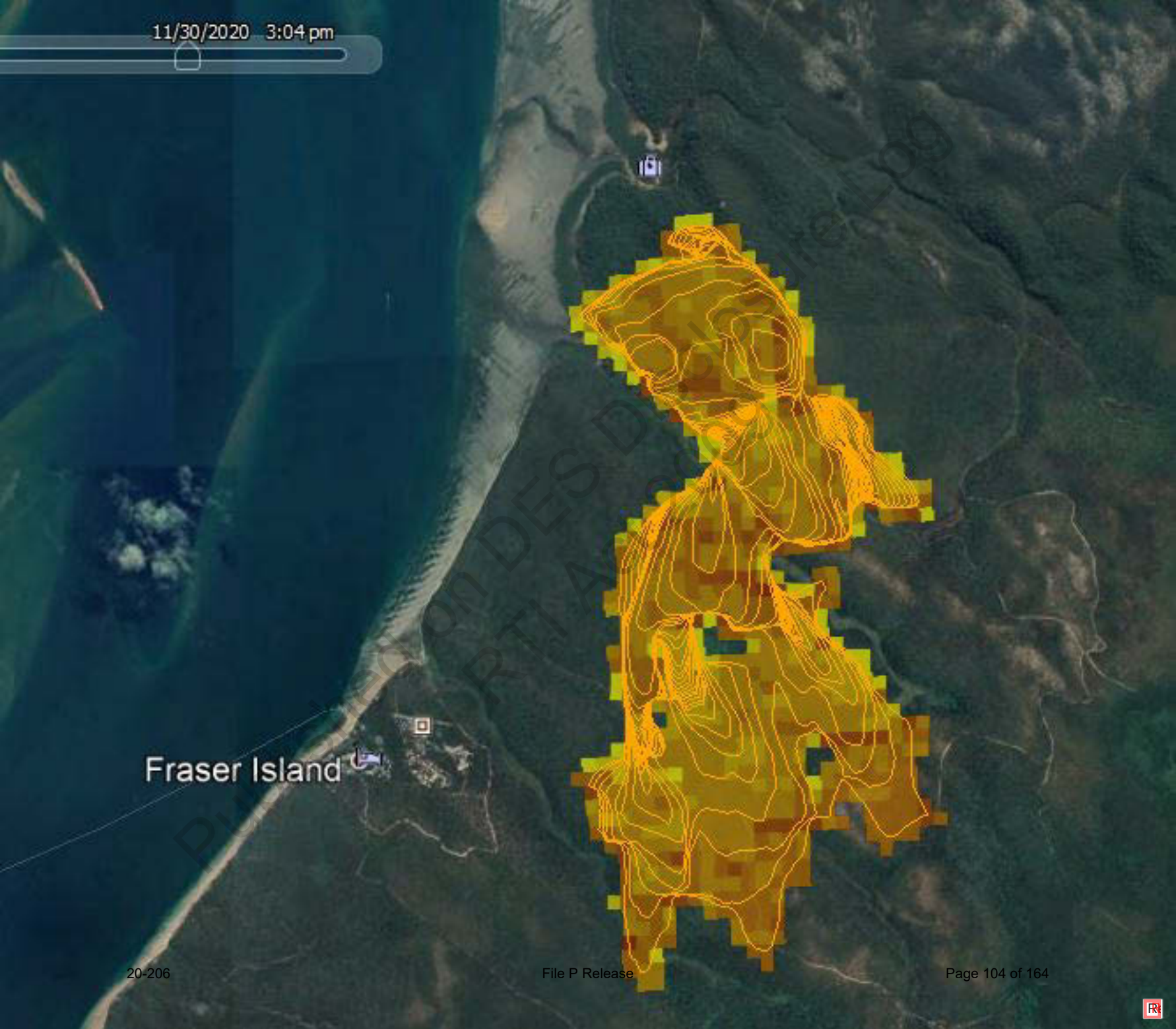


PUBLIC INQUIRY DES DOCUMENTS RELEASED

Date : 3/12/2020 2:47:15 PM
From : "CUBIS Mick"
To : "CAMBOURN Neil" , "BUCKLEY Andrew" , "KLAASSEN Ben" , "HEAD Damien" , "HARRIS Leigh" , "SPINKS Troy" , "Media DES"
Cc : "DARGUSCH Marc"
Subject : Fwd: Moving locations - IMT
Attachment : image004.png;image005.jpg;
Hi all, fyi, IMT moving to Howard fire station on Friday evening.

Sent from my iPhone

Begin forwarded message:

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>
Date: 3 December 2020 at 2:10:45 pm AEST
To: CUBIS Mick <Mick.Cubis@des.qld.gov.au>
Subject: FW: Moving locations - IMT

Hi Mick – for your info and for briefing above. This was a QFES/FCRC call.

Ta, M

From: WRIGHT Michelle <Michelle.Wright@des.qld.gov.au>
Sent: Thursday, 3 December 2020 1:16 PM
To: CIR Fire Team; EDMED Greg; FROST Carly; BARRACLOUGH Emma; LAYFIELD Wayne; CONNOR Nathan; SEELEITHER Jamie; DARGUSCH Marc
Cc: MCRAE Moyra; JENKINSON Kay; EZZY Lea
Subject: Moving locations - IMT

Hi

Please be advised that the IMT location is moving from Rainbow Beach to Howard Fire Station, Corner of William and Thomas Streets.

Last day in Rainbow is Fri 4 December. Travel up Friday night. First day in Howard is Sat 4 December.

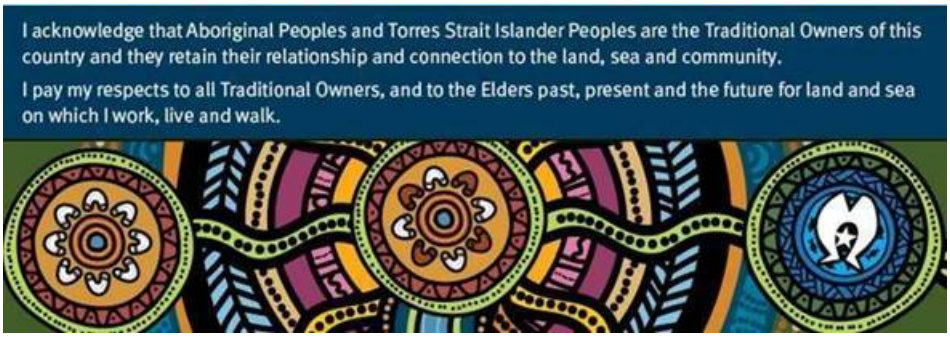
Thanks,

Michelle

Queensland Government

Michelle Wright
Regional Compliance Coordinator
Senior Conservation Officer | Technical Support (Compliance)
Coastal and Islands Region
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science

P (07) 4302 8570
M Personal Info
102 Lennox Street MARYBOROUGH QLD 4650 | PO Box 101 MARYBOROUGH QLD 4650
www.des.qld.gov.au
Work days: Monday – Thursday



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Date : 3/12/2020 8:15:41 AM
From : "CUBIS Mick"
To : "KLAASSEN Ben" , "CAMBOURN Neil" , "HEAD Damien" , "HARRIS Leigh" , "SPINKS Troy" , "MCLAUGHLIN Marty"
Cc : "DARGUSCH Marc" , "DAVIES Matt"
Subject : Fwd: NCR K'Gari (Fraser Island) Dot Point Advice update = 02.12.2020
Attachment : image002.jpg;image001.png;Dot point advice update - 02.12.2020.docx;

Mick Cubis
Regional Director
Coastal and Islands | QPWS&Partnerships
Department of Environment and Science
P (07) 54471137 | Mobile Personal info

Begin forwarded message:

From: DAVIES Matt <Matt.Davies@des.qld.gov.au>
Date: 3 December 2020 at 7:48:00 am AEST
To: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>, CUBIS Mick <Mick.Cubis@des.qld.gov.au>, CIR Fire Team <CIR.FireTeam@des.qld.gov.au>, SEELEITHER Jamie <Jamie.Seeleither@des.qld.gov.au>, BLACKMAN Boyd <Boyd.Blackman@des.qld.gov.au>, HARVEY Peter <Peter.Harvey@des.qld.gov.au>, YETMAN Brendon <Brendon.Yetman@des.qld.gov.au>, gadejould <gadejould@gmail.com>
Cc: BULLEY Graeme <Graeme.Bulley@des.qld.gov.au>, TAPPLY Jenna <Jenna.Tapply@des.qld.gov.au>, BARRACLOUGH Emma <Emma.Barraclough@des.qld.gov.au>, LAYFIELD Wayne <Wayne.Layfield@des.qld.gov.au>
Subject: FW: NCR K'Gari (Fraser Island) Dot Point Advice update = 02.12.2020

Latest situation advice.

Matt Davies
Senior Project Officer – Technical Support
Coastal and Islands Region I Queensland Parks and Wildlife Service
Department of Environment and Science
P (07) 5459 6102 | **M** Personal info | **E:** matt.davies@des.qld.gov.au
12 First Avenue, Maroochydore Q. 4558

From: ICC North Coast Region Maryborough <ICCNorthCoastRegion.Maryborough@qfes.qld.gov.au>
Sent: Thursday, 3 December 2020 7:20 AM
To: DAVIES Matt
Subject: FW: NCR K'Gari (Fraser Island) Dot Point Advice update = 02.12.2020

From: John Pappas <John.Pappas@qfes.qld.gov.au>
Sent: Wednesday, 2 December 2020 6:37 PM
To: SOC State Coordinator <SOC.StateCoordinator@qfes.qld.gov.au>; SDCCOPS <SDCCOPS@qfes.qld.gov.au>; Brian Cox <Brian.Cox@qfes.qld.gov.au>; Gary McCormack <Gary.McCormack@qfes.qld.gov.au>; Andrew Short <Andrew.Short@qfes.qld.gov.au>
Cc: ICC North Coast Region Maryborough <ICCNorthCoastRegion.Maryborough@qfes.qld.gov.au>; ROC North Coast <ROC.NorthCoast@qfes.qld.gov.au>; Mahon.ChrisM[OSC] <Mahon.ChrisM@police.qld.gov.au>; Sawrey.MichaelG@police.qld.gov.au; Clowes.AnthonyJ@police.qld.gov.au; Holly Sanders <Holly.Sanders@qfes.qld.gov.au>; William Gretton <William.Gretton@qfes.qld.gov.au>; Chris Hanlon <Chris.Hanlon@qfes.qld.gov.au>; brendan.guy@frasercoast.qld.gov.au
Subject: NCR K'Gari (Fraser Island) Dot Point Advice update = 02.12.2020
Good Evening SOC,
Please find attached today's dot point summary for K'gari (Fraser Island).
Regards,
John
NCR ROC Coordinator

John Pappas
A/Superintendent | Zone Commander Wide Bay Burnett
North Coast Region | Queensland Fire and Emergency Services
T Personal info **E** john.pappas@qfes.qld.gov.au
Unit 2, 57 Wylie Street, Thabeban 4670
Respect | Integrity | Courage | Loyalty | Trust
Valuing, Respecting and Supporting our People

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TO: Inspector Andrew Sbrizzi, Ministerial Liaison Officer	**MECS NO:**
SUBJECT: Update regarding Incident No: QF4-20-116117 Fraser Island (K'gari) as at 1700hrs Wednesday 2 December 2020	**DATE: 02 December 2020**

Update from the Rainbow Beach Incident Control Centre, at 1700hrs Wednesday 02 December 2020:

Changes from last report are in blue text.

