

Date : 20/11/2020 12:01:16 PM

From : "HEAD Damien"

To : "CUBIS Mick"

Subject : RE: 0900 Sit Rep

Attachment : image001.jpg;

I think that is a good plan. Now is the time. Everything is in their favour. All back burning ops will be with the wind and coming off having a little moisture.

From: CUBIS Mick <Mick.Cubis@des.qld.gov.au>

Sent: Friday, 20 November 2020 11:32 AM

To: KLAASSEN Ben; HEAD Damien; CAMBOURN Neil

Cc: DAVIES Matt; DARGUSCH Marc

Subject: FW: 0900 Sit Rep

Hi all, sitrep attached.

Main focus for today is:

South-west (Moon Point - Yidney Scrub):

Maintain/keep fire north of Moon Point Road.

Reduce current fire activity north of Moon Point road with **Rotary Aircraft water bomber**.

Strengthen Moon Point firebreak with machinery contractors **Significant cultural information**

Implement back burn along Moon Pt Road from Puthoo Haul Road to tie off point within Yidney Scrub. Anticipated to commence this evening and be completed by tomorrow night. Light up will be **supported by waterbombing aircraft during daylight hours today and tomorrow.**

Also, note **waterbombing** was conducted yesterday to reduce active fire near Boomerang lakes — this effort extended the Moon Point Road impact time.

Mick Cubis

Regional Director, Coastal and Islands Region

GBRMC | 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: Friday, 20 November 2020 11:16 AM

To: CIR Fire Team; DARGUSCH Marc; CUBIS Mick; BLACKMAN Boyd; HARVEY Peter

Cc: DARGUSCH Anthony; TAPPLY Jenna; BULLEY Graeme; Peter.Roberts2@qfes.qld.gov.au

Subject: RE: 0900 Sit Rep

Sorry all.

Here it is.

Matt

Matt Davies

Senior Project Officer – Technical Support

Coastal and Islands Region | 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: DAVIES Matt

Sent: Friday, 20 November 2020 11:02 AM

To: CIR Fire Team; DARGUSCH Marc; CUBIS Mick; BLACKMAN Boyd; HARVEY Peter

Cc: DARGUSCH Anthony; TAPPLY Jenna; BULLEY Graeme; Peter.Roberts2@qfes.qld.gov.au

Subject: 0900 Sit Rep

Hi all,

0900 Sit Rep from Duling WF.

Matt

Matt Davies

Senior Project Officer – Technical Support

Coastal and Islands Region | 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



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Date : 19/10/2020 8:07:30 AM
From : "HEAD Damien"
To : "CUBIS Mick", "DARGUSCH Marc"
Subject : RE: Duling CZ fire update 8.49am 18Oct2020

I am not overly supportive of waterbombing mainly because I don't think you could put it out in a swamp. And if you could, well the fire isn't that bad to warrant such action.

I do see the winds turn northerly again mid week. Rain/showers on weekend.

From: CUBIS Mick <Mick.Cubis@des.qld.gov.au>
Sent: Sunday, 18 October 2020 3:41 PM
To: DARGUSCH Marc
Cc: BARRACLOUGH Emma; EDMED Greg; MACDONALD Stirling; HARVEY Peter; HEAD Damien
Subject: Re: Duling CZ fire update 8.49am 18Oct2020

Thanks Marc and all, great work as usual and appreciate the effort. We will need to keep a close eye on the situation and review requirements. Keen to discuss further options regarding the plan going forward.

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

On 18 Oct 2020, at 3:21 pm, DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au> wrote:

Hi Mick – In managing the current wildfire situation the following have been put in place:

- Camp zone 8 has been closed to further camping bookings. Note that Camp zone 8 includes Duling CZ (+ cleared of campers); Ocean Lake CZ (+ cleared of campers) and Marloo CZ (some campers still in this zone as it is outside of the 'burn zone' and should stay that way, although monitoring occurring).
- Wathumba camping area has been closed to further bookings (+ cleared of campers)..
- The Platypus Bay Track and the Wathumba Track have been closed to the public at the Orchid Beach end of both tracks.

The latest work that has been undertaken by the PC Cooloola includes:

- Park Alert processed to reflect closures.
- Wathumba camping area closed to bookings until 18/11/2020
- Wathumba campers 18/10/20 to 02/11/20 sent bulk SMS and emails to advise of closures.
- Wathumba campers for next three days (18-20/10/2020) also contacted verbally by phone to advise closures and discuss options (spreadsheet attached).
- Printed park alert to Sven, Rainbow and Great Sandy Info Centres.

Regards, Marc

From: CUBIS Mick <Mick.Cubis@des.qld.gov.au>
Sent: Sunday, 18 October 2020 2:56 PM
To: DARGUSCH Marc
Cc: HEAD Damien
Subject: Re: Duling CZ fire update 8.49am 18Oct2020

I would think waterbombing with salt water should be reserved for a critical situation, which we aren't at yet. **Agreed.** I know there have been concerns raised previously with the salt impacts on vegetation but I'm not sure how much of an issue this actually is. **It would be very worthwhile if there was a state-wide stance on this as it seems this question only pops up whilst we are in the thick of attempting to fight a wildfire. I'll flag with Stirlo for progress by TS-Fire but, I'm sure we aren't the only region that would ask this question ☺**

As previously mentioned I'm happy to look at options but would need to know costs **A way from this yet** and have some level of certainty of its effectiveness **We will have to rely on feed from QFES RE:effectiveness**, as opposed to relying on the effectiveness of the protection burns around orchid beach. I think your last suggestion is worth exploring, ie they pay for it. **I do too, not sure from their side.**

Thanks

Mick Cubis
Regional Director
20-299

On 18 Oct 2020, at 11:50 am, DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au> wrote:

No probs Mick.

I've engaged with both SR K'gari and QFES in detail this morning. Plenty of digging going on within both teams to come up with successional planning to deal with wildfire in a way that meets both party's needs. This will come together later this arvo as we will then be able to tip greater knowledge of fire behaviour under northerly influence.

One point that came out of my interaction with QFES:

- QFES wanting us to consider use of waterbombing fixed wing aircraft (salt capable). I said I would run this past you to gauge Exec thoughts re:cost/environment/cultural issues.
 - The air resources (referred to above) are currently sitting at Toowoomba but could be put on stb. at Hervey Bay Airport.
 - I'm not sure that we need this level of resource given the good preparatory work around Orchid Beach township but QFES have flagged concern about ember attack of Orchid Beach township
 - QFES intend reviewing Orchid Beach situation PM today with a liaison officer to visit.

Any advice from your side good in prep for incorporation in planning. No indicative costs as yet but, it will be expensive. Also, our line could be, we don't believe it is required but happy for QFES to engage (and fund) as back-up.

Regards, Marc

From: CUBIS Mick <Mick.Cubis@des.qld.gov.au>

Sent: Sunday, 18 October 2020 11:42 AM

To: DARGUSCH Marc

Subject: Re: Duling CZ fire update 8.49am 18Oct2020

Thanks Marc, appreciate the update.

