

Date : 17/10/2020 7:59:30 PM

From : "DARGUSCH Marc"

To : "Andrew.Marnie@qfes.qld.gov.au"

Cc : "DARGUSCH Anthony" , "CIR Fire Team" , "LAVENDER Sven" , "KUSKIE James" , "HARVEY Peter"

Subject : RE: Sit rep 1630 Duling CZ fire

Attachment : image001.png;image002.png;

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



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: 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

Planned back burning this morning started well with light Easterly winds but has history has shown the 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.

Date : 19/10/2020 2:18:14 PM

From : "DARGUSCH Marc"

To : "Andrew.Marnie@qfes.qld.gov.au"

Subject : FW: RE: QF4-20-116117 FRASER ISLAND

Attachment : tuesday.png;Fire Behaviour Summary QF4-20-116117 FRASER ISLAND 181020 .pdf;image001.png;image003.png;

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.

We are planning to put a proposed back burn in around the back of Orchid Beach township down to Middle rocks to act as a buffer area if the winds push the fire back towards the town. All predictions from QFRES show that the fire will be in the Eastern side of the exploration block by tonight which is expected. A fly over the area at 11am will shine more light on the subject.

Starting from AA on the map and working S we will have one light up crew and 7 support crews with the Rainbow tanker in support at the Waddy dump area.

Wind forecast is for SE winds on Tuesday so light up will commence at 100pm and working around to approx. 6pm depending on conditions on the ground. Blacking out will be followed up with crews until safe edge established.

Crews will be 5 Rural crews and 3 QPWS crews with QPWS tanker at Waddy dump used as water point.

If you have any further questions just give me call.

Thanks.



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



October 19, 2020

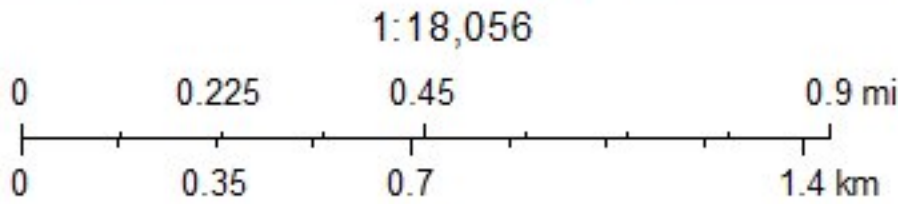
- HPQ Joint Access Management Roads**
- Access route
 - Joint interest access route
- Road network - Freeways / highways**
- Freeways / motorways
 - Highways
- Road network - Roads**
- Secondary roads

- Local connector roads**
- Local connector roads
- Road network - Streets**
- Streets
- Road network - Other roads and tracks**
- Private or restricted roads
 - 4WD and tracks
 - Malls
 - Construction lines

- Unconstructed / dedicated**
- Ferry
 - Bikeways / Walkways
 - Bus ways
- Fire Lines**
- Class 1 or Class 2
 - Class 3 or Class 4

- QPWS Road Warnings**
- No through road
 - Directional road
 - Steep road
 - Closed seasonally
- QPWS Roads**
- Formed, sealed road
 - Formed, unsealed road

- Formed, natural road**
- Unformed, unsealed road
 - Unformed, natural road
 - Closed Road
 - not assessed
- Steep road**
- Closed seasonally
- QPWS Track/Trail Warnings**
- No through road
 - Directional road



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Forecast Fire Behaviour & Weather Summary

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

STEP 1 - Select Location
FRASER ISLAND

STEP 2 - ROS Model
Heath & Shrubland

STEP 3 - Forest Fuel Load (t/ha)
17.00t/ha

STEP 4 - Heath Height (m)
1.3m

STEP 5 - Slope (Degrees)
0Deg

STEP 6 - Select Days
All

Choose Wildfire or HRB
Wildfire Behaviour Guidance

This extract contains weather for 1 locations.