- Currently, an estimated 82,000 hectares of K'Gari (Fraser Island) has burned; equating to approximately 50% of the Island's total area.
- QFES resources pre-deployed to Fraser Island are 50 personnel and 21 appliances.
- QPWS resources on Fraser Island are 25 personnel and 13 vehicles.
- 1 x QPWS Contracted Positrack with 2 personnel.
- On Wednesday, conditions were milder and fire spread was less in many areas.
- There are multiple fire fronts including one which is currently 2.0 kilometres east from Kingfisher Bay Resort and Village (KBRV) QFES plans to actively attack the fire with water bombing aircraft to reduce the fire's intensity and rate of spread whilst also looking at opportunities to improve access for ground crews in an effort to contain the fire.
- QPWS are brining 3 machines (Loader, Positrack and Excavator) to the island on Thursday 3/12 to clear along Cornwells Rd.
  - Extensive water bombing has held the western end of the fire at Boon Boon Creek largely in place whilst tactically, the eastern edge was allowed to progress southwards in order to shape the fire flank to pass east of KBRV. Water bombing has occurred along the western flank south to Cornwells Rd to slow the progress of the fire.
  - Predictive analysis has been conducted for a variety of scenarios for the future of this fire front. This modelling will be continually reviewed and updated with the latest weather forecasts and fire spread observations.
  - Aircraft taskings for continued fire suppression are being prepared for approval for early operations on Thursday morning.
  - KBRV Management advised today, that 7 staff remained on the island with the rest of the staff being relocated to the mainland. These staff members have been left in situ to accommodate/feed etc. the QFES personnel.
- Extensive aerial suppression bombing supported by on ground fire fighters has been undertaken at K'Gari Camp (owned by a Butchulla group) which is just south of the Cathedrals and no major damage has been reported to this time. Further strengthening of containment lines were undertaken today.
- The current northerly winds are driving this fire front southwards towards the Happy Valley township, but modelling suggests that any impact is likely to be more than 48 hours away. Consultation has taken place throughout the day with members of the Happy Valley RFB who produced an asset protection strategy. QFES resources will be utilised in conjunction with the provided strategy to defend assets. Air observation is taking place over the Northern part of this fire. A further 2x FRS appliances with crew will proceed to Happy Valley sector this afternoon to take up with DivCom.
- There is a further fire front of significance which is approaching the well-known "Valley of the Giants" area in the centre of the island. This is a wet sclerophyll forest and the fire is likely to continue through it based on current modelling. Options are being actively

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considered for mitigation of this front however suppression is unlikely, and the fire is expected to progress through this 350-hectare feature. Advice from QPWS is that the trees are generally fire adapted and ecological damage should be reduced if the fire is of a relatively low intensity. Significant cultural information - Butchulla people Significant cultural information - Butchulla people Significant cultural information - Butchulla people Significant cultural information - Butchulla people Significant cultural information - Butchulla people Water bombing operations have occurred late on Wednesday using fresh water to slow fire spread into this area.

- The forecast weather conditions, dryness of the environment, difficult access and topography and diverse fuel (vegetation) types make fire management difficult and the fire is unlikely to be securely contained until significant rain is received.
- A change of QFES Incident Controller occurred on Wednesday, 2 December 2020, with Rural Fire Service Area Director (Caloundra), Inspector Matthew Inwood relieving Superintendent James Haig.
- On Wednesday, 2 December 2020, Premier Annastacia Palaszczuk directed Queensland's Inspector General for Emergency Management, Alistair Dawson, to examine all aspects of the preparedness and response to the Fraser Island bushfire.
- Gary McCormack, Assistant Commissioner North Coast Region, worked from the Rainbow Beach ICC on Wednesday, 2 December 2020.
- Gary McCormack, Assistant Commissioner North Coast Region, contacted Councillor George Seymour, Mayor of Fraser Coast Regional Council, to provide an update regarding current fire activity and future operational intent over the next few days.
- Fraser Coast Regional Council (FCRC) LDMG moved to Stand UP with FCRC Local Social Recovery Committee Stood Up in response to the K'Gari (Fraser Island) Fires. Outcome items from meeting included consideration by QPWS to re-open northern areas of island for tourism.
- Community Bushfire Warnings issued Wednesday, 2 December 2020:
    - Prepare to Leave: Kingfisher Bay Resort and Village (part of the K'gari, Fraser Island Bushfire). Warnings issued at 0745 and 1410 hours.
- QFES Air Operations advised that as at 0700 2 December 2020, based on Fraser Island Drop Records, a total of 1,522,200 Litres of combined suppressants had been dropped between Saturday 28 November 2020 and 0700 hours Tuesday 2 December 2020.
- Kingfisher Bay Resort (KFBR) is maintaining a skeleton crew to assist in management of resort, with KFBR management still working on a staffing model for their Eurong resort.
- Community resident numbers (approximate numbers) are as follows:
    - Orchid Beach has 54 permanent residence and less than 20 tourists (by the weekend this will probably be 0).
    - Happy Valley has 26 permanent residence (this includes care takers and shop workers from Poyungan to Happy Valley). 4 tourists are left and will be 0 by the weekend. 16 owners/family members will stay to defend their houses today and tomorrow.
    - Eurong 2nd valley has 9 permanent residence (one who is in her late 80's and very independent). 0 guests. Eurong Resort has 32 live-in staff and 0 guests. Staff will be moved off island and housed at Hervey Bay at the company's expense in the event they have to move.

A/Superintendent John Pappas

North Coast Regional Operations Centre Coordinator

1700hrs 02/12/2020

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Date : 7/12/2020 11:51:36 AM
From : "OLIVER Nathan"
To : "CIR Fire Team" , "CUBIS Mick" , "DARGUSCH Marc" , "BULLEY Graeme" , "SEELEITHER Jamie" , "BLACKMAN Boyd" , "BARRACLOUGH Emma" , "HARVEY Peter" , "YETMAN Brendon" , "KLEKAR John" , "gadejould" , "rachel.killer@bac-kgari.org" , "LAYFIELD Wayne" , "CAMBOURN Neil" , "BUCKLEY Andrew" , "HEAD Damien" , "KLAASSEN Ben" , "HARRIS Leigh" , "BURNHAM Mark" , "SPINKS Troy" , "RCC Seqr" , "amanda.jackson@bac-kgari.org"
Subject : NCR Regional Incident Summary - 1000hrs
Attachment : 20-12-07 IF-00-10-00-Regional-Incident-Summary-(ROC-to-SOC) 1000hrs..pdf;20-12-07 IF-00-10-00-Regional-Incident-Summary-(ROC-to-SOC) 1000hrs SIGNED.pdf;Control of Duling Fire 20-12-07 1000hrs.docx;image001.png;image002.png;

Nathan Oliver
Principal Ranger Fire Management
South East Queensland Region I QPWS & Partnerships
Department of Environment and Science
P Personal Information
Kabool Road, West Burleigh 4220
www.des.qld.gov.au

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PLANNING

REGIONAL INCIDENT SUMMARY

ROC to SOC

Version 1.0

Region: North Coast

ROC Status: Stand Up

NAME OF EVENT: Operation Quell - NCR Fires (Fraser Island) November 2020

REPORT Date: Monday, 7 December 2020

No. of current incidents:

REPORT Time: 1000

☐ **Final Report** *(for this event)*

Level 1: 14 Level 2: 1 Level 3:

ROC OPERATIONAL STATUS

Regional WAL/SWAL Status:

Zone:	WAL:	SWAL:
Bundaberg	4	1
Maryborough	3	1
Sunshine Coast	3	1
Western	3	1

ROC staffing: *(How many staff are in the ROC?)*

	F & R	RFS	SES	EM	QFES Support	Other Agencies
Personnel:	4	1	1	1		1

Capacity and capability to support own region:

MODERATE - enough resources to maintain current level of regional activity for a limited time

How many **DAYS**, without further assistance, will the Region be able to sustain current operational activities? 1

Capacity and capability to support other regions:

(can you provide resources to another region?)

Complete this section with the resources you have available to provide to another region.

☐ Yes ☑ No

IMT *(partial)* ☐ IMT *(full)* ☐

	F&R	RFS	SES	EM
STRIKE TEAM / TASK FORCE	☐	☐	☐	
APPLIANCES	☐	☐	☐	
BOATS	☐	☐	☐	
SPECIAL OPERATIONS	☐			
URBAN SEARCH AND RESCUE (USAR)	☐			
AIR OPS	☐	☐	☐	
FIRE BEHAVIOUR ANALYSTS	☐	☐		
VOLUNTEER COMMUNITY EDUCATORS		☐	☐	
EM COORDINATOR				☐

OTHER USEFUL RESOURCE/S *(available to deploy)*
1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

Resources deployed to another region:

How many of your region's resources have you sent to support another region/s?

(Are currently absent from your region)

Allocated	F&R	RFS	SES	EM	QFES Support
Personnel/Volunteers					
Appliances					
Aircraft					
Boats					

Resources received into your region:

How many resources from other regions have deployed into your region?

Allocated	F&R	RFS	SES	EM	QFES Support
Personnel/Volunteers	19	2	2		1
Appliances	4	2			
Aircraft					
Boats					

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If major event is in your region:
How many of your region's home resources are dedicated to the major event in your region?

(Excluding ROC staffing, BAU and resources from other regions)

Allocated	F&R	RFS	SES	EM	QFES Support
Personnel/Volunteers	47	24	4		31
Appliances	18	20			23
Aircraft		24			
Boats					

Cyclone shelters / Evacuation centres:
(Number of QFES personnel/ Volunteers working at cyclone shelters/evacuation centres)

Cyclone shelter location:	
QFES personnel/volunteers:	
Evacuation centre location:	
QFES personnel/volunteers:	

Additional resource information:
Use this space to provide any information on QFES resources in relation to event, that you deem important, or needs further explanation.

Included in above numbers:
Bundaberg Air base: 4 x SES, 6 x FRS, 4 x RFS
Hervey Bay Air base: 6 x FRS: 2 x RFS, 1 x Aircraft support crew.

Air Operations will be functioning in a north and south division - existing ground divisions/sectors structure remain unchanged.

Fraser Island
QPWS, volunteers and Traditional owners supporting operations.
Personnel/Volunteers: 29
Vehicles: 20

1 x QPWS Loader
Contractor 1 x positrack + 2 operators
1 x Excavator

QPS Traffic Branch from Gympie and Maryborough assisting on Fraser Island
1x QPS 7m watercraft + 2 QPS Officers conducting water patrols in Great Sandy Strait waters off KBRV.

QFES Infrastructure damage, injuries and loss of life:
(In reporting period)

QFES	No.	Details:
Loss of life:		
Injury:		
QFES infrastructure:		
Appliances:		
Equipment:		

Water related assitance/rescues:

Swiftwater Floodwater Rescues (SFR)	Floodwater Evacuations	TOTAL

Additional Regional information:

Local Fire Ban for the NCR extended from 2355 hrs on Monday 30 November 2020 to 2355 hrs on Friday 11 December 2020. Exemptions issued to date 42.

Key Issues:
Significant threats to QFES and/or community relating to the incident/event/disaster i.e. potential evacuation, worsening or improving of situation etc.

Emergency Warning - Leave Immediately issued for Happy Valley Monday 7 December 2020 and updated at 0800 hrs

Information from the Fraser Island Fire Recovery Group (FIFRG) meeting.

Recovery Future operations
- Recovery Meeting reconvene planned for Monday 07.12.20.

Emerging issues
- DRFA Category A & Category B - extraordinary operational costs activated.

Number of active ICC's: 2

Report on each active ICC individually.
Only report on prevailing developments. Provide closure information on completed operations in current report - then remove from future reports (unless new developments on the closed issue are forthcoming).

ROC incident reporting to the SOC

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ICC:	**Maryborough - Howard QFES Complex**
Incident Name/s:	**QF4-20-116117 Fraser Island Fire**
Situation: Incident overview: *(A brief description of the incident being attended by the ICC - include information such as; size (hectares), threat to community and structures)*	Situation: *(NB: include community assistance & rescues)* See attached word document.
Mission: Objective:	Objectives: To contain and extinguish the Fraser Island fire, utilising a combination of QFES assets (RFS, FRS, SES) in addition to QPWS and the Butchulla Aboriginal Corporation to preserve life, protect property, culturally significant sites, historic structures and the natural flora and fauna.

Execution: Strategies:
Strategies planned for PPRR stages. (this may be a combination of phases due to the type and mode of incident/ event/disaster the ROC is monitoring and coordinating)

NOTE: Not every phase requires a response. Only provide those relevant to the stages of incident/event/disaster.

Phase	Strategy
Prevention	
Preparation	QFES crews and appliances strategically positioned at KBRV and Happy Valley in preparation for potential impact. QFES liaising with resort management of KBRV. QPWS and QFES crews~ are preparing infrastructure on eastern beach for fire impact and road closures internally. Preparing for possible containment options on eastern and western divisions. Recovery cell progressing establishment to achieve post fire recovery targets. Machinery is being moved to Happy Valley to assist in preparations for vegetation reduction and removal. Z Force base is being further stabilised by ground crews.
Response	1 x BAC vehicle with 2 persons on Fraser Island Eastern Division Local Butchulla people and QPWS are assessing potential damage to Fraser Island Fauna and Flora. A Temporary Restricted Airspace (TRA) has been established over Fraser Island for safety of aircraft and personnel. Aerial water/gel drops (Sunday 6 December 2020): Fireboss x 5 - **150** Helitak x 2 - **156** Fixed wing bombers x 5 - **68** LAT - **5**
Recovery	Fraser Coast LDMG - Recovery Group Stand up.