Sent from my iPhone

On 18 Oct 2020, at 9:01 am, DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au> wrote:

Hi Mick – A bit of an update:

Current situation:

- NAFI indicates that the fire that breached the Platypus Bay line is still in the northern end of the block that has Wathumba Road as its southern boundary.
- We are essentially in a wait and watch phase whilst we have a northerly influence and will be keeping a close eye on fire behaviour especially relating to its rate-of-spread to south.
- There is no immediate threat to life/property.
 - Wathumba campground has been emptied (I will confirm status at Teams Meet referred to below).
 - Even if the fire jumps to the south of Wathumba Road, the township of Orchid Beach has been well prepared by earlier protection burns.

Planning:

- I've talked with SR and Rural FB 1st Officer.
- I'll be having a Teams Meet with SR/QPWS crew this morning.
- I will interact with QFES (Andrew Marnie) post the above.

Regards, Marc

<image001.png>

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Saturday, 17 October 2020 9:11 PM
To: DARGUSCH Marc
Cc: DARGUSCH Anthony; CIR Fire Team; LAVENDER Sven; KUSKIE James; HARVEY Peter
Subject: RE: Sit rep 1630 Duling CZ fire

Thanks Marc

Will catch up in the morning

Cheers

Andrew

Andrew Marnie
Acting Inspector
Area Director Maryborough

Personal information

<image003.jpg>

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From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>
Sent: Saturday, 17 October 2020 8:00 PM
To: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Cc: DARGUSCH Anthony <Anthony.Dargusch@des.qld.gov.au>; CIR Fire Team <CIR.fireteam@des.qld.gov.au>; LAVENDER Sven <Sven.Lavender@des.qld.gov.au>; KUSKIE James <James.Kuskie@des.qld.gov.au>; HARVEY Peter <Peter.Harvey@des.qld.gov.au>
Subject: RE: Sit rep 1630 Duling CZ fire

Hello Pete – I'll call you about 8.15 tomorrow to review where we are at. Thanks to all on fireline for effort to date.

Hi Andrew – We'll review the bit in yellow first up tomorrow although it is likely that we will continue as per below.

Regards, Marc

<image005.png>

Marc Dargusch

Principal Ranger – Great Sandy Area
Coastal and Islands Region | QPWS and Partnerships
Department of Environment and Science

M **Personal information** 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: KUSKIE James <James.Kuskie@des.qld.gov.au>
Sent: Saturday, 17 October 2020 5:02 PM
To: DARGUSCH Marc; HARVEY Peter
Cc: DARGUSCH Anthony; Andrew.Marnie@qfes.qld.gov.au; CIR Fire Team; LAVENDER Sven
Subject: Sit rep 1630 Duling CZ fire

Sitrep for 1630

Island makes its own.

Light up at 0830am was Temp 28 deg Hum 50% Wind E at 5kph
1030am Temp 29 deg Hum 40% wind variable 10kph

At 1030 spot over was called and all lighting stopped. Crews were able to contain 2 spot overs but the one in the Wathumba swamp was too big to contain.

All crews fell back to corner of Playtapus road and regrouped.

Fall back was Wathumba Road so cleared all campers out of area. Tractor has cleared around infrastructure. Signage has been placed over Platypus road and Wathumba for road closed.

Fire has reached N side of Ocean lake road but stopped on track edge

With the N winds predicted tomorrow we will have one QPWS unit on eastern beach and 2 QPWS units patrolling the block and watching the fires behaviour.

Plan for future is with the SE winds predicted for Monday night to monitor the situation and make a decision Monday whether to light the south Eastern corner of Wathumba block to keep the fire restrained inside the area.

Thanks.

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Date : 10/11/2020 8:49:33 AM

From : "HEAD Damien"

To : "CUBIS Mick"

Subject : RE: Duling CZ WF K'gari - Sunday 9.11.2020 afternoon 16:30:00 SITREP

Yep v good question to ask.

My question would be:

1. What is our objective – containment, suppression, protection of assets XXX?
2. If a backburn is planned for the southern side of the wildfire and the goal is containment of the fire to the north of a break. 100% our backburn will spot south and start a new fire front on a northerly wind. Our history and strike rate confirms we cant hold a backburn if we do not have a favourable wind. Any backburn on the southside of the fire must have a light southerly for a number of days to have any chance of success.
3. I am also always curious on the length of line we intend to back burn. The longer the more our resources are stretched and difficult it is to hold the line. 1km or 5km or 15km . 15km backburn into the wind will take days to deliver and highly risky.

I remain that the only reason we should be lighting up is asset protection around the immediate asset/township and that is only if our protection zones have not been burnt recently. We should let them do their job otherwise.

As the fire moves further south it is about to reach the start of the rainforest in the middle of the island which split the fire in two. One moving down the east coast and one moving down the west coast. These should be factors to consider too. Which they seem too. Easier to manage when you can burn into the rainforest. And only dealing with half the fire threat. West coast is not containable and threatens nothing as it moves south.

Their timing for lighting just before a wind change is difficult to rationalise.

Just my views.

From: CUBIS Mick <Mick.Cubis@des.qld.gov.au>

Sent: Tuesday, 10 November 2020 8:30 AM

To: HEAD Damien

Subject: FW: Duling CZ WF K'gari - Sunday 9.11.2020 afternoon 16:30:00 SITREP

FYI. I've continued to raise concerns about proposal to burn. This proposal highlighted is to light up on Wednesday evening, just as the wind swings from the north and strengthens for the rest of the week. Am I missing something?

Mick Cubis

Regional Director, Coastal and Islands Region

GBRMC | QPWS & Partnerships

Department of Environment and Science

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240 Moorindil Street, Tewantin

Qld 4565

mick.cubis@des.qld.gov.au

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>

Sent: Tuesday, 10 November 2020 7:36 AM

To: CUBIS Mick

Cc: SEELEITHER Jamie; MACDONALD Stirling; CIR Fire Team; PALMER Matt

Subject: FW: Duling CZ WF K'gari - Sunday 9.11.2020 afternoon 16:30:00 SITREP

Hi Mick – last update on fire. QFES are back on the IMT from 7.30am this morning. Plenty of prep going into Cathedrals/K'gari camp.

IMT will dig deeply into tactics/options for best possible outcomes for Cathedrals/K'gari camp. We've also got eyes on west side of K'gari + Sandy Cape. Some good engage by IMT with QPS/QAS who have been very helpful.