Today's (Sunday, 18 October 2020) Peak Fire Behaviour Guidance in the Vicinity of FRASER ISLAND, NORTH COAST Region and MARYBOROUGH Rural Area, in Heath & Shrubland Fuel

Based on BOM Forecast Data Updated @ 18/10/2020 7:45:53 AM

FIRELINE SAFETY: Expect about **17hr** today where Direct Attack on the headfire maybe unsafe, i.e. above fireline intensity of **4,000kW/m**

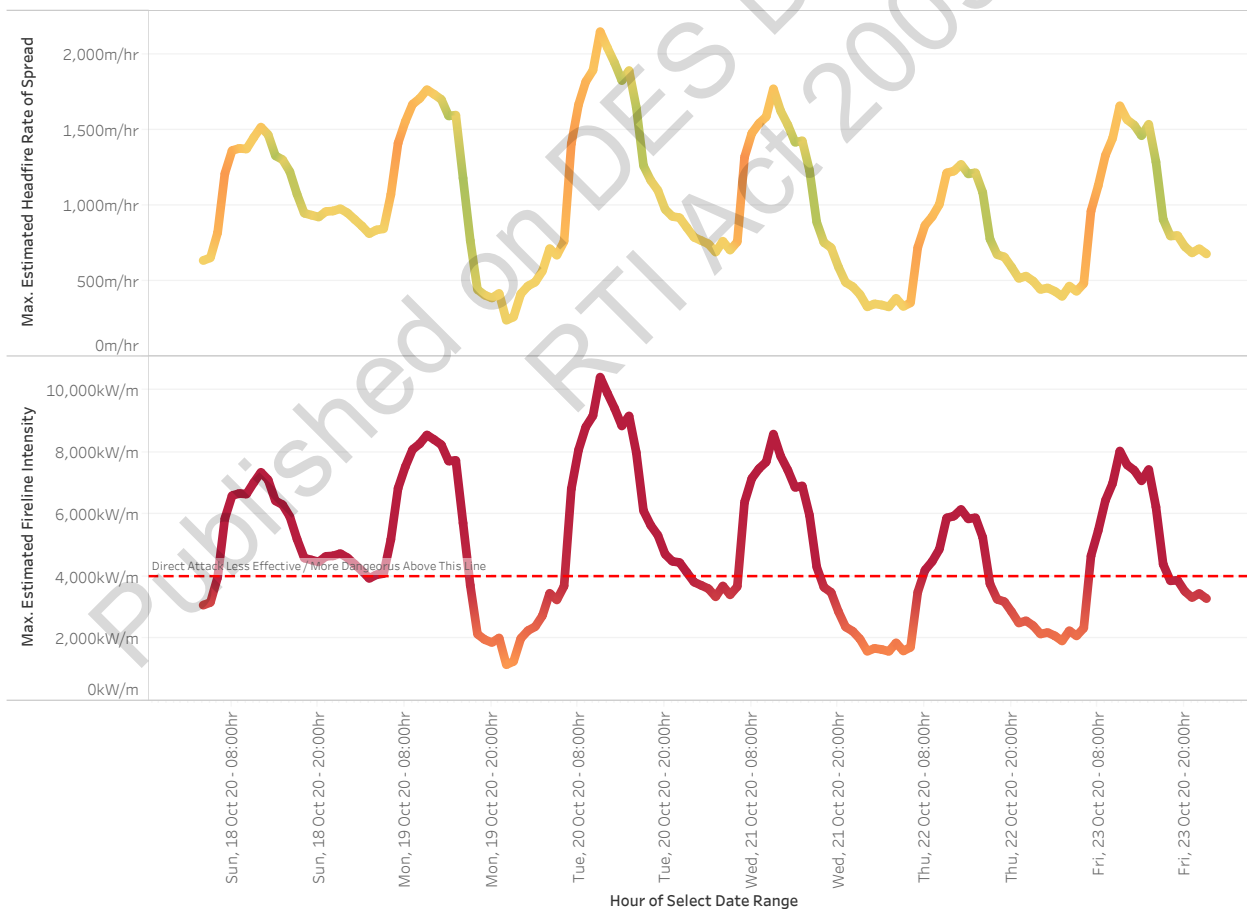
WIND & SPREAD: Peak daily wind speed is forecast to be **17km/h** so in **Heath & Shrubland** expect rates of spread near **1,516m/hr**