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Community Impact:
Provide information on the impact the incident is having on the community and/or public and any possible future impact.

(Include information such as; injuries, loss of structures/stock/livestock/life etc. to the community, and the impact QFES operations is having on the community)

Emergency Warning - Leave Immediately issued for Happy Valley Monday 7 December 2020 and updated at 0800 hrs.
Watch and Act (low) - KBRV (part of K'gari, Fraser Island bushfire) updated 0900 hrs 7 December 2020
Advice- Eli Creek, Yidney Rocks, The Oaks, Poyungan Valley K'gari (Fraser Island) bushfire updated 0900 hrs 7 December 2020.

Crews are preparing for asset protection. Crews are also continuing to work on containment strategies and protection of Kingfisher Bay Resort and other strategic assets on the island. Aircraft are continuing to support ground operations in north and south divisions.

Kingfisher Resort Closed 7 staff remaining
Happy Valley Community
Multiple cultural sites
Orchard Beach community
Cathedral Beach Resort
K'gari Camp
Tourism and visitors to the island

All tourism areas of K'gari (Fraser Island) have been severely impacted financially due to lost rent for accommodation centres and lost turnover for businesses. Culturally significant sites have been identified with the assistance of local indigenous Leaders and options analyses have been designed to protect these areas where possible.

ROC incident reporting to the SOC

ICC: **Bundaberg ICC**

Incident Name/s: **Operation Quell- Bundaberg Complex Fires- December 2020**

Situation: Incident overview:
(A brief description of the incident being attended by the ICC - include information such as; size (hectares), threat to community and structures)

Situation: *(NB: include community assistance & rescues)*

Kinkuna fire - A fire is burning in the Burrum National Park (Kinkuna Section) in predominantly coastal heath vegetation. The fire size is approximately 900 Ha of a 8600 Ha block. There are multiple seats of fire.

Buxton Fire - QFES crews working with DNRME crews to contain fire.

Mission: Objective:

Objectives: Contain the fire within Burrum Coast National Park.

Execution: Strategies:
Strategies planned for PPRR stages. (this may be a combination of phases due to the type and mode of incident/ event/disaster the ROC is monitoring and coordinating)

NOTE: Not every phase requires a response. Only provide those relevant to the stages of incident/event/disaster.

Phase	Strategy
Prevention	Construct and strengthen containment lines
Preparation	QPWS have heavy machinery planned to arrive o-site today.
Response	3 x QPWS and 3 QFES crews on site
Recovery	

Community Impact:
Provide information on the impact the incident is having on the community and/or public and any possible future impact.

(Include information such as; injuries, loss of structures/stock/livestock/life etc. to the community, and the impact QFES operations is having on the community)

Community Warning - Advice

ROC incident reporting to the SOC

ICC:

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Incident Name/s:

Situation: Incident overview:
(A brief description of the incident being attended by the ICC - include information such as; size (hectares), threat to community and structures)

Situation:
(NB: include community assistance & rescues)

Mission: Objective:

Objectives:

Execution: Strategies:
Strategies planned for PPRR stages. (this may be a combination of phases due to the type and mode of incident/ event/disaster the ROC is monitoring and coordinating)

NOTE: Not every phase requires a response. Only provide those relevant to the stages of incident/event/disaster.

Phase	Strategy
Prevention	
Preparation	
Response	
Recovery	

S Community Impact:
Provide information on the impact the incident is having on the community and/or public and any possible future impact.

(Include information such as; injuries, loss of structures/stock/livestock/life etc. to the community, and the impact QFES operations is having on the community)

PREPARED BY:
(Name and Position)

Craig Lovell - Planning Officer

Date: Monday, 7 December 2020

Time: 10:00am

ENDORSED BY:
(Name and Position)

Peter Hollier - Operations Officer

APPROVED BY ROC COORDINATOR/ EVENT COMMANDER (Planned Event):
(Rank and name)
Sign hardcopy

Superintendent - Andrew Bailey

Personal information

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ICC Maryborough Situation: (10:00 Monday 07 December 2020) now located and operating at **Howard Fire and Emergency Complex**

Control of the Duling Fire (Fraser Island) was transferred to QFES on 27 November 2020 with support from Queensland Parks and Wildlife Service (QPWS) and partners. The fire has been burning since 14 October in predominantly inaccessible terrain.

The fire area is currently 85,215 Ha - approximately 50% of Fraser Island.

Priority is for the protection of life and property and minimise fire spread - particularly the communities of Kingfisher Bay Resort Village (KBRV), Happy Valley, Cathedral Beach Resort, and K'gari (under the control of Deputy IC Asset Protection) KBRV has 7 staff remaining along with QFES crews. Barge operations have largely ceased with the exception with support of Operations.

Fire control lines remain difficult to traverse. The Safety Officer in the ICC has continued to upgrade the Safety Plan including COVID considerations, with all crews to follow Covid Safe procedures where possible with social distancing and avoiding physical contact etc

North to north-westerly winds 20 to 25 km/h, increasing to 30 km/h by midday, peaking during the early afternoon. Winds are likely to return to north-westerly overnight and ease to 20 km/h.

Tomorrow morning winds are expected to turn west to north-westerly before turning north to north-westerly in the early afternoon.

On Tuesday around 5pm winds are expected to become more variable as a change approaches, with winds potentially turning east to north-easterly and easing to 10 to 20 km/h. A significant south-easterly change is expected to arrive after 10 pm, increasing to 20 to 30 km/h by early Wednesday morning.

Any showers or thunderstorms are likely to produce erratic and variable winds. Wind speeds may vary by up to 10kph.

ICC Maryborough (Howard QFES Complex) Key Issues:

1. Fire North of KBRV at time of briefing at 0900 hours being held under control by air support.
2. Cathedrals Sector – Fire has reached the beach south of K'gari Camp (on Sunday 6 December) and is burning in a northly direction. Plans being established to construct a fire break from the beach to the south east corner of the Knifeblade sand blow.
3. Happy Valley fire is now 1.0 km North West of Happy Valley. An emergency warning is in place for Happy Valley. Wording of the Emergency Warning has included that a backburn will commence at 0830hrs with air and ground support. This backburn will be completed off a mulched fire break.
4. Fire remains north of Cornwells Road in Yidney Setor – approximately 1.5k North

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Western Division:

Lighthouse Sector

No change.

Bogimbah Sector

Fire has held north of Cornwells Road overnight (6/12/2020).

Machines and ground crews are upgrading the road East along Cornwells Road and monitoring any hot spots along the track.

Active fire North East of KBRV in this sector is being maintained by air support. No substantial movement overnight.

Air support objective today is to ensure that the fire does not jump the Cornwell track and make a run to the South.

Air Observer will map the island at 0700hrs. Air attack supervisors will depart at 0800hrs Monday 7 December 2020 with water bombing commencing upon their call. Operations cell liaising with air operations daily.

Currently patrolling with 2 QFES light attack appliances in cooperation with QPWS. Looking at possibly reducing this presence during the day.

Night crew patrol only, no firefighting undertaken.

KBRV Sector

Currently the flank of the fire is burning to the NNE and SE of the Kingfisher Bay resort.

Monitors are being situated around fuel and LPG gas storage.

Crews are briefing every 2 hours to maintain focus and situational awareness. Patrolling of resort boundary watching for new fires or approaching fire.

4 x RFS Appliances, 4 x RFS FF, 7 x FRS Appliances, 21 x FRS FF remain at KBRV.

4 x RFS Appliances, 8 x RFS FF, 2 x FRS Appliances, 4 x FRS FF sent to Happy Valley

McKenzie sector

No change

Eastern Division:

Orchid Beach Sector

No active fire. No change.

Cathedrals Sector

Active fire continues to burn on the western and southern sides. No current threat to property. Cathedral Beach Resort protected from direct fire attack, however, is susceptible to ember attack if wind was from South West. Embers would need to travel 4km.

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Fire has reached the beach South of K'gari Camp (on Sunday 6 December) and is burning in a Northly direction. Plans being established to construct a fire break from the beach to the South East corner of the Knifeblade Sandblow.

Happy Valley Sector

Happy Valley fire is now 1.0 km North West of Happy Valley. Air support is in operation. **Emergency Warning** has been authorised for Happy Valley by Incident Controller. Wording of the Emergency Warning has included that a backburn will commence at 0830hrs with air and ground support. This backburn will be completed off a mulched fire break. It is possible that the township of Happy Valley maybe impacted by ember attack

A fire break will be constructed today (07/12/20) around the Telstra tower along existing tracks. BAC have inspected additional fire management tracks proposed by Happy Valley Community Association and are satisfied the existing tracks can be widened without disrupting any areas of significant.

4 x RFS Appliances, 8 x RFS FF, 2 x FRS Appliances, 4 x FRS FF were transferred to Happy Valley from KBRV.

Valley of the Giants Sector

No Change

Yidney Sector

An Active fire burning approximately 1.0km West of Happy Valley. Extensive water bombing is occurring. See Happy Valley Sector brief for additional information.

South East Sector

A Community meeting is planned for 0900 this morning at the Eurong Resort. Invited stakeholders include QFES, QAS, QPS, QPWS, BAC, residents and resort staff.

Community Warning Fraser Island (Happy Valley) – bushfire warning level: Emergency Warning

Community Warning Fraser Island (K'gari) - bushfire warning level: Advice
Community Warning Kingfisher Bay Resort and Village - bushfire warning level: Watch and Act (low).

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ICC Maryborough Situation: (10:00 Monday 07 December 2020) now located and operating at **Howard Fire and Emergency Complex**

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No Change

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Community Warning Fraser Island (K'gari) - bushfire warning level: Advice
Community Warning Kingfisher Bay Resort and Village - bushfire warning level: Watch and Act (low).

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RTI Act 2009

Date : 7/12/2020 10:49:53 AM
From : "OLIVER Nathan"
To : "CIR Fire Team" , "CUBIS Mick" , "DARGUSCH Marc" , "BULLEY Graeme" , "SEELEITHER Jamie" , "BLACKMAN Boyd" , "BARRACLOUGH Emma" , "HARVEY Peter" , "YETMAN Brendon" , "KLEKAR John" , "gadejould" , "rachel.killer@bac-kgari.org" , "LAYFIELD Wayne" , "CAMBOURN Neil" , "BUCKLEY Andrew" , "HEAD Damien" , "KLAASSEN Ben" , "HARRIS Leigh" , "BURNHAM Mark" , "SPINKS Troy" , "RCC Seqr"
Cc : "EZZY Lea"
Subject : QPWS Morning Operations Brief
Attachment : SMEAC brief 07_12_2020 at 1030.docx;image001.png;image002.png;

Nathan Oliver
Principal Ranger Fire Management
South East Queensland Region I QPWS & Partnerships
Department of Environment and Science
P Personal Information
Kabool Road, West Burleigh 4220
www.des.qld.gov.au

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RTI Act 2009

FIRE OPERATIONS BRIEFING	• 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.	
	INCIDENT NAME: *Duling – Fraser Island – K'Gari*	**DATE: 07/12/2020** **TIME: 1030**
	GROUP BEING BRIEFED: ICC	

PREPARED FOR OPERATIONAL PERIOD	**From:** 0700	**To:** 1900
	Prepared by: Lea Ezzy	

SITUATION

Weather:
Spot forecasts from BOM

Monday 7 Dec 2020
Peak weather 1300 to 1500. Max T30C RH 50% Wind NW 25kmh (Gusts 40kmh)

Happy Valley
North to north-westerly winds 20 to 25 km/h, increasing to 30 km/h by midday, peaking during the early afternoon. Winds are likely to return to northwesterly overnight and ease to 20 km/h.

Kingfisher
North to north-westerly winds 20 to 25 km/h, increasing to 30 km/h by midday, peaking during the early afternoon. Winds are likely to return to northwesterly overnight and ease to 20 km/h

WEST DIVISION

KBRV (Kingfisher) / Bogimbah (Cornwell Rd) Sectors
- Fire continues to hold along Cornwells Road. Low fire activity ESE of Leading Hill, despite prevailing north westerly wind.
- Aerial ops monitoring and water bombing; ground crews patrolling burnt edge.
- Hot spots further north/north east of Kingfisher Lodge are still active – aerial water bombing will continue through Monday 7 Dec to suppress fire activity.