Regards, Marc

From: PALMER Matt <Matt.Palmer@des.qld.gov.au>

Sent: Monday, 9 November 2020 6:01 PM

To: CIR Fire Team; DARGUSCH Marc; HARVEY Peter; YETMAN Brendon; Michael Koch

Cc: LAVENDER Sven; SEELEITHER Jamie; Fitzpatrick.ShaneB[CR]; VurensVanEs.Roland@police.qld.gov.au; TAPPLY Jenna; GREEN John; BEHRENDORFF Linda

Subject: RE: Duling CZ WF K'gari - Sunday 9.11.2020 afternoon 16:30:00 SITREP

Monday 9.11.2020 afternoon 16:00 SITREP

- Winds are as forecasted and predicted to remain S/E – E/SE through till Thursday switching to E/NE to 30km
- Crews monitored fireline around Dundubara and is now blacked out
- 3.5mm of rain over Dundubara Sunday afternoon
- Incoming crews familiarised with fireground and upcoming plans

- Fire behind Wungul sandblow has progress west and burning moderately during the day, the fire is also burning a backing fire 300 metres from Dundubara Creek.
- Fire is burning south of Awinya Creek in moderate to high intensity along swamp section, both sides of Awinya Road west have burnt with high intensity
- Fire continues to burn behind Tukkee sandblow and south of the Middle rocks in Road
- Water bombing of 15,000l over the Wungul fire should have slowed down the ROS coupled, will be requesting QFES organise aerial mapping tomorrow
- Cat Loader has bare earthed around Cathedrals and will continue to K'gari tomorrow – Update on fire provided to Cathedrals management today
- RFS support will arrive at Dundubara tomorrow to assist IC and team
- Had meeting with QPS+QAS who are assisting with moving campers and providing advice to public
- **IC planning for resources for proposed burn on Wednesday evening of the eastern Bowarrady break to rainforest section**
- Firecom updated at 12:40 and again at 17:30

IC

Sun-Tues – Matt Palmer

Wed – Sven Lavender

Logistics Support

Jenna Tapply

-

Ground Crews - Tuesday

1 x NMU

.5 NRM

2 x NSI

1 x Bribie

Incoming crews

Tuesday PM – 1 x Nth Cooloola

Wednesday PM 1 x Manly/Straddie

1 x Ft Lytton

Wednesday – 1 x South K'gari

Matt Palmer

K'gari (Fraser Island) North

Coastal and Islands Region / QPWS & Partnerships

Department of Environment and Science

P 07 4127 9138 M **Personal**

PMB 20, MS 2173 Rainbow Beach QLD 4655

Date : 22/10/2020 9:03:28 AM

From : "HEAD Damien"

To : "CUBIS Mick"

Subject : Re: Duling CZ Wildfire update 10.33am 21Oct2020

Are they proposing to burn all the way down to middle rocks?

Sent from my iPhone

On 22 Oct 2020, at 8:55 am, CUBIS Mick <Mick.Cubis@des.qld.gov.au> wrote:

Damien, I have talked this through with Marc. There are varying forecasts, with some prediction showing NNW – NW by Saturday. Rain fall, while looking very likely throughout next week, is also not a sure thing.

While I think the risk is low of further threat to the township, there is a clear desire by the IMT to backburn around orchid. If we proceed I would suggest tonight is the night to do it, and can't see any real problems with doing so, it is a relatively small area remaining unburnt.

I'll call to talk soon,

thanks

Mick Cubis

Regional Director, Coastal and Islands Region

GBRMC | 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: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>

Sent: Thursday, 22 October 2020 7:47 AM

To: CUBIS Mick

Subject: RE: Duling CZ Wildfire update 10.33am 21Oct2020

Hi Mick – in prep for talk:

- Probably need to undertake west firebreak light-up from Orchid Beach to increase 'blackened zone' that surrounds town. Some considerations:
 - There is some chance given wind/rain predictions that the fire will not advance far and may go out.
 - The rain is a 'might' as it is driven by thunderstorm activity not a rain band.
 - The current burnt break around Orchid Beach is not sufficient to hold an advancing fire. In particular:
 - Telecom hill western slope is within the wildfire zone and currently unburnt.
 - There are multiple sections of the firebreak that are only around 50m in width.
 - Whilst mapping doesn't show it, unburnt vegetation exists between the burnt firebreak and houses.
 - Further to the above there is considerable unburnt vegetation between Marloo and Eliza Ave on a western slope that has dwellings above it on ridgeline.
 - There is considerable unburnt natural vegetated areas within the Orchid Beach precinct.
 - The NE forecast winds are perfect to undertake a backburn on the western side of Orchid beach town in next two days:
 - NE wind will ensure no spotovers go into the town.
 - NE wind can only push the fire to the next ridge which is already burnt – around 1km (i.e. the fire can't run for any great distance).
 - Once we get past Friday we may have great difficulty putting in town burn due to wind direction.
 - If a burn is put in it will protect town for years to come as this is the most dangerous side of town from fire threat perspective.
- If we do put want to put a west edge of Orchid Beach backburn in conditions are perfect either Thurs 22Oct20 arvo/evening or Friday 23Oct20 arvo/evening due to low-level NE wind. Considerations:
 - Probably Friday is better to give prep time/further time to watch fire behaviour although from a visitor management (numbers of people viewpoint) – Thursday would be better (and the winds are a little lighter).
 - Look to have crews in place by 2.30pm on day of lighting
 - Light slowly either side of Telecom hill with view to burning fuel on slope. Crews to then move slowly in each direction from this point.
 - 'In road' to Orchid from Champagne Pools will need to be shut (out road to remain open)
 - Look to time at least over high tide
 - Perhaps choose larger, clear duration to give certainty to visitors
 - Midday Friday to 8am Saturday morning ?

- We can re-open earlier if safe
- There was a school of thought that we could probably leave it open but this makes me edgy:
 - Conditions very, very soft with bogging likely.
 - Fuel load to west on roadside
 - Fire crews will need unfettered access (probably in both directions).
 - I wouldn't consider using the 'out road' for 2way traffic due to the current soft/dry conditions and the design of the road for one way use (gradient/lack of get-off zones/hardened for one-way use)

From: CUBIS Mick <Mick.Cubis@des.qld.gov.au>
Sent: Thursday, 22 October 2020 6:27 AM
To: DARGUSCH Marc
Subject: Re: Duling CZ Wildfire update 10.33am 21Oct2020

Thanks Marc, 8 am is fine.

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

On 21 Oct 2020, at 5:28 pm, DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au> wrote:

Hi Mick – I've only just got back from K'gari. Things currently looking good on the fire front. I had some great interaction with our local crew, QFES and QPS. There is no rush to make decisions this arvo.

Keen to talk through my thoughts on tactics based on today's interaction + very interested to continue to monitor situation to put against planning. Would like to nail down way forward mid-AM tomorrow so that IMT can have time to put plans in place.

I'll call you 8am tomorrow if that suits you.

Regards, Marc

<image002.png>

From: CUBIS Mick <Mick.Cubis@des.qld.gov.au>
Sent: Wednesday, 21 October 2020 11:17 AM
To: DARGUSCH Marc
Cc: YETMAN Brendon; PALMER Matt; HEAD Damien
Subject: RE: Duling CZ Wildfire update 10.33am 21Oct2020

Thanks for the update Marc, give me a call when you are ready,
 thanks

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: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>
Sent: Wednesday, 21 October 2020 10:44 AM
To: CUBIS Mick
Cc: YETMAN Brendon; PALMER Matt
Subject: Duling CZ Wildfire update 10.33am 21Oct2020

Mick – all things in order at this stage.