EAST DIVISION

Happy Valley Sector
- Active front 1 km NW above Happy Valley, moved about 200m overnight towards township.
- QFES leading approved backburn on Monday morning 7 Dec with aerial support.
- PSPA (Public Safety Preservation Act) invoked at 1430 hrs Sun 6 Dec– QPS directed any residents not involved in fire effort to leave and travel south to Eurong.
- Emergency Warning will continue to be updated by QFES to include public information about backburning times.
- Private residences south of Happy Valley are potentially at risk if fire continues to track further south in coming days.

Cathedral / Yidney Sector
- Active fire along beach 1 km south of K'Gari Camp and backing slowly north along beach towards K'Gari camp.

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	• Active fire approx. 1.8 km north of K'Gari Camp above Knifeblade Sandblow. • Active fire approaching Eli Creek. • Minimal fire activity in Valley of Giants • No active fire in vicinity of Cathedrals; burnt ground protecting N-W-S edges • QPWS crews have prepped boardwalk infrastructure around Eli Creek and Maheno Camp waste transfer station around Eli Creek
MISSION	**WEST DIVISION**: - Protect public north of Wanggoolba Rd / Eurong Rd. - Contain fire north of Dundonga firebreak / Cornwells Road. **EAST DIVISION:** - Protect public on eastern beach north from Eurong to Cathedral Resort area and east to Central Station focussing on Happy Valley and K'Gari Camp. - Significant cultural information - Butchulla people
EXECUTION	**WEST DIVISION:** **Kingfisher / Cornwell Sector:** - QRFS crews based at Kingfisher Lodge - Up to 6 x QPWS crews to monitor (minimum 4x) Cornwells Road in Leading Hill area throughout day with overlapping shifts into the night. - Crews will focus on pinch points in Leading Hill area to ensure complete black edge. - No Heavy Plant currently active in this sector - 1 x Heavy Plant (1 x Excavator with Mulcher) on Cornwells Road has been stood down to reduce traffic congestion. - Continue to use aerial support on Monday 7 December to manage active fire above Cornwells Road and north east of Kingfisher Lodge. **EAST DIVISION:** **Happy Valley Sector** - QPWS to support QFES conducting backburn at Happy Valley township. - LAT available Mon 7 Dec including NSW 737. - 1 x Heavy Plant (1 x Positrack positioned at McLachlan Rocks to widen track up to Kooloro Sandblow, returned to Happy Valley ~1300. - 2 x Heavy Plant at Happy Valley township - 1 x smaller Positrack working on firebreaks around HV under dQFES. - 1 x wheeled loader standing by at HV **Cathedral / Yidney Sector** - Maximum of 8 x QPWS crews patrolling Eastern Division with overlapping crews into the night - QPWS crews to focus on K'Gari Camp and Eli Creeks sections. **IMT** - Options Analysis approved by IC for Butchulla - Options analysis completed for fall back lines to McKenzie Bridge, Bennett Creek, and Wanggoolba Eurong Roads. - Options to protect K'Gari Camp to be assessed including potential to use Loader around dingo fence at Camp/Woralie Road.
ADMINISTRATION	- Sitreps 8am, 12pm, 5pm. - 8am and 5pm teleconference briefs

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	- IAP prepared at 7pm for following day.
COMMAND	ICC – Howard QFES Incident Controller – Matt Inwood QPWS Dep IC – Nathan Oliver Personal information QPWS Operations –Tim Killen Personal information QPWS Planning – Lea Ezzy Personal information QPWS John Klekar DIV WEST Eurong (early) QPWS Graeme Bulley DIV EAST Eurong (late) Personal information QFES Michael Koch DIV EAST Eurong QFES Wayne McLennan DIV WEST Kingfisher
SAFETY	- Crews to be aware of areas of soft sand with increased fireline traffic. - Crews to be vigilant of fire location and spread south of Cornwells Road fire line including to potential ember attack and spot ignitions ahead of advancing front. - Crew welfare and safety is a key priority. - Access to Valley of the Giants for ground crews closed due to likely fire damage to timber bridges
OTHER	**Cultural Heritage** • On ground prep works undertaken Significant cultural information - Butchulla people • Air ops have GPS coordinates for water bombing on the above sites if required. • QPWS continuing to work with K'gari traditional custodians to manage. **Logistics** • Drinking water and ration resupply required over weekend - fruit/snacks/ soft drinks, water • K'gari NRM staff are excluded from WF operations to focus on Wongari (Dingo) management • **Additional vehicles requested through RCC to cover potential shortage from Monday 7/12/20.**

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Date : 2/12/2020 9:20:46 AM
From : "CAMBOURN Neil"
To : "DAVIDSON Brent" , "BUCKLEY Andrew" , "KLAASSEN Ben"
Subject : RE: Butchulla negotiations
Attachment : Ben: K'gari fire response Maryborough Sun;image001.png;image002.png;

Thanks I have limited capacity to assist as I'm travelling and in meetings today.
This is from last week (attached)

Neil Cambourn
Executive Director
Queensland Parks and Wildlife Service
Department of Environment and Science
P 07 3199 7518 M Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: DAVIDSON Brent <Brent.Davidson@des.qld.gov.au>
Sent: Wednesday, 2 December 2020 8:48 AM
To: BUCKLEY Andrew; KLAASSEN Ben; CAMBOURN Neil
Subject: RE: Butchulla negotiations

Thanks very much. Neil do you know if there's been any specific talk about using water from the lakes etc? I know it's very sacred to the Butchulla – I presume even if we'd asked they would not like that to happen?

From: BUCKLEY Andrew <Andrew.Buckley@des.qld.gov.au>
Sent: Wednesday, 2 December 2020 8:46 AM
To: DAVIDSON Brent; KLAASSEN Ben; CAMBOURN Neil
Subject: RE: Butchulla negotiations

Brent
My understanding is that we have been consulting with the Butchulla people throughout this campaign. Also I think from my reading it is salt water that is being used **not** water from lakes or other sources on the island but Neil may be best placed to confirm these things.

Cheers buck

From: DAVIDSON Brent <Brent.Davidson@des.qld.gov.au>
Sent: Wednesday, 2 December 2020 8:21 AM
To: BUCKLEY Andrew; KLAASSEN Ben
Subject: Butchulla negotiations

Hi Ben & Andrew

Would you be able to help us answer this:

Has there been consultation with the Butchulla people regarding using water from water sources on the island?

I know this will need to be treated sensitively. to discuss.

Cheers

Brent

Brent Davidson
Media Manager
Personal info

Published on DES Disclosure Log RTI Act 2009

Date : 26/11/2020 1:00:43 PM
From : "WATSON Matthew"
To : "KLAASSEN Ben"
Cc : "Media DES" , "CAMBOURN Neil"
Subject : Ben: K'gari fire response Maryborough Sun
Attachment : 251120 - K'gari fire update - Maryborough Sun.docx;image001.png;image003.png;image004.png;

Hi Ben,
Please see response attached and below.
This is based upon previously approved responses.
Neil has approved.
Is this okay to progress?
Cheers

Media statement

K'gari (Fraser Island) update

November 26 2020

Enquiry from Craig Winter – Maryborough Sun

From: The Maryborough Sun - Administration <admin@marysun.com.au>
Sent: Tuesday, 24 November 2020 4:51 PM
To: QPWS
Subject: Fraser Island fires - media story response requested
Importance: High

Good evening,
We are featuring a story on the current Fraser Island fires and have the following questions as asked by our readers, all of whom have been watching the emergency response with interest, and particularly the helicopter taking fresh water from the mainland for dumping on the fire. We are attempting to provide our readers with actual facts, not sourced from Facebook opinions and rumours, so your help would be appreciated.

1. Is it true that the single helicopter (we are aware of the plane assisting of course) assisting in with the fire is NOT ALOWED to fill it's water bucket from the fresh water resources on Fraser Island, and that it has to fly and additional 20 minutes to Booral to do so?
2. The average avgas usage of this type of helicopter is around 45 litres/hour (approx. $200). Can the Government or it's agencies justify the additional cost AND the additional 40 minutes round trip to fill each buck, when Fraser Island famously has almost more fresh water than mainland Queensland?
3. Most pastoralists in the region have been predicting this fire for many years due to the overgrowth of Fraser Island firebreaks and lack of fire maintenance. Do you consider that maintenance is issue with this fire?
4. Are the Rural Fire Brigades hands tied when it comes to making decisions on how to fire similar fires/maintain bush areas because of political pressure from Greens and other parties?
5. Is the department open to considering a new plan for fire maintenance and control in areas to prevent further disastrous fires in the future.

There will be significant economic loss for the Fraser Coast region because of this fire. Local businesses are already reporting multiple tourism cancelations and are afraid that this holiday season won't provide the boost they need after COVID. We are hoping to be able to give them some good news regarding the future of the Island and it's surrounds. Many thanks for your consideration.

Regards,
Craig Winter

The following can be attributed to a Department of Environment and Science spokesperson:

Approximately 36 per cent of K'gari (Fraser Island) is within the fire perimeter but not all that area has been burned. The fire has been burning at a variety of intensities depending on environmental conditions and vegetation types, and is burning in a mosaic pattern.

Waterbombing has been used to suppress the fire's movement and rate of spread. However, as the soil is sand, it doesn't hold moisture which hampers its residual benefits. In the tall, forested areas it is difficult for water bombing to dampen the ground through the canopy.

Biosecurity and cultural reasons restrict water-bombing helicopters from accessing the island's pristine freshwater lakes. This prevents pest fish, insects, seeds or pest plant species potentially being transferred from a farm dam via water-bombing buckets, which could be catastrophic to the island's natural ecological balance. However, helicopters have sourced water from the ocean.

K'gari is managed in accordance with a comprehensive fire management strategy. This includes a system of prioritised firebreaks and scientifically based planned burn guidelines that integrate traditional mosaic burning practices specifically designed for the island's vegetation communities.

QPWS routinely conduct planned burns operations on K'gari, and the use of fire is an accepted environmental management strategy. Vegetation communities on K'gari have adapted to survive bushfires, with some species of flora and fauna totally reliant on it for regeneration or future food source and habitat.

The majority of the island, including popular visitor sites, remains open. The impact on visitors, beyond smoke and visibility issues, is minor. Some camping sites previously closed have reopened.

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Christmas campground bookings on the island and in the neighbouring coastal recreation areas are expected to be at capacity.

Visitors to the island should monitor Park Alerts and Queensland Fire and Emergency Service advice over the coming days.

For more information about planned burn guidelines, please visit:
https://parks.des.qld.gov.au/__data/assets/pdf_file/0031/149863/pbg-seq.pdf

ENDS

Media contact: DES Media Unit on (07) 3339 5831 or media@des.qld.gov.au

Matt Watson
Principal Media Officer
Media Unit | Corporate Communications
Department of Environment and Science

M Personal in Chat with me on Teams!
GPO Box 2454, Brisbane QLD 4001
If it's a media matter, please include the group email media@des.qld.gov.au
Website www.des.qld.gov.au

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ENDS

Media contact: DES Media Unit on (07) 3339 5831 or media@des.qld.gov.au

Background: not for publication

Published on DES Disclosure Log
RTI Act 2009

Date : 1/12/2020 6:49:08 AM
From : "KLAASSEN Ben"
To : ""Michael Wassing""
Subject : RE: Complaint to FCRC Mayor
Attachment : image003.png;image007.jpg;image008.jpg;image001.png;image002.jpg;

Hi Mike

Thanks for passing on. Please be assured you have our full commitment and if there are any issues let me know.

I did look into the initial response yesterday and the fire was reported to us at 1:30pm on 14 October and we had a crew on site that afternoon. It commenced in an area we don't have regular staff based and the initial focus was moving campers as the fire was heading north and not threatening property. Crews continued on the fire and rural fire service assistance occurred from 17 October. Wind changes then pushed the fire south.

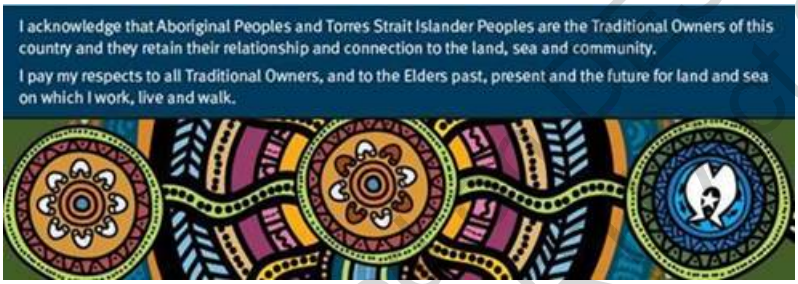
I am developing some messaging to demonstrate the response was same day and the fire was being managed. As you can appreciate the conditions on the island are challenging and containing large fires is difficult.

I will see where the recovery team is at as a priority.