James Kuskie/Sven Lavender have now gone off-shift and have briefed Matt Palmer who is the incoming IC for this fire.

Flame link:

https://flame.npsr.qld.gov.au/FLAME/app.aspx?fw_menu=flsall&assocheaddetsde26_k_id=13318488

Flame SitRep:

20.10.20 1730 JRK Fire to the north has minimal activity and very low flame height, fire in the Wathumba swamp area has approx. 2-5m flame height due to swamp area and is burning onto beach. Fire around the Orchid beach town area has slowed in intensity and has not progressed any further towards the town area and is still located 1.2klm south west towards Wathumba creek.

21.10.10 0730 JRK 1 Crew on eastern beach, 2 crews to go to Wathumba CZ to check on CG and road status.

I'm about to leave Dundubara with Shane Fitzpatrick (QPS) to meet up with QFES 1st Officer and QPWS crew at Orchid Beach. I have spoken to Andrew Marnie (QFES) and Russel Stephens-Peacock (QFES modelling expert) with a view to determining what we will be faced with. The below is QFES modelling of fire behaviour indicating state of play at 1700hrs this arvo (21Oct2020). After meeting on-site with 1st Officer in Orchid Beach I will re-contact QFES and they will have a new model picture of fire behaviour for today.

<image003.jpg>

Once I have my head around the above I'll call you with view to gauging our stance on tactics. From that point IMT will work our resourcing needs into future including use of strike team and like.

Anyways, got to go due to tide.

M

Date : 25/11/2020 4:56:33 PM
From : "HEAD Damien"
To : "DARGUSCH Marc" , "CUBIS Mick"
Cc : "CAMBOURN Neil" , "Corro DES QPWS GBRMCI"
Subject : RE: Duling update_20201125_1700
Attachment : Situational analysis_Strategy_Alt1_fire line map.PNG;image001.png;image004.jpg;image003.png;
Marc

Good sit rep and plans info. Thanks to the IMT for these.

Question:

I note your words about burning into the upper reaches of Poyungan (yellow line). All good.
However I note on the map attached there is a line marked along Cornwalls break road out to the eastern beach and dated 26/11/2020. Is there an intention to burn off that as well or is that just flagging the mulching work as a precaution? I assume we are only taking our burning operations into the closed forest and the wildfire still remains on the western side only of the closed forest. Is this correct? Apart from the fire near Cathedral there is no fire on the eastern side of the closed forest as yet?

Damien

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>
Sent: Wednesday, 25 November 2020 4:35 PM
To: Nalder.MariaJ@police.qld.gov.au; Fitzpatrick.ShaneB@police.qld.gov.au; Mahon.ChrisM@police.qld.gov.au; Clowes.AnthonyJ@police.qld.gov.au; Brendan.Guy@frasercoast.qld.gov.au; GRANT Andrea; YETMAN Brendon; HARVEY Peter; SEELEITHER Jamie; EMBREY Teena; LAWTON Colin; HEAD Damien; CAMBOURN Neil; KLAASSEN Ben; Corro QPWS gbrmci CIR
Cc: CUBIS Mick; CONNOR Nathan
Subject: Duling update_20201125_1700

Hello all – the latest from the IMT.

Regards, Marc



Marc Dargusch

Principal Ranger – Great Sandy Area
Coastal and Islands Region | QPWS and Partnerships
Department of Environment and Science

M **Personal info** P 07 54869960
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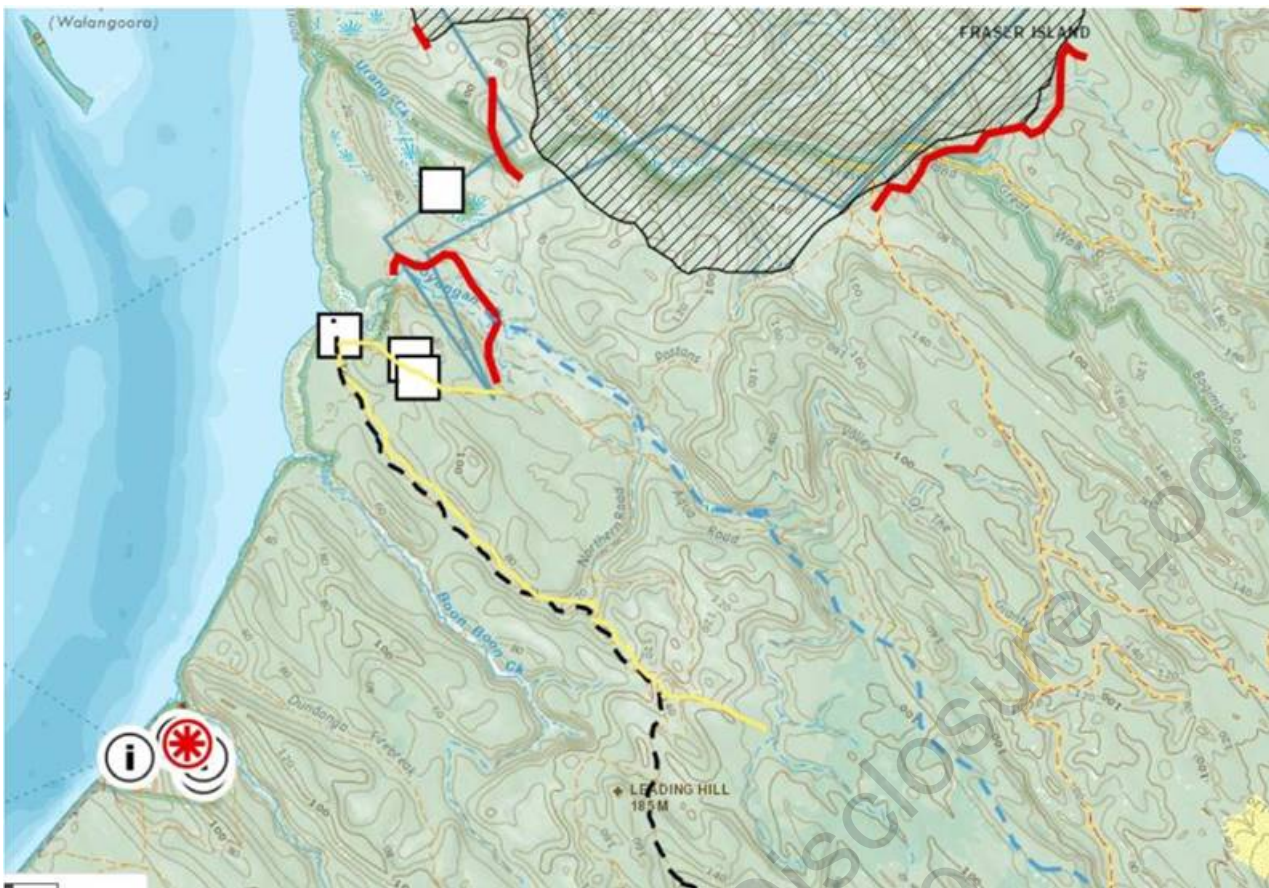
I give my respect to the traditional and custodial Aboriginal and Torres Strait Island Elders and Owners of the Land in which I work, live and walk.