I note the wind change and hope the firebreaks around Kingfisher do assist.

Regards
Ben

Ben Klaassen
Deputy Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7538 | **M** Personal in | **E** ben.klaassen@des.qld.gov.au
Level 5, 400 George St, Brisbane QLD 4000
PO Box 15187, CITY EAST QLD 4002



From: Michael Wassing <Michael.Wassing@qfes.qld.gov.au>
Sent: Monday, 30 November 2020 9:07 PM
To: KLAASSEN Ben
Subject: Fwd: Complaint to FCRC Mayor

Ben

For your visibility, see attached

In doing todays media (TV and radio) I have attempted to tell the story of fire strategies that align with minimised impact on the environment whilst protecting built and cultural assets all while retaining life protection as priority. (and in difficult and poor access terrain) This has also been the strong local messaging.

I understand the bushfire recovery team establishment is still waiting finalisation and I strongly suggest this become a priority led by QPWS for both assessment and envt rehab but also informing how you open the Island and when with QPWS public messaging.

As discussed today by phone, some of the media are seeking more information regarding the start of the fire, initial response and as you can see from attached, land management matters.

No doubt these are not new issues QPWS contends with, but as the current lead agency for the fire, we are seeking your continued full engagement and assistance in all aspects of the fire in a timely manner including media.

Also for noting, is that I understand winds will shift to N NE and fire travel will likely start to head toward KFB tomorrow into Wednesday. The fire seems also to be travelling slowly through the forest to the east.

Published RTI Disclosure Log 2009

Regards

Mike Wassing
Deputy Commissioner
QFES

Sent from my iPad

Subject: Complaint to FCRC Mayor

Good afternoon,

The attached is likely one of the drivers for the FCRC Mayor Seymour to suggest he will be requesting a review of the Fraser Island Fire. The community sentiment is certainly at a tipping point, and with a timely conclusion to the event exceedingly challenging, QFES will need to be very proactive in our approach with all stakeholders including the local and broader community.
I have suggested through the deployed QFES media staff that the ICC consider producing some proactive footage for our social platforms that explains our actions, challenges and shared concerns with the community and partners (environmental, economical etc.). If considered appropriate the messages should align with our intent to manage and attempt to extinguish the fire as timely as possible whilst concurrently commencing recovery work with our partners to return the island to normal arrangements as soon as is practicably (and safely) possible.

Regards,

Gary McCormack
Assistant Commissioner, North Coast Region
Queensland Fire and Emergency Services

P: 07 4122 0302 **M**: Personal info
gary.mccormack@qfes.qld.gov.au
www.qfes.qld.gov.au

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RTI Act 2009

Date : 1/12/2020 6:53:11 AM
From : "Michael Wassing"
To : "KLAASSEN Ben"
Subject : Re: Complaint to FCRC Mayor
Attachment : image007.jpg;image008.jpg;image001.png;image002.jpg;
Thanks Ben

Get Outlook for iOS

From: KLAASSEN Ben <Ben.Klaassen@des.qld.gov.au>
Sent: Tuesday, December 1, 2020 6:49:08 AM
To: Michael Wassing <Michael.Wassing@qfes.qld.gov.au>
Subject: RE: Complaint to FCRC Mayor

Hi Mike

Thanks for passing on. Please be assured you have our full commitment and if there are any issues let me know.

I did look into the initial response yesterday and the fire was reported to us at 1:30pm on 14 October and we had a crew on site that afternoon. It commenced in an area we don't have regular staff based and the initial focus was moving campers as the fire was heading north and not threatening property. Crews continued on the fire and rural fire service assistance occurred from 17 October. Wind changes then pushed the fire south.

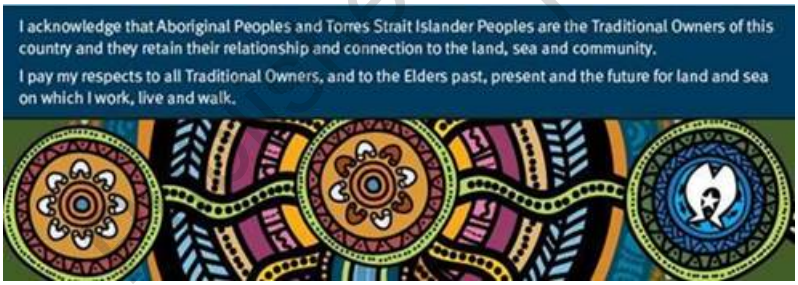
I am developing some messaging to demonstrate the response was same day and the fire was being managed. As you can appreciate the conditions on the island are challenging and containing large fires is difficult.

I will see where the recovery team is at as a priority.

I note the wind change and hope the firebreaks around Kingfisher do assist.

Regards
Ben

Ben Klaassen
Deputy Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7538 | **M** Personal | **E** ben.klaassen@des.qld.gov.au
Level 5, 400 George St, Brisbane QLD 4000
PO Box 15187, CITY EAST QLD 4002
Queensland Government



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QFES

Sent from my iPad

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Gary McCormack
Assistant Commissioner, North Coast Region
Queensland Fire and Emergency Services

P: 07 4122 0302 **M**: Personal info
gary.mccormack@qfes.qld.gov.au
www.qfes.qld.gov.au

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Date : 29/11/2020 7:54:56 AM
From : "CAMBOURN Neil"
To : "BROOK Scott" , "HEAD Damien" , "KLAASSEN Ben" , "CUBIS Mick" , "WATSON Matthew"
Subject : RE: Duling (Kgari) WF - end date
Attachment : image001.png;image003.png;image004.png;

Hi Scott, This is what we have in place at the moment, let us know if any concerns?

- Coastal and Islands has closed all future bookings on K'gari until 2 January 2021. (ie system wont let you book).
- We will be contacting customers until Friday 4 December 2020 advising of the current situation and that their camping bookings are cancelled and they will be entitled to full refunds.
- We will contact VAP holders (with start dates until 4 December 2020) they will be unable to access the island
- A separate email will be sent to Exemption holders (residents, landholders etc) advising access will be available for essential services
- Coastal and Islands are managing Park Alerts
- We will revisit on Tuesday next week to extend the notification to future bookings on a week by week basis – so as not to alarm customers who may have Christmas/New Year bookings

Good luck today.

Queensland Government

Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science

P 07 3199 7518 **M** Personal inf
Level 5, 400 George Street, Brisbane QLD 4000

From: BROOK Scott <Scott.Brook@des.qld.gov.au>
Sent: Sunday, 29 November 2020 7:43 AM
To: HEAD Damien
Cc: CAMBOURN Neil
Subject: Duling (Kgari) WF - end date

Hi Damien,

No action required. Update on a point of question from QFES ROC.

QFES just queried the end date of 13th for closures associated with this fire.

I have advised that this is usual practice to provide some guidance to community of possible end date, rather than leave the date open to speculation.

Further that it is generally more acceptable to extend the date if circumstances dictate.

Concern being that some local council (?) stakeholders may plan for the opening date.

Was accepted for the time being.

Regards

Queensland Government

Scott Brook
Senior Ranger, Fitzroy Management Unit
Central Region.
Department of Environment and Science

P 07 4936 0105 M Personal inf
61 Yeppon Rd, Nth Rockhampton
PO Box 3130, Nth Rockhampton 4701

Published on DES Disclosure Log RTI Act 2009

Date : 5/12/2020 8:42:48 AM
From : "CAMBOURN Neil"
To : "MERRICK Jamie"
Cc : "KLAASSEN Ben"
Subject : Re: Flash Brief from the Commissioner, Queensland Fire and Emergency Services, Fraser Island (K'Gari) fires 2020 - 05/12/20
Attachment : image001.jpg;Fraser Island - Drop Records as at 5 December 2020.pdf;QFES Flash Brief - 5 December 2020.pdf;QFES Flash Brief - 5 December 2020.docx;

Thanks Jamie, I had a brief from our deputy IC yesterday afternoon and they were holding it well to the north of Cornwalls Break road and were doing some back burning last night to try to consolidate it. 3 machines there assisting including a heavy excavator.
There was a lot of aerial bombing activity north of happy valley through the day yesterday too to try to suppress the fire there. So far so good but weather will continue to challenge particularly from tomorrow.

Regards Neil Cambourn

On 5 Dec 2020, at 8:33 am, MERRICK Jamie <Jamie.Merrick@des.qld.gov.au> wrote:

Sent from my iPhone

Begin forwarded message:

From: Margot Gladstone <Margot.Gladstone@qfes.qld.gov.au>
Date: 5 December 2020 at 7:32:39 am AEST
To: Ellen McIntyre <Ellen.McIntyre@ministerial.qld.gov.au>, nick.barter@ministerial.qld.gov.au, daniel.carvosso@ministerial.qld.gov.au, shane.lowry@ministerial.qld.gov.au, phil.willmington@ministerial.qld.gov.au, rebecca.mcgarrity@premiers.qld.gov.au, david.stewart@premiers.qld.gov.au, Gollschewski.StephanW@police.qld.gov.au, MERRICK Jamie <Jamie.Merrick@des.qld.gov.au>, Kyla.Hayden@premiers.qld.gov.au
Cc: Greg Leach <Greg.Leach@qfes.qld.gov.au>, Michael Wassing <Michael.Wassing@qfes.qld.gov.au>, Adam Stevenson <Adam.Stevenson@qfes.qld.gov.au>, "Mark Roche (QFES)" <Mark.Roche@qfes.qld.gov.au>, Tim Whittaker <Tim.Whittaker@qfes.qld.gov.au>, QFES Commissioner Staff Officer <QFES.CommissionerStaffOfficer@qfes.qld.gov.au>, Jane Houston <Jane.Houston@qfes.qld.gov.au>, Andrew Sbrizzi <Andrew.Sbrizzi@qfes.qld.gov.au>, Caitlin Duncan <Caitlin.Duncan@qfes.qld.gov.au>, Sara Simmons <Sara.Simmons@qfes.qld.gov.au>, Simon Dobbie <Simon.Dobbie@qfes.qld.gov.au>
Subject: Flash Brief from the Commissioner, Queensland Fire and Emergency Services, Fraser Island (K'Gari) fires 2020 - 05/12/20

Good morning
Please find attached a Flash Brief, both word document and PDF (with attachment) from Queensland Fire and Emergency Services (QFES) on the Fraser Island (K'Gari) fires as at 7.45am, Saturday 5 December 2020.
This brief will be provided each morning in the short term.
If you have any queries, please contact Jane Houston, Chief of Staff, Commissioner's Office, QFES on 0428 048 561.
Cheers
Margot

Margot Gladstone
Executive Manager
Executive and Ministerial Services
Queensland Fire and Emergency Services
Phone: 07 3635 3789 | **Mob:** Personal ir
Post: GPO Box 1425, Brisbane Qld 4001
Email: margot.gladstone@qfes.qld.gov.au
Mail Cluster 6.9
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QFES Air Operations

Incident - Fraser Island

Date	Aircraft used	Total number of litres dropped (Combined)
28/11/2020 Saturday	Fire Bosses x 3	250,000 Litres
29/11/2020 Sunday	Fire Bosses x 3 Fixed Wing 802's x 2 Helitak x 1	225,000 Litres
30/11/2020 Monday	Fire Bosses x 3 Helitak x 2 Larger Air Tanker x 1	432,200 Litres
01/12/2020 Tuesday	Fire Bosses x 3 Fixed Wing 802's x 2 Helitak x 1	615,000 Litres
02/12/2020 Wednesday	Fire Bosses x 3 Fixed Wing 802's x 2 Helitak x 1	345,000 Litres
03/12/2020 Thursday	Fire Bosses x 5 Fixed Wing 802's x 5 Helitak x 2 Larger Air Tanker x 1	997,000 Litres
04/12/2020 Friday	Fire Bosses x 5 Fixed Wing 802's x 5 Helitak x 2 Larger Air Tanker x 1	1,050,000 Litres
Total dropped to date		3,914,200 Litres

Correct @ 1400 04/12/2020

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Subject: K'gari (Fraser Island) Fire Update as at 0700hrs Saturday 5 December 2020	
Requested by: Jane Houston, Chief of Staff to the Commissioner, Queensland Fire and Emergency Services	
To: Commissioner, Queensland Fire and Emergency Services	
Date: 5 December 2020	**MinCor #:** xxxx-xxxx **RecFind #:**

Published on DES Disclosure Log RTI Act 2009

1. Background

- The fire reportedly started on 14 October 2020 at an Orchid Beach campsite (Duling camp zone) towards the northern end of Fraser Island.
- The fire on the eastern side of the Island is burning in the vicinity of Dundonga Creek, east of Kingfisher Bay Resort and Village (KBRV), through to Cornwells Road in the south.
- The fire is burning in predominantly inaccessible terrain where approximately 82,500 hectares has burned; equating to approximately 50% of the Island's total area.
- QFES, Queensland Parks and Wildlife Service (QPWS) and Butchulla Aboriginal Corporation (BAC) personnel are working from the joint Incident Control Centre at Rainbow Beach; with the objective to contain and extinguish the fire, utilising a combination of QFES assets (RFS, FRS, SES) in addition to QPWS and the BAC to preserve life, protect property, culturally significant sites, historic structures and the natural flora and fauna.
- Significant QFES, QPWS and BAC resources from have responded to this fire, including water bombing aircraft reduce the fire's intensity and rate of spread whilst also considering all available opportunities to improve access for ground crews in an effort to contain the fire.
- QFES resources pre-deployed to Fraser Island are 42 personnel and 22 appliances.
- QPWS resources on Fraser Island are 25 personnel and 13 vehicles; and 1 QPWS Contracted Positrack with 2 personnel, 1 QPWS mulcher with 1 personnel, and 1 QPWS dozer with 1 personnel.