From: CONNOR Nathan <Nathan.Connor@des.qld.gov.au>
Sent: Wednesday, 25 November 2020 4:23 PM
To: Peter.Hollier@qfes.qld.gov.au; DARGUSCH Marc; CUBIS Mick; MCLAUGHLIN Marty; SPINKS Troy
Cc: Brittany Hewson
Subject: Duling update_20201125_1700

Hi Peter and all,

Please note the following updates for Duling Fire;

- Burn out operations to commence (ground operations only) from far northern extent of Smith-Poyungan firebreak in SE direction through to wet area at upper reaches of Poyungan Creek – yellow line on 1st snip.
- Please note that aerial ignition is not required tonight owing to last light issues and visitor management to east. We will look to employ aerial ignition strategy as per attached tomorrow conditions pending – these docs will be updated accordingly.
- Please also see attached Alternative 1 fireline map and Situation Analysis options doc. These will be updated for tomorrow morning.
- We will also provide fall back options for your information tomorrow am.



Nathan Connor
Principal Conservation Officer – Fire Management
Technical Services
Queensland Parks and Wildlife Service
Department of Environment and Science

M **Personal**



Date : 20/11/2020 10:26:28 AM

From : "HEAD Damien"

To : "CUBIS Mick"

Subject : Re: Duling WF - way forward

I would have thought such. Need to get going. Before wind changes. All efforts from yidney scrub to west coast on hv road.

Good to know.

Sent from my iPhone

On 20 Nov 2020, at 9:56 am, CUBIS Mick <Mick.Cubis@des.qld.gov.au> wrote:

Damien, fyi. I spoke to Matt Davies last night who advised me of this being the likely approach. Not too many options. If we don't proceed, the sense is it will gross Moon Point road once the wind becomes a northerly, likely on Monday, but looking bad on Tuesday, gusting at 25 knots, possibly more.

Mick Cubis

Regional Director, Coastal and Islands Region

GBRMC | 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: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>

Sent: Friday, 20 November 2020 9:15 AM

To: CUBIS Mick

Subject: Duling WF - way forward

Hi Mick – IMT will have a SitRep through around 9am and then an ActionPlan through around 10.30am or so.

Just a heads-up - it is highly likely that the best option will be to commence a slow, controlled and air-supported light-up (until dark then first up the following day) from the western end of Moon Point Road from late this afternoon . Anyways, the IMT will furnish greater details post further scrutiny of forecasts and on-ground conditions.

Regards, Marc

From: CUBIS Mick <Mick.Cubis@des.qld.gov.au>

Sent: Thursday, 19 November 2020 3:33 PM

To: KLAASSEN Ben; HEAD Damien; CAMBOURN Neil

Cc: DARGUSCH Marc; DAVIES Matt

Subject: Fwd: Situation Analysis - Duling WF

Latest sitrep and analysis / tactics 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: DAVIES Matt <Matt.Davies@des.qld.gov.au>

Date: 19 November 2020 at 3:26:16 pm AEST

To: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>, CUBIS Mick <Mick.Cubis@des.qld.gov.au>, CONNOR Nathan <Nathan.Connor@des.qld.gov.au>

Cc: CIR Fire Team <CIR.FireTeam@des.qld.gov.au>, BULLEY Graeme <Graeme.Bulley@des.qld.gov.au>, Peter.Roberts2@qfes.qld.gov.au, TAPPLY Jenna <Jenna.Tapply@des.qld.gov.au>, BLACKMAN Boyd <Boyd.Blackman@des.qld.gov.au>, DARGUSCH Anthony <Anthony.Dargusch@des.qld.gov.au>

Subject: Situation Analysis - Duling WF

Hi all,

Attached is Situation Analysis for Duling wildfire approved by IMT.

Matt

Matt Davies

Senior Project Officer – Technical Support

Coastal and Islands Region | 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

Published on DES Disclosure Log
RTI Act 2009

Date : 16/10/2020 5:20:10 PM

From : "HEAD Damien"

To : "CUBIS Mick"

Subject : Re: Duling WF Back burning operations.

Attachment : image001.png;

Fingers crossed. I share your reservations. Spotting back into wathumba swamp on sundays northerly. It is a long line to hold.

Sent from my iPhone

On 16 Oct 2020, at 4:16 pm, CUBIS Mick <Mick.Cubis@des.qld.gov.au> wrote:

Damien, back burn planned for tomorrow, as detailed below.

Thanks

Mick Cubis

Regional Director

Coastal and Islands | QPWS&Partnerships

Department of Environment and Science

P (07) 54471137 | Mobile Personal info

Begin forwarded message:

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>

Date: 16 October 2020 at 4:12:58 pm AEST

To: CUBIS Mick <Mick.Cubis@des.qld.gov.au>

Cc: HARVEY Peter <Peter.Harvey@des.qld.gov.au>, YETMAN Brendon <Brendon.Yetman@des.qld.gov.au>,

SEELEITHER Jamie <Jamie.Seeleither@des.qld.gov.au>, KLEKAR John <John.Klekar@des.qld.gov.au>,

EMBREY Teena <Teena.Embrey@des.qld.gov.au>

Subject: RE: Duling WF Back burning operations.

No probs. Comfortable as we can be with limited options.

Resource levels pretty good for Saturday work.

Regards, M

<image001.png>

From: CUBIS Mick <Mick.Cubis@des.qld.gov.au>

Sent: Friday, 16 October 2020 4:08 PM

To: DARGUSCH Marc

Cc: HARVEY Peter; YETMAN Brendon; SEELEITHER Jamie; KLEKAR John; EMBREY Teena

Subject: Re: Duling WF Back burning operations.

Thanks Marc

Are we comfortable that there is low risk of a spotover with the forecast for Sunday and that we can hold the line?

Mick Cubis

Regional Director

Coastal and Islands | QPWS&Partnerships

Department of Environment and Science

P (07) 54471137 | Mobile Personal info

On 16 Oct 2020, at 3:59 pm, DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au> wrote:

Mick – Plans are in place for the K’gari crew to undertake a planned back-burn to manage the current wildfire on the northern end of K’gari (see attached and below email trail). Communication has occurred with QFES (as per below email trail) with note that resourcing is also being provided by local Rural Fire Brigades.

A fall-back option has been identified with a further fire crew from Cooloola being available at short notice.

Regards, Marc

<image002.png>

Marc Dargusch

Principal Ranger – Great Sandy Area

Coastal and Islands Region | QPWS and Partnerships

Department of Environment and Science

M Personal info 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: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>

Sent: Friday, 16 October 2020 1:26 PM

To: KUSKIE James

Cc: HARVEY Peter; DARGUSCH Marc; DARGUSCH Anthony; EDMED Greg; GREEN John; LAVENDER Sven

Subject: RE: Duling WF Back burning operations.

Thanks James

Appreciate the update

Regards

Andrew

Andrew Marnie

Acting Inspector

Area Director Maryborough

Personal info

<image003.jpg>

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From: KUSKIE James <James.Kuskie@des.qld.gov.au>

Sent: Friday, 16 October 2020 10:04 AM

To: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>

Cc: HARVEY Peter <Peter.Harvey@des.qld.gov.au>; DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>;

DARGUSCH Anthony <Anthony.Dargusch@des.qld.gov.au>; EDMED Greg

<Greg.edmed@des.qld.gov.au>; GREEN John <John.Green@des.qld.gov.au>; LAVENDER Sven

<Sven.Lavender@des.qld.gov.au>

Subject: Duling WF Back burning operations.

Attached is the map of our planned back burn for the 17/10/20

Local conditions on ground DI 8 and KBDI of 83

At present 4 QPWS light attack vehicles

1 rural crew 51

1 tractor with slasher on site

Plan is 1 light up crew and 1 support crew to start from B and light towards A marked on map depending upon recent prescribed burn edge as the block containing the sand blow on the eastern side was burnt this burn season gone.

1 light up crew and 2 support crew to start from B and light towards C marked on map

Commence back burn from 9am and continue through until safe edge achieved.
Fall back plan is to withdraw to the Wathumba road fire line on Sunday.

<image005.png> **James Kuskie**
004 Ranger K'gari (Fraser Island) North
Coastal and Islands Region / QPWS & Partnerships
Department of Environment and Science

P 07 41 279 138 Ext 9
Dundubara, Fraser Island
PMB 20 MS 2173
Rainbow Beach QLD 4581

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<Duling WF.png>

24.96°S, 153.31°E

Save as my local

NOW IN ORCHID BEACH

PAST 24 HOURS

Updated at 16:00 EST

25.4°C

↑

Feels like 21.8 °C

Dew Point

12.3 °C

Gusts

28km/h

Relative Humidity

44%

Pressure

1015.6hPa

Wind

E 22km/h

Rainfall

0.0mm

HERVEY BAY

MARYBOROUGH

BUNDABERG

LADY ELLIOT ISLAND

ORCHID BEACH FRIDAY FORECAST

Mostly sunny

15 °C 27 °C

5% < 1mm

Orchid Beach for Friday

Mostly sunny. Patchy fog inland early this morning. Slight chance of a shower about Fraser Island in the morning, near zero chance elsewhere. Light winds. Daytime maximum temperatures around 30.

Fire Danger

High

DAM LEVELS

ORCHID BEACH 7 DAY FORECAST

28 DAYS RAINFALL

12 MONTHS RAINFALL

NEXT 48 HOURS

	FRI Oct 16		SAT Oct 17		SUN Oct 18		MON Oct 19		TUE Oct 20		WED Oct 21		THU Oct 22	
Summary														
	Mostly sunny		Mostly sunny		Mostly sunny		Mostly sunny		Clearing shower		Possible shower		Late shower	
Maximum	27°C		27°C		27°C		28°C		27°C		27°C		28°C	
Minimum	15°C		15°C		16°C		17°C		17°C		17°C		17°C	
Chance Of Rain	5%		5%		20%		40%		40%		60%		40%	
Rain Amount	< 1mm		< 1mm		< 1mm		1-5mm		< 1mm		1-5mm		< 1mm	
UV Index	Very High		Very High		Very High		Very High		-		-		-	
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	20 km/h	20 km/h	18 km/h	16 km/h	18 km/h	18 km/h	21 km/h	21 km/h	13 km/h	19 km/h	16 km/h	17 km/h	13 km/h	16 km/h
Wind Direction	SE	ESE	E	E	NE	NNE	NNW	N	ESE	ESE	ESE	ESE	E	E
Relative Humidity	66%	65%	61%	62%	65%	67%	70%	72%	74%	73%	72%	75%	70%	71%

Date : 22/11/2020 9:48:16 AM
From : "HEAD Damien"
To : "KLAASSEN Ben"
Cc : "CUBIS Mick", "CAMBOURN Neil"
Subject : Re: Duling WF Sitrep 21-11-20 2300
Attachment : image004.png;image005.jpg;
Ben/Neil

The request is to waterbomb the spot over to try and extinguish today. Given how all other measures deployed to date have been met with limited success and extent of island now burnt I am happy to support this tactic.

Sent from my iPhone

On 22 Nov 2020, at 9:33 am, KLAASSEN Ben <Ben.Klaassen@des.qld.gov.au> wrote:

Thanks Mick

Please let us know any updates when they are available.

Regards
Ben

<image004.png>

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

<image005.jpg>

From: CUBIS Mick <Mick.Cubis@des.qld.gov.au>
Sent: Sunday, 22 November 2020 8:59 AM
To: KLAASSEN Ben; CAMBOURN Neil; HEAD Damien
Subject: Fwd: Duling WF Sitrep 21-11-20 2300

FYI. Has spotted over moon point road. Waiting for further updates this morning.

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: 21 November 2020 at 11:50:52 pm 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>, BLACKMAN Boyd <Boyd.Blackman@des.qld.gov.au>, HARVEY Peter <Peter.Harvey@des.qld.gov.au>, SEELEITHER Jamie <Jamie.Seeleither@des.qld.gov.au>
Cc: DARGUSCH Anthony <Anthony.Dargusch@des.qld.gov.au>, BULLEY Graeme <Graeme.Bulley@des.qld.gov.au>, TAPPLY Jenna <Jenna.Tapply@des.qld.gov.au>, MACDONALD Stirling <Stirling.MacDonald@des.qld.gov.au>, Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Subject: Duling WF Sitrep 21-11-20 2300

Matt Davies

Senior Project Officer – Technical Support

Coastal and Islands Region | Queensland Parks and Wildlife Service

Department of Environment and Science

P (07) 5459 6102 | M Personal info | E: matt.davies@des.qld.gov.au

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SITUATION ANALYSIS - BACKGROUND & OBJECTIVES

Form ICS 2

Incident Name:	Date Prepared	Time Prepared	Prepared By:
Duling WF	21/11/2020	2300 hrs	Matt Davies

Values at Risk:
Built assets south of the current fire area (Kingfisher Bay Resort and Village, Happy Valley Township, K'gari, Yidney Rocks & Poyungan Valley private accommodation, Eurong Township, Dilli Village, Central Station).
World heritage listing, RAMSAR wetlands, unique hydrology, unique vegetation communities, vulnerable pattern fens, water mouse and ground parrot habitat.
Cultural heritage values, indigenous and shared <div>Significant cultural information - Butchulla people - Butchulla people</div>

Constraints & Other Considerations:
Fire has been burning for 5 weeks, burning through previously burnt country (2018/19 burns), already covered more 52,000ha, melaleuca/sedgeland complex on the western side of the island south of Moon Point has potential to wick south towards Kingfisher Resort. South of Moon Point Road last burnt 2006 in places.