2. Issues

- There are multiple fire fronts, including one which is currently 2.0 kilometres east from Kingfisher Bay Resort and Village (KBRV). QFES actively attacked the fire with water bombing aircraft to reduce the fire's intensity and rate of spread whilst also looking at opportunities to improve access for ground crews in an effort to contain the fire.
- Aerial support has been instrumental in assisting ground crews in reducing the fire intensity and rate of spread, which has slowed significantly in the last 72 hours.
- The Large Aerial Tanker (LAT) has undertaken over 22 drops on this incident to date.
- On Friday 4 December 1,050 million litres of water and suppressant was dropped on the fire.
- Machinery operations continue to upgrade Cornwells Road between Kingfisher and Leading Hill. Separate machines are upgrading the road East along Cornwells Road. The condition for that side of the road is suitable for backburning this evening.
- Crews have been building containment lines [redacted] Significant cultural information - Butchulla people - Butchu A 30 metre area cleared as well as mineral earth break to walking tracks.

- Predictive analysis is being conducted for a variety of plausible scenarios for this fire front. This modelling will be continually reviewed and updated with the latest weather forecasts and fire spread observations to inform decision making.
- Aircraft taskings for continued fire suppression are being prepared for approval for early operations on Saturday morning. There are 17 aircraft attached to the K'gari (Fraser Island) Fire. This includes:
  - 5 Fire Boss (amphibious aircraft)
  - 5 Fixed Wing Bombers
  - 2 Helitak Bombers
  - 2 Air Attack platforms
  - 1 Air Observation platform
  - 1 Large Air tanker
  - 1 LAT Lead plane
- There are an additional 16 aircraft on standby today, if needed.
- 'Valley of the Giants' – Significant cultural information - Butchulla people
  The fire continues to burn at a low intensity through the duff layer and is expected to emerge to the east soon. The fire will be monitored [redacted] will be targeted by water bombing aircraft to protect them where possible and as required.
- Rainbow Beach ICC will relocate to Maryborough ICC (located at QFES complex, Howard) today, Saturday 5 December 2020, operational hours from 0800hrs.
- Assistant Commissioner Gary McCormack, NCR, contacted Mr Tom Smith MP, Member for Bundaberg and Councillor George Seymour, Mayor of Fraser Coast Regional Council to provide an update regarding the fire.
- Assistant Commissioner Gary McCormack also contacted and left messages for Mr Bruce Sanders MP, Member for Maryborough and Mr Adrian Tantari MP, Member for Hervey Bay.

3. Remedial Action

Air Operations

- Air operations planning is continuous.
- The predicted weather conditions for Sunday and Monday may inhibit air operations being conducted on these days.
- Increased aerial waterbombing and suppression will be conducted over the coming days to reduce intensity and rate of spread prior to the deteriorating weather conditions.
- Concurrently, through the use of heavy plant, QFES is endeavouring to identify and construct containment and fall back positions for future use.
- Since Saturday 28 November 2020 and Friday 4 December 2020, a total of 3,914,200 litres of combined suppressants had been dropped; with 1,050,000 litres delivered on Friday 4 December 2020.

Bushfire Community Warnings

- Several Community Bushfire Warnings were issued throughout the day, with the below being current, as the time of this brief:
  - A 'Watch and Act' community warning was issued at 5.45pm Friday 4 December 2020 for Kingfisher Bay Resort and Village to prepare to leave, instructing that the situation could get worse quickly.

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- An ‘Advice’ community warning was issued at 10.20pm Friday 4 December 2020 for K’gari (Fraser Island) to stay informed, instructing to keep up to date and decide what actions to take if the situations changes.

4. Recommendation

- That you note the contents of this brief.

Brian Cox
STATE CO-ORDINATOR

5 / 12 / 2020

Greg Leach
COMMISSIONER

/ /
Noted

Attachment A: QFES Air Operations Air Drop Report

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Subject: K'gari (Fraser Island) Fire Update as at 0700hrs Saturday 5 December 2020	
Requested by: Jane Houston, Chief of Staff to the Commissioner, Queensland Fire and Emergency Services	
To: Commissioner, Queensland Fire and Emergency Services	
Date: 5 December 2020	**MinCor #:** xxxx-xxxx **RecFind #:**

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RTI Act 2009

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4. Recommendation

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Brian Cox
STATE CO-ORDINATOR

5 / 12 / 2020

Greg Leach
COMMISSIONER

/ /
Noted

Attachment A: QFES Air Operations Air Drop Report

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RTI Act 2009

Date : 27/11/2020 12:49:13 PM
From : "KLAASSEN Ben"
To : "CAMBOURN Neil" , "DAVIDSON Brent" , "HEAD Damien" , "CUBIS Mick"
Subject : RE: Fraser Island multi-agency talking points
Attachment : image001.png;image012.png;image013.png;image002.png;image007.jpg;image008.png;image009.png;image010.png;

Hi all

Just spoke with Mike Wassing at QFES and they are making the call to stop visitors heading over from tomorrow. Last barge tonight will be the closure.

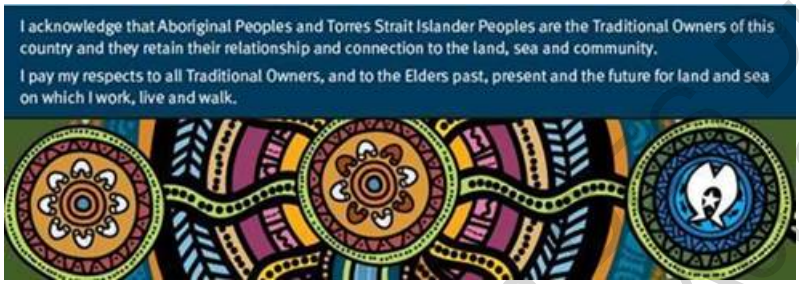
Mike asked us to be prepared to message VAP holders and camping bookings.

Likely to be announced in 1:30 media conference.

I believe those on the Island are not impacted.

Regards
Ben

Ben Klaassen
Deputy Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7538 | **M** Personal in | **E** ben.klaassen@des.qld.gov.au
Level 5, 400 George St, Brisbane QLD 4000
PO Box 15187, CITY EAST QLD 4002



From: CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>
Sent: Friday, 27 November 2020 12:19 PM
To: DAVIDSON Brent; HEAD Damien; KLAASSEN Ben
Subject: RE: Fraser Island multi-agency talking points

Thanks Brent appreciated.

Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7518 **M** Personal inf
Level 5, 400 George Street, Brisbane QLD 4000

From: DAVIDSON Brent <Brent.Davidson@des.qld.gov.au>
Sent: Friday, 27 November 2020 12:17 PM
To: CAMBOURN Neil; HEAD Damien; KLAASSEN Ben
Subject: RE: Fraser Island multi-agency talking points

Thanks Neil, just got to talk to Ben about the developments as well. I've been liaising with my counterpart over at QFES most of the morning so we'll continue to feed our messaging through to them. We've been deferring requests for interviews to them. Will just keep an eye on what's happening with the island and the flow on effect to camping bookings etc.

From: CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>
Sent: Friday, 27 November 2020 12:14 PM
To: HEAD Damien; DAVIDSON Brent; KLAASSEN Ben
Subject: RE: Fraser Island multi-agency talking points

Thanks Brent,

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Just a heads up that QFES have this morning formally taken lead with the K'Gari fire.
The fire is still relatively stable and poses no imminent threat to life and property, however conditions on the island in the last 24 hours have not matched BOM predictions, and predicted wind changes and higher temperatures are arriving sooner than they previously forecast.
In light of this new development I have amended some content in the messaging below, noting that QFES will now be formal lead for media.

Regards Neil

Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7518 M Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: HEAD Damien <Damien.Head@des.qld.gov.au>
Sent: Friday, 27 November 2020 9:38 AM
To: DAVIDSON Brent; KLAASSEN Ben; CAMBOURN Neil
Subject: RE: Fraser Island multi-agency talking points

Brent.

Support messaging.

From: DAVIDSON Brent <Brent.Davidson@des.qld.gov.au>
Sent: Friday, 27 November 2020 9:24 AM
To: KLAASSEN Ben; CAMBOURN Neil; HEAD Damien
Subject: Fraser Island multi-agency talking points
Importance: High

Good morning Ben, Neil & Damien

QFES, supported by DPC, are providing a document every morning from tomorrow with talking points from agencies involved in the K'gari response (So them, us & Qld Ambulance re smoke). I've attached the template here. They report at 6am but will mostly get stuff together by COB the night before. Was just wanting to set up a very quick process whereby I get a sitrep (just a quick phone call with perhaps Mick or Marc) late arvo to see if I need to change anything before they're locked in at COB. Any changes would be still need to be approved by one of you. Unless something changes dramatically overnight sort of before 5am, those talking points will go out with the other agencies' unchanged from the COB version.

Below are some TPs based on the release from Wednesday, fleshed out a bit to make it conversational. If endorsed, this is what we will provide at COB for tomorrow morning's TPs. The only bit I'm unsure of is if the bit in yellow is still accurate. It seems to be from Park Alerts but I can check with Mick or Marc if you're happy with the rest?

- Before heading over to Fraser Island, campers and visitors to the island are being advised to double check our Park Alerts for up-to-date information on the areas you are planning to visit.
- You can access these alerts, which are updated regularly, by visiting www.qld.gov.au/parkalerts or by following us on Twitter at @QldParkAlerts.
- Importantly, we ask everyone visiting the island to look out for any signage and listen to and comply with any instructions from rangers or emergency services personnel.
- The current fire is a dynamic situation, and while it is not currently presenting any threats to life and property, visitors are being asked to remain alert to the potential for any change in conditions.
- While many popular spots on the island remain open, campgrounds such as Dundabura and some eastern beach camp sites as well as access tracks in the middle of the island and the west coast are closed as a safety precaution.
- These closures not only protect the public but assist crews in undertaking important containment and suppression operations.
- As always, our top priority is the safety of people on the island and the protection of property.
- Our highly-skilled firefighting crews are well prepared and well-resourced and are working hard on the fire ground.
- The community can be assured that QPWS, QFES and our partner agencies are doing everything necessary to fight this fire.

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Happy to discuss

Brent

Brent Davidson
Media Manager
Media Unit | Corporate Communications
Department of Environment and Science

Chat with me on teams **M** Personal info
E brent.davidson@des.qld.gov.au
Visit the Environment Media Centre
Visit us on Twitter

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RTI Act 2009

Date : 3/12/2020 2:57:39 PM
From : "CAMBOURN Neil"
To : "CUBIS Mick" , "BUCKLEY Andrew" , "KLAASSEN Ben" , "HEAD Damien" , "HARRIS Leigh" , "SPINKS Troy" , "Media DES"
Cc : "DARGUSCH Marc"
Subject : RE: Moving locations - IMT
Attachment : image001.png;image002.png;image003.png;image004.jpg;

Thanks Mick, I thought this might be the case, Gary McCormack floated it yesterday as an option. It aligns better with their District and Local Disaster Management group participation.
Hervey Bay and Maryborough were also considered, but they needed space and government IT and comms etc.
For our logistics it probably is a bit easier to transition IMT crews in and out by flight to Fraser Coast airport, which is about half hour drive, but we may need some hire cars or non-essential QGs that can move backwards and forwards.
We will still need to maintain the staging area at Rainbow for fire crews to come and go to the island as well, but Marc is across all that too.