Safety Risks & Hazards:
Moon Point Road closed to public west from Lake Garawongera. – Part Alert modified to reflect this. Sandy Cape Lighthouse precinct closed through Park Alert. Southern containment line (Moon Point Rd) is established. Pending future fire behaviour there may be a need to close additional camping areas in the southern part of the island. K’gari leased camp area: Work has been carried out inside the fenced area to reduce fuel load immediately adjacent to the fence. Cathedral Beach Resort & camping area secured on the northern edge, further asset protection may be required.

Current Incident Behaviour: as per twice daily sitreps, SABER reports and QFES reports
21/11/20 Flanking fire putting pressure on MPR around the Northern Road intersection and heading westward after lunch. 1 air attack unable to control. Additional rotary and fixed wing aircraft called in to support which is keeping fire off MPR (approx. 300-400). Air support continuing into afternoon. 1830 – Numerous spot overs on MPR from fire front approaching 1.5km west of Northern Road. Crews unable to hold fire on containment line – going fire in block south of MPR. 2200 – Backburning continues eastward towards Yidney Scrub. Intention is to continue backburning into Yidney Scrub tonight. Aerial survey and water bombing booked for 7:30am tomorrow to target spot over. Ground crews to be onsite at 0600 for assessment and patrol. IMT focus tomorrow on fallback planning with QFES support. Daily aerial mapping identified an active fire front south of Sandy Cape Light-Station (not posing any immediate threat). Also identified active fire fronts to the north west of Cathedral Resort (not posing any immediate threat)

Weather	Temperature	Rel. Humidity	Wind Sp & Dir	Comments
Current - 2300	24	61%	13 km E	Taken at fire ground
Projected -				
20-299			File D Release	Page 23 of 35

Comments & Outlook:
<ul style="list-style-type: none">- Machinery contractor progressing east along Moon Pt Road – works expected to be completed by tomorrow lunchtime.- 2 fall back lines are prepared south of Moon Point - Bogimbah & Smith / Poyungan Roads.
IMT securing further resources for future works at Sandy Cape and Cathedrals
Cathedral Beach Resort & camping area secured on the northern edge, containment line established on the southern side for further backburning. 3000L Tanker on site

Incident Objectives:
Protect life and property on K’Gari (Fraser Island)
<u>South-west (Moon Point - Yidney Scrub):</u> Maintain/keep fire north of Moon Point Road. Reduce current fire activity north of Moon Point road with Rotary and Fixed wing aircraft. Strengthen Moon Point firebreak with machinery contractors Significant cultural information - Bu Implement back burn along Moon Pt Road from Puthoo Haul Road to tie off point within Yidney Scrub. Light up will be supported by waterbombing aircraft during daylight hours today and tomorrow.
Additional information: Aerial mapping of entire fire ground occurring tomorrow 1030
<div>Approved by IC (signed):<div>Timehrs</div></div>

Date : 24/11/2020 1:44:32 PM

From : "HEAD Damien"

To : "DARGUSCH Marc" , "CUBIS Mick" , "CAMBOURN Neil"

Subject : RE: Duling Wildfire K'Gari 24/11/2020 as at 1230

Attachment : image001.png;image007.jpg;image008.jpg;image002.png;image003.png;

No need. As long as we are treating it with the appropriate level of scepticism and trusting our own knowledge of how it has been moving under these type of weather conditions.

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>

Sent: Tuesday, 24 November 2020 1:41 PM

To: HEAD Damien; CUBIS Mick; CAMBOURN Neil

Subject: RE: Duling Wildfire K'Gari 24/11/2020 as at 1230

Damien – the modelling appears to be a dark art. It is supposed to take consideration of vege type, but I have often not been able to make sense of what it predicts.

I can ask modellers some deeper questions if you want.

M

From: HEAD Damien <Damien.Head@des.qld.gov.au>

Sent: Tuesday, 24 November 2020 1:38 PM

To: DARGUSCH Marc; CUBIS Mick; CAMBOURN Neil

Subject: RE: Duling Wildfire K'Gari 24/11/2020 as at 1230

Marc

Question. Looking at the assumption of the modelling. Is there consideration to the vegetation type in there? That is some pretty aggressive modelling along an edge that hasn't progressed much over the past 7 days. All the fires movement has largely been to the south

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>

Sent: Tuesday, 24 November 2020 1:32 PM

To: HEAD Damien; CUBIS Mick; CAMBOURN Neil

Subject: FW: Duling Wildfire K'Gari 24/11/2020 as at 1230

Hi Mick/Damien/Neil - Situation @ 1300hrs 20201124:

- The main fire continues to move in a south easterly direction with poor fire weather conditions on the island.
- The community of Happy Valley is potentially under threat within the next 24hrs *although* the latest mapping and predictions indicate this threat has abated with an improved forecast. QFES, RFS, QPWS and QPS, Ambulance are working together to prepare the community. It is worth noting that the fire has not yet exited the closed forest into the dryer eastern vegetation types.
- Forecast wind change easterly at about 4.00am 25/11/2020 will further lessen the current risk to Happy Valley.
- Fire to the south has now just over the Bogimbah Track.
- Other sectors:
 - Active fire at the north of the island at Sandy Cape sector is being monitored.
 - Cathedral Beach sector is blacking out.
- IMT has relocated and ramped up (refer attached pdf) to Rainbow Beach. Nathan Connor is now the IC.
- Divisional control is operating out of QPWS Dundabara.

Given the fire proximity to Happy Valley (and smaller communities to south including Yidney Rocks etc) + Kingfisher Bay Resort the current QPWS run IMT would be comfortable with QFES taking control if QFES happy to attempt to utilise the Smith-Poyungun Road as the southern control line & have QPWS on IMT with them.

Some fire predictions are contained below.

Regards, Marc



Marc Dargusch

Principal Ranger – Great Sandy Area

Coastal and Islands Region | QPWS and Partnerships

Department of Environment and Science

M **Personahin** 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.

Predicted fire spread details below as sourced from QFES FBAN imbedded in IMT Rainbow;

Fire spread prediction generated this morning for Fraser Island - Happy Valley.

The image below is for 14:00 hrs today & 0100 hrs Wednesday. The Simulation runs through to 25th November in the attached KMZ file, but this will be revised throughout today as new mapping is made available.



Fire Spread to 14:00hrs 24-11-20



Fire Spread to 0100hrs 25th Nov 2020

Assumptions used to develop this prediction:

- Active fire edge as determined by Air Obs at 08:20hrs 24-11-20 have been used.
- No active fire suppression is being undertaken.
- No additional backburning has been undertaken.
- Phoenix standard inputs have not been adjusted.
- Weather is from BOM grids downloaded this morning.



John Atkinson

Senior Project Officer

Fire Team | Queensland Parks and Wildlife Service

Department of Environment and Science

P 07 4999 8533 | E John.Atkinson@des.qld.gov.au

Level 5 | 44 Nelsen Street | Mackay

Date : 19/10/2020 4:32:32 PM

From : "HEAD Damien"

To : "DARGUSCH Marc"

Cc : "CUBIS Mick"

Subject : RE: On phone to District Disaster Officer want me to call soon ?

Just spoke to mick. We should have a chat. Also refer to my emails and QFERS own fire summary report.

I cant support a backburn operation in 20 knts from the SE tomorrow pushing the backburn directly into the township particularly when you reach the switch back to the south of Orchid on your map. Doing a back burn is also counter to their own advise too.

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>

Sent: Monday, 19 October 2020 4:22 PM

To: HEAD Damien

Subject: On phone to District Disaster Officer want me to call soon ?

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Date : 19/10/2020 4:25:26 PM
From : "HEAD Damien"
To : "DARGUSCH Marc" , "CUBIS Mick"
Subject : RE: Tuesday 20Oct2020 fire management tactics
Attachment : image003.png;image004.png;image001.png;image002.png;
Marc

Burning tomorrow is also counter to QFERS very own report

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.

From: HEAD Damien
Sent: Monday, 19 October 2020 4:05 PM
To: DARGUSCH Marc; CUBIS Mick
Subject: RE: Tuesday 20Oct2020 fire management tactics

If I had to burn off that line. North easterly to easterly would be better. A southerly would result in the ambers entering orchid beach.

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>
Sent: Monday, 19 October 2020 3:58 PM
To: CUBIS Mick
Cc: HEAD Damien
Subject: Tuesday 20Oct2020 fire management tactics

Hi Mick – I just spoke to the QFES Liaison Officer – he's very clear that for the purpose of protecting life and property we need to backburn on the Western side of Orchid Beach township once the southerly change has come through tomorrow. Thoughts are the lighting would start around 1pm tomorrow Tuesday 20Oct2020. The critical concern from QFES is ember attack on unattended houses in Orchid Beach and ensuring that there is an adequate 'break' between the township and a firefront that is highly likely to approach the town at some stage in the near future.

Whilst this tactic introduces further fire into this block, there will already be fire in the block which is further to the south of where the edge-lighting will stop tomorrow.

Let me know if you or others want to talk further.

Regards, Marc



Marc Dargusch
Principal Ranger – Great Sandy Area
Coastal and Islands Region | QPWS and Partnerships
Department of Environment and Science
M Dargusch 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: Monday, 19 October 2020 2:18 PM
To: Andrew.Marnie@qfes.qld.gov.au
Subject: FW: RE: QF4-20-116117 FRASER ISLAND

Hi Andrew – I've just got this email through.

I'm not keen to put additional fire on ground if we don't have to. I'd like to understand QFES' needs – *does this plan meet them ? and is it a strong desire of QFES that we put fire into this block at this timing* for the purposes of life/property protection ?

Happy to talk detail.

Regards, Marc

From: KUSKIE James <James.Kuskie@des.qld.gov.au>
Sent: Monday, 19 October 2020 2:10 PM
To: DARGUSCH Marc
Subject: FW: RE: QF4-20-116117 FRASER ISLAND

From: KUSKIE James
Sent: Monday, 19 October 2020 9:50 AM
To: DARGUSCH Anthony; YETMAN Brendon; LAVENDER Sven; HARVEY Peter; Andrew.Marnie@qfes.qld.gov.au
Cc: CIR Fire Team
Subject: RE: QF4-20-116117 FRASER ISLAND

Proposed plan for Tuesday.

Attached is the latest plan for the wildfire Kgari North.

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If you have any further questions just give me call.

Thanks.



Queensland
Government

James Kuskie
004 Ranger K'gari (Fraser Island) North
Coastal and Islands Region / QPWS & Partnerships
Department of Environment and Science

P 07 41 279 138 Ext 9
Dundubara, Fraser Island
PMB 20 MS 2173
Rainbow Beach QLD 4581

Date : 19/10/2020 4:04:31 PM

From : "HEAD Damien"

To : "DARGUSCH Marc" , "CUBIS Mick"

Subject : RE: Tuesday 20Oct2020 fire management tactics

Attachment : image001.png;image002.png;image005.png;

If I had to burn off that line. North easterly to easterly would be better. A southerly would result in the ambers entering orchid beach.

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>

Sent: Monday, 19 October 2020 3:58 PM

To: CUBIS Mick

Cc: HEAD Damien

Subject: Tuesday 20Oct2020 fire management tactics

Hi Mick – I just spoke to the QFES Liaison Officer – he's very clear that for the purpose of protecting life and property we need to backburn on the Western side of Orchid Beach township once the southerly change has come through tomorrow. Thoughts are the lighting would start around 1pm tomorrow Tuesday 20Oct2020. The critical concern from QFES is ember attack on unattended houses in Orchid Beach and ensuring that there is an adequate 'break' between the township and a firefront that is highly likely to approach the town at some stage in the near future.

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Coastal and Islands Region / QPWS & Partnerships
Department of Environment and Science

P 07 41 279 138 Ext 9
Dundubara, Fraser Island
PMB 20 MS 2173
Rainbow Beach QLD 4581

Date : 19/10/2020 4:50:29 PM
From : "HEAD Damien"
To : "CUBIS Mick"
Cc : "DARGUSCH Marc"
Subject : Re: Tuesday 20Oct2020 fire management tactics
Attachment : image003.png;image005.png;image006.png;
Perfect. Tks

Sent from my iPhone

On 19 Oct 2020, at 4:49 pm, CUBIS Mick <Mick.Cubis@des.qld.gov.au> wrote:

Hi Marc, as discussed we are not supportive of the proposal to burn tomorrow. Their own forecast ids that burning tomorrow is not advised/extremely risky, and firer behaviour is likely to be dangerous and extremely vigorous.

If QFES are insisting on further back burning they should at least wait until the conditions ease, with Thursday looking a lot more favourable.

Can you please pass our position back to QFES.

Thanks

Mick

Mick Cubis

Regional Director, Coastal and Islands Region
GBRMC | 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: HEAD Damien <Damien.Head@des.qld.gov.au>
Sent: Monday, 19 October 2020 4:25 PM
To: DARGUSCH Marc; CUBIS Mick
Subject: RE: Tuesday 20Oct2020 fire management tactics

Marc

Burning tomorrow is also counter to QFERS very own report

<image003.png>

From: HEAD Damien
Sent: Monday, 19 October 2020 4:05 PM
To: DARGUSCH Marc; CUBIS Mick
Subject: RE: Tuesday 20Oct2020 fire management tactics

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<image005.png>

Marc Dargusch

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Department of Environment and Science

M **Personal** P 07 54869960
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<image006.png> **James Kuskie**
20-299

P 07 41 279 138 Ext 9
Dundubara, Fraser Island
PMB 20 MS 2173
Rainbow Beach QLD 4581

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RTI Act 2009