Neil

Neil Cambourn
Executive Director
Queensland Parks and Wildlife Service
Department of Environment and Science
P 07 3199 7518 **M** Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: CUBIS Mick <Mick.Cubis@des.qld.gov.au>
Sent: Thursday, 3 December 2020 2:47 PM
To: CAMBOURN Neil; BUCKLEY Andrew; KLAASSEN Ben; HEAD Damien; HARRIS Leigh; SPINKS Troy; Media DES
Cc: DARGUSCH Marc
Subject: Fwd: Moving locations - IMT

Hi all, fyi, IMT moving to Howard fire station on Friday evening.

Sent from my iPhone

Begin forwarded message:

> **From:** DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>
> **Date:** 3 December 2020 at 2:10:45 pm AEST
> **To:** CUBIS Mick <Mick.Cubis@des.qld.gov.au>
> **Subject: FW: Moving locations - IMT**
>
> Hi Mick – for your info and for briefing above. This was a QFES/FCRC call.
>
> Ta, M
>
> ---
>
> **From:** WRIGHT Michelle <Michelle.Wright@des.qld.gov.au>
> **Sent:** Thursday, 3 December 2020 1:16 PM
> **To:** CIR Fire Team; EDMED Greg; FROST Carly; BARRACLOUGH Emma; LAYFIELD Wayne; CONNOR Nathan; SEELEITHER Jamie; DARGUSCH Marc
> **Cc:** MCRAE Moyra; JENKINSON Kay; EZZY Lea
> **Subject:** Moving locations - IMT
>
> Hi
>
> Please be advised that the IMT location is moving from Rainbow Beach to Howard Fire Station, Corner of William and Thomas Streets.
>
> Last day in Rainbow is Fri 4 December. Travel up Friday night. First day in Howard is Sat 4 December.
>
> Thanks,
>
> Michelle
>
>
> **Michelle Wright**
> Regional Compliance Coordinator
> Senior Conservation Officer | Technical Support (Compliance)
> **Coastal and Islands Region**
> **Queensland Parks and Wildlife Service and Partnerships**
> Department of Environment and Science
> **P** (07) 4302 8570
> **M** Personal inf
>

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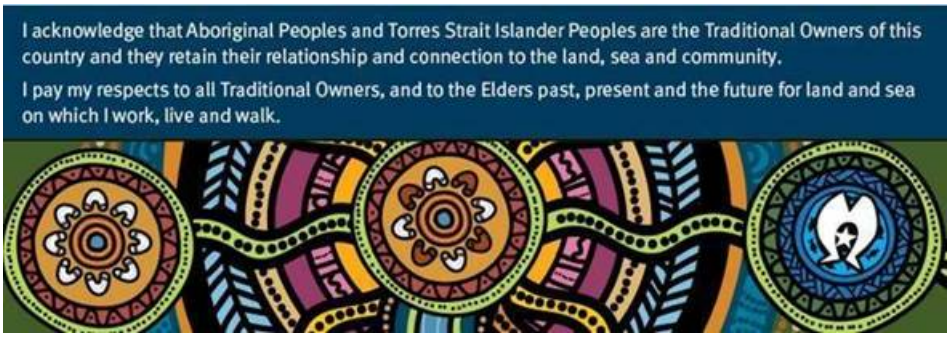
102 Lennox Street MARYBOROUGH QLD 4650 | PO Box 101 MARYBOROUGH QLD 4650
www.des.qld.gov.au
Work days: Monday – Thursday



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Date : 28/11/2020 5:17:06 PM
From : "CAMBOURN Neil"
To : "james.haig" , "Gary McCormack" , "HEAD Damien" , "KLAASSEN Ben" , "WATSON Matthew" , "CUBIS Mick"
Cc : "BROOK Scott" , "John Pappas"
Subject : RE: QPWS closures plan for staged closures on Fraser Island central area
Attachment : Duling_WF_CLOSURE_planning_28112020_1200.docx;image002.png;image004.jpg;image001.png;

Thanks James, the strategy is endorsed by QPWS as a sound safety management strategy and we support IC decision to implement and/ or adjust as deemed necessary as conditions evolve.
I have provided some recommendations for consideration in comments in the doc – mainly to be clear about what we are closing (for key messages) to avoid any confusion.
Mick can you please arrange the necessary Park Alerts in line with IMT directions at each stage and seek clearance of wording from IC (again to ensure consistent messaging).

Regards Neil

Queensland Government

Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7518 **M** Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: james.haig <james.haig@qfes.qld.gov.au>
Sent: Saturday, 28 November 2020 4:14 PM
To: Gary McCormack; HEAD Damien
Cc: BROOK Scott; CUBIS Mick; CAMBOURN Neil; John Pappas
Subject: QPWS closures plan for staged closures on Fraser Island central area

Please find attached the proposed staged closures for these tracks and campgrounds. These have been prepared by QPWS staff embedded within our joint IMT and approved by Deputy IC Scott Brook. This QPWS process reflects the authorising environment required to implement and the defined responsibilities within the IMT.

I endorse the attached proposals and confirm that they align with overall incident planning and have been informed by fire behaviour predictive modelling and other intelligence within our joint IMT.

I would also reiterate the comments that the tracks are becoming increasingly difficult to traverse and bogging of vehicles is a real issue.

We will reassess stage 2 triggers as new intelligence such as updated weather forecasts and predictive modelling is completed.

Once approved by QPWS as the authorising agency please advise me directly and I will update any public messaging as required.

Regards

James Haig

Incident Controller.

James Haig
Superintendent
Executive Manager Bushfire Mitigation
Office Of Bushfire Mitigation, Rural Fire Service
Queensland Fire and Emergency Services
P 07 3635 3883 **M** Personal info

Rural Fire Service Queensland | Queensland Fire and Emergency Service | Queensland Government

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Fraser island closure planning 28/11/2020 – 15:00 PM

Rainbow Beach IMT - QPWS planning – Jack Hargreaves

NOTE: this plan covers the QPWS run divisions of the Duling W/F only.

IAP Context:

Priority remains the protection of life and property – particularly the communities of KBVR and Happy Valley (under control of Deputy IC Asset Protection).

Fire control lines remain difficult to traverse due to dryness of the sand. Visitor and fire crew welfare is to be considered in all movements around the island.

Control of fire across the landscape is unlikely for the next 5 days (fire weather). Mitigation of impact will be likely best outcome.

Key Fire update points of note;

1. No significant change from yesterday.
2. Closure planning is well advanced and due for IC approval at 12pm today. In short;
    a. Trigger point is the loss of fire across the Smith Poyungan fire control line.
    b. This will trigger closure of Kingfisher Bay Resort and implementation of the park closure plan involving the sweeping of remaining roads and visitor nodes south to Wanggoolba Track.
    c. Full detail in final plan.
3. With pending conditions and all associated complications, fire containment is unlikely for the next five days.
    a. We are focussing upon impact mitigation, rather than high risk containment actions with limited chance of success.
    b. Western Division maintains the fire north of the Smith Poyungan Fire control line.
    c. Eastern Division is planning mitigation actions to reduce impact as the fire moves south along east coast over next five days.
4. We recognise the importance of recovery.
    a. We are using local resources to inspect and prepare suitable sites for re-opening.
    b. We want to enter discussions with QPWS management on Monday about Bushfire Rapid Assessment processes to start informing the impact of the fire.
        i. I suspect that while broadscale, intensity mapping will show the impact to be less than a single fire extent polygon will indicate.
5. We were recently informed of one small structure burned 8km north of KFB. Investigations underway to find out what that was and associated implications.

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STAGE 1: Immediate actions for implementation as of 24:00 28/11/2020

- Close all internal tracks to non-emergency vehicles – leaving the coast. So all tracks heading off the beach and onto the island north of Eurong.
    - This includes closing immediately Lake McKenzie, and all tracks leaving Eurong and Kingfisher to all non-emergency service vehicles.
    - Vehicles currently on these tracks are okay to leave, but no new vehicles to enter this area.
- Wanggoolba to Eurong will REMAIN OPEN under stage 1.
- Central Station Campground – all campers encouraged to leave now but Central Station campground will be closed as of.

Commented [CN1]: Please be specific about this as North of Eurong in any messaging if visitors can still access southern lakes drive as an alternative to Lake Mackenzie – ie Lake Birrabeen, Boomanjin etc

Commented [CN2]: Incomplete sentence?

Key steps to execute this plan –

- QPWS staff to engage with visitors at Central Station
- Police to work with QPWS to execute closures
- QPWS to organise Park alert system with current information

STAGE 2: The trigger point to initiate stage 2 is the fire crossing the Smith-Poyungan track.

When the trigger point is reached, the following immediate action to commence;

- QFES to manage Kingfisher Bay per arrangement with KBRV management.
- Evacuate/Remove all remaining campers from Central Station (hopefully non left)
- Close from Eurong to Wangoolba Creek Rd North inland tracks on Fraser Island.
- No traversing of the island is to occur to meet ferry bookings – safest exit only.

Commented [CN3]: Provide a little extra clarity here please specifically that it's KBRV and Wanggoolba barge landings, as Hook Point would remain the primary exit route at the moment?

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Risk analysis background supporting decision;

- Significantly degraded track conditions across the island making it difficult to leave central camping area quickly.
- There are key tracks in the area that are one-way only, and currently in a very poor condition.
- Most campers at Central station have large camping set ups and are usually longer-term visitors. This means their camping set ups and/or families which means that they have generally significantly bigger set ups and will require more time to evacuate the area.
- Predictive modelling suggests the fire will take at least 3 days after crossing the Smith-Poyungan Road before it would impact Central Station.
- Vehicle traffic on the internal road network of the island is contributing to their degraded state and is increasing risk to emergency service who will rely on the road network
- There are no key landscape features, fuel type or fire scars to prevent, slow or restrict fire spread beyond the Smith-Poyungan Road
- Some visitors will have ferries booked on the opposite of the island and will attempt to cross the island to keep their booking.
    - This is a risk that needs to be managed with QPS.

Commented [CN4]: Again please be specific to KBRV and Wanggoolba barges ie west coast.

Commented [CN5]: Is it worth checking with sealink (KBRV) if they would consider repositioning their barge to hook point/ inskip if we close access to west coast to assist with moving their bookings off that way and assisting with any further evacuations? There may be some technical permit landing issues with this but I think we can get around that under the circumstances. Let us know if you would like us to qualify that as a possibility.

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Date : 4/12/2020 7:36:25 AM
From : "Gary McCormack"
To : "CAMBOURN Neil" , "james.haig" , "SPINKS Troy"
Cc : "KLAASSEN Ben"
Subject : RE: Some intelligence information for Fraser Islnd North End Bushfire
Attachment : image004.jpg;image005.jpg;image007.png;image010.jpg;image001.png;image002.png;

Good morning Neil,

I Personal information have no personal recollection, however, aircraft usage is recorded through the QFES State Air Unit who will be represented in the SOC.

Regards,

Gary McCormack
Assistant Commissioner, North Coast Region
Queensland Fire and Emergency Services

P: 07 4122 0302 **M**: Personal infor
gary.mccormack@qfes.qld.gov.au
www.qfes.qld.gov.au

Respect | Integrity | Courage | Loyalty | Trust

From: CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>
Sent: Friday, 4 December 2020 7:32 AM
To: Gary McCormack <Gary.McCormack@qfes.qld.gov.au>; James Haig <James.Haig@qfes.qld.gov.au>; SPINKS Troy <Troy.Spinks@des.qld.gov.au>
Cc: KLAASSEN Ben <Ben.Klaassen@des.qld.gov.au>
Subject: FW: Some intelligence information for Fraser Islnd North End Bushfire

Morning gents, there has been a call from Premier's this morning re the CourierMail articles seeking clarification on the timing of use of the LAT (specifically).
Our understanding based on the advice below was that we were doing a LAT run on 20 October, did we do that one?
For clarity for DPC this morning and informing estimates next week, could we please have a copy of the water drop records from the start of the fire?
Troy is at SOC so may be able to assist with collating information for us.

Many thanks, Neil

Neil Cambourn
Executive Director
Queensland Parks and Wildlife Service
Department of Environment and Science
P 07 3199 7518 **M** Personal infc
Level 5, 400 George Street, Brisbane QLD 4000

From: CAMBOURN Neil
Sent: Thursday, 3 December 2020 9:02 AM
To: MERRICK Jamie; KLAASSEN Ben
Subject: FW: Some intelligence information for Fraser Islnd North End Bushfire

Jamie, as discussed the first LAT application was 20 October, and the cooperative nature of QFES working with us in support is evident in these comms.

Neil Cambourn
Executive Director
Queensland Parks and Wildlife Service
Department of Environment and Science
P 07 3199 7518 **M** Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: James Haig <James.Haig@qfes.qld.gov.au>
Sent: Tuesday, 20 October 2020 11:44 AM
To: CAMBOURN Neil
Cc: Michael Wassing; John Bolger
Subject: Some intelligence information for Fraser Islnd North End Bushfire

Hi Neil, please find attached some information on the Fraser Island Fire. To give some clarity the attachments are (in order):

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- A Fire Behaviour Snap Report Fire Behaviour Summary prepared by QFES Predictive Services Unit prepared this morning which covers some of the key fire behaviour parameters. The report runs until Friday.
- A site specific weather forecast from the Bureau of Meteorology from Yesterday but also covering today. I understand an updated forecast has also been requested for preparation today. Please be aware
  That during the conversation with the senior meteorologist at the BoM, PSU was informed that the SE wind change originally forecast for later this morning in the yesterday s forecast arrived early to the fire ground this morning (I understand it may have been by 06:00 but not sure. This is good as it will reduce the westerly spread of the fire towards Orchid Beach.
- A copy of a the fire mapping from QFES mapping system (TOM) from this morning.

Additionally, as discussed over the phone, QFES will be undertaking a Large Air Tanker water drop on the fire this morning in coordination with the ground incident management. This is a regular testing run for the DASH 8 size aircraft based at Bundaberg.

I do not know whether the Incident Control Team has requested a detailed Phoenix fire prediction but, should this be required, it can be done through the QFES liaison in the IMT or direct. Certainly QFES Predictive Services Unit is very happy to support such predictive planning that the IMT requests. I understand that there has been liaison with this unit already on this fire although a full prediction may not have been done, if desired this can be done by IMTs (including QPWS only IMTs) by calling 3635 1808.

Regards

James

James Haig
Superintendent
Executive Manager Bushfire Mitigation
Office Of Bushfire Mitigation, Rural Fire Service
Queensland Fire and Emergency Services
P 07 3635 3883 **M** Personal infor

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Queensland Fire and Emergency Services

P: 07 4122 0302 **M**: Personal info
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James Haig
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Cheers Gary, many thanks.

Neil Cambourn
Executive Director
Queensland Parks and Wildlife Service
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gary.mccormack@qfes.qld.gov.au
www.qfes.qld.gov.au

Respect | Integrity | Courage | Loyalty | Trust

From: CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>
Sent: Friday, 4 December 2020 7:32 AM
To: Gary McCormack <Gary.McCormack@qfes.qld.gov.au>; James Haig <James.Haig@qfes.qld.gov.au>; SPINKS Troy <Troy.Spinks@des.qld.gov.au>
Cc: KLAASSEN Ben <Ben.Klaassen@des.qld.gov.au>
Subject: FW: Some intelligence information for Fraser Islnd North End Bushfire

Morning gents, there has been a call from Premier's this morning re the CourierMail articles seeking clarification on the timing of use of the LAT (specifically).
Our understanding based on the advice below was that we were doing a LAT run on 20 October, did we do that one?
For clarity for DPC this morning and informing estimates next week, could we please have a copy of the water drop records from the start of the fire?
Troy is at SOC so may be able to assist with collating information for us.

Many thanks, Neil

Neil Cambourn
Executive Director
Queensland Parks and Wildlife Service
Department of Environment and Science
P 07 3199 7518 **M** Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: CAMBOURN Neil
Sent: Thursday, 3 December 2020 9:02 AM
To: MERRICK Jamie; KLAASSEN Ben
Subject: FW: Some intelligence information for Fraser Islnd North End Bushfire

Jamie, as discussed the first LAT application was 20 October, and the cooperative nature of QFES working with us in support is evident in these comms.

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Neil Cambourn
Executive Director
Queensland Parks and Wildlife Service
Department of Environment and Science
P 07 3199 7518 **M** Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: James Haig <James.Haig@qfes.qld.gov.au>
Sent: Tuesday, 20 October 2020 11:44 AM
To: CAMBOURN Neil
Cc: Michael Wassing; John Bolger
Subject: Some intelligence information for Fraser Islnd North End Bushfire

Hi Neil, please find attached some information on the Fraser Island Fire. To give some clarity the attachments are (in order):

- A Fire Behaviour Snap Report – Fire Behaviour Summary prepared by QFES Predictive Services Unit prepared this morning which covers some of the key fire behaviour parameters. The report runs until Friday.
- A site specific weather forecast from the Bureau of Meteorology from Yesterday but also covering today. I understand an updated forecast has also been requested for preparation today. Please be aware
  That during the conversation with the senior meteorologist at the BoM, PSU was informed that the SE wind change originally forecast for later this morning in the yesterday's forecast arrived early to the fire ground this morning (I understand it may have been by 06:00 but not sure. This is good as it will reduce the westerly spread of the fire towards Orchid Beach.
- A copy of a the fire mapping from QFES mapping system (TOM) from this morning.

Additionally, as discussed over the phone, QFES will be undertaking a Large Air Tanker water drop on the fire this morning in coordination with the ground incident management. This is a regular testing run for the DASH 8 size aircraft based at Bundaberg.

I do not know whether the Incident Control Team has requested a detailed Phoenix fire prediction but, should this be required, it can be done through the QFES liaison in the IMT or direct. Certainly QFES Predictive Services Unit is very happy to support such predictive planning that the IMT requests. I understand that there has been liaison with this unit already on this fire although a full prediction may not have been done, if desired this can be done by IMTs (including QPWS only IMTs) by calling 3635 1808.

Regards

James

James Haig
Superintendent
Executive Manager Bushfire Mitigation
Office Of Bushfire Mitigation, Rural Fire Service
Queensland Fire and Emergency Services
P 07 3635 3883 **M** Personal info

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Date : 26/11/2020 6:35:11 PM
From : "KLAASSEN Ben"
To : "CAMBOURN Neil"
Cc : "MERRICK Jamie" , "HEAD Damien"
Subject : RE: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident
Attachment : image001.png;image002.png;image004.jpg;image009.png;image010.png;

Hi

I have had a call back from Mike Wassing.

His advice from QFES is that no decision has been made the incident is Level 3 from anyone in the appropriate chain of command. It may be a view at the local level but not signed off at the correct authorisation.

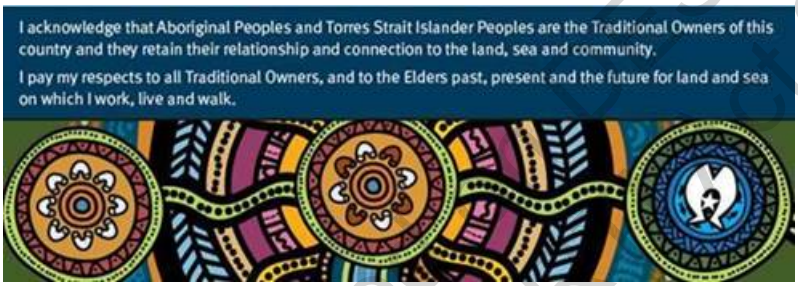
He was happy for it to be discussed at tomorrow's briefing so we get clarity.

As such QPWS remains IC until tomorrow.

Mike also advised he will be doing media tomorrow for Statewide fire update which will include K'Gari fire.

Regards
Ben

Ben Klaassen
Deputy Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7538 | **M** Personal info | **E** ben.klaassen@des.qld.gov.au
Level 5, 400 George St, Brisbane QLD 4000
PO Box 15187, CITY EAST QLD 4002



From: CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>
Sent: Thursday, 26 November 2020 3:50 PM
To: KLAASSEN Ben
Subject: FW: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Hi Ben,
Please see below for consideration/ discussion.

Neil

Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7518 **M** Personal info
Level 5, 400 George Street, Brisbane QLD 4000

From: SPINKS Troy <Troy.Spinks@des.qld.gov.au>
Sent: Thursday, 26 November 2020 3:44 PM
To: CAMBOURN Neil; HEAD Damien
Cc: HARRIS Leigh
Subject: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident

Neil and Damien,

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RECOMMENDATION: The Assistant Director General (or above) formally recommend transfer of control of the Duling Fire on K'gari (Fraser Island) from QPWS to QFES, as it has now been **identified by QFES as a Level 3 incident**

BACKGROUND:

- IC Nathan Connor met with QFES late this morning, and QFES advised that they consider the incident to be a Level 3 but as a landscape fire predominantly on QPWS estate, that QPWS maintains control.

- QFES have provided extra support to the IMT, including a deputy IC to ensure coordination between Departments. Nathan is currently engaged in trying to resolve the issues associated with the expanding IMT, including their operating location.

- Under the Qld Bushfire Plan, QFES is responsible for Level 3 incidents:

  " A level 2 incident will also be managed by QPWS unless human life or property is threatened, or the bushfire is likely to progress beyond QPWS managed land, in which case the responsibility for the bushfire will be transferred to QFES (as will a level 3 incident). For level 2 and 3 incidents, QPWS will continue to coordinate with QFES to maintain an effective response."

- The Qld Bushfire Plan doesn't describe '*landscape*' fire in roles and responsibilities - it describes fire level and the roles and responsibilities of organisations at the respective level of incident.

- As the matter of hand over to QFES has not progressed at the incident and Regional level it is appropriate to escalate concern that QPWS is still controlling a Level 3 incident beyond the trained capability of QPWS staff and inconsistent with the Qld Bushfire Plan.

- QFES Regional staff have been advised at the Assistant Commissioner level that the Duling Fire is to remain as QPWS control as it is still considered a landscape fire.

- Given this level of direction and engagement within QFES, it is recommended that we (QPWS) engage QFES at this level (Assistant Commissioner) to change the current paradigm of incident control.

For urgent consideration and progression

Regards,

Queensland Government

Troy Spinks
Director, Technical Services
Queensland Parks and Wildlife Service and Partnerships | Park Services Branch
Department of Environment and Science
M Personal info
Gold Coast Area Office, Kabool Rd, WEST BURLEIGH QLD 4219
PO Box 3454, Burleigh Town LPO, BURLEIGH HEADS QLD 4220

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Date : 27/11/2020 10:43:25 AM
From : "KLAASSEN Ben"
To : "CAMBOURN Neil"
Cc : "MERRICK Jamie" , "HEAD Damien"
Subject : RE: URGENT: Escalation of Duling K'Gari Fire to Level 3 Incident
Attachment : image001.png;image003.png;image005.jpg;image006.png;image007.jpg;image008.png;image011.png;

Hi Neil

As discussed Mike Wassing has confirmed that QFES will take Incident Control of the fire with James Haig to step in. We have been asked to remain as Deputy IC and I agreed Scott would be available for that.

Thanks
Ben

Ben Klaassen
Deputy Director-General
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3199 7538 | **M** Personal Info | **E** ben.klaassen@des.qld.gov.au
Level 5, 400 George St, Brisbane QLD 4000
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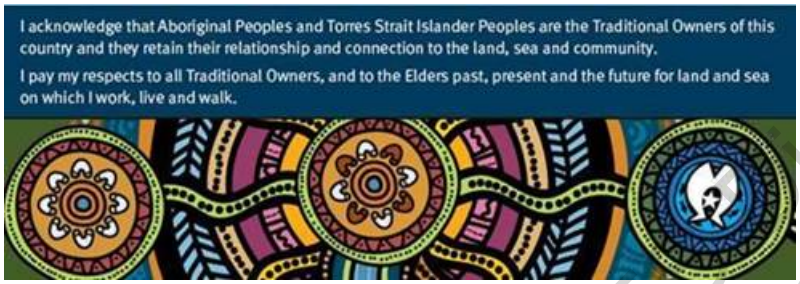

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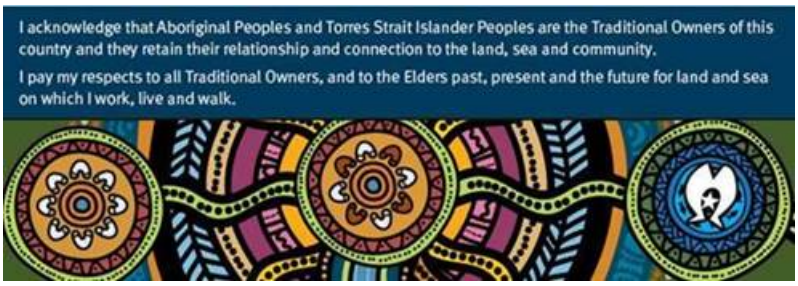

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Neil Cambourn
Assistant Director-General
Queensland Parks and Wildlife Service and Partnerships
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