EASE OF IGNITION/SPREAD: Null

CONDITIONS TONIGHT: Between 1800hr & midnight fire is likely to continue burning for around **0hr** (i.e. hours below Fuel Moisture of **20%**)

With a forecast peak daily fireline intensity of 7363kW/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 1516m/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.

Estimated Rate of Spread (top) and Fireline Intensity (Bottom) Through Time
for Sun, 18 Oct 20 - 04:00hr to Fri, 23 Oct 20 - 23:00hr in **Heath & Shrubland**
Fuel Load currently in use for: Heath / Shrubland Model Uses Height & Wind Speed, Not Load



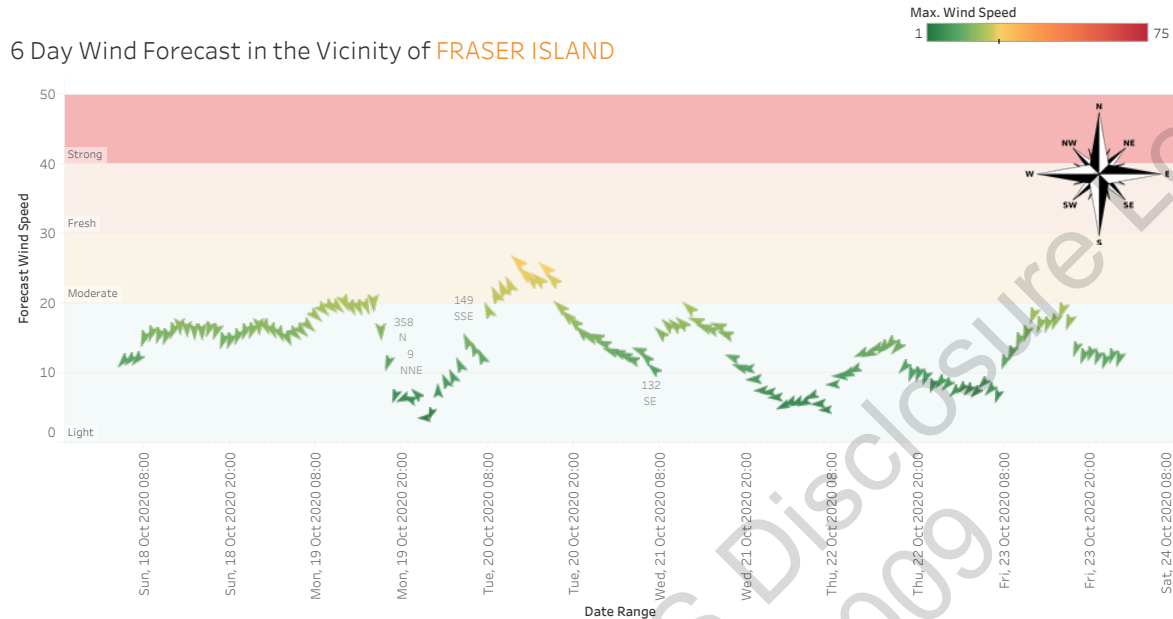
Disclaimer

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 for FRASER ISLAND

	Sun, October 18, 2020	Mon, October 19, 2020	Tue, October 20, 2020	Wed, October 21, 2020	Thu, October 22, 2020	Fri, October 23, 2020
FRASER ISLAND	9.3 Low-Moderate	9.8 Low-Moderate	9.3 Low-Moderate	10.6 Low-Moderate	9.5 Low-Moderate	10.2 Low-Moderate



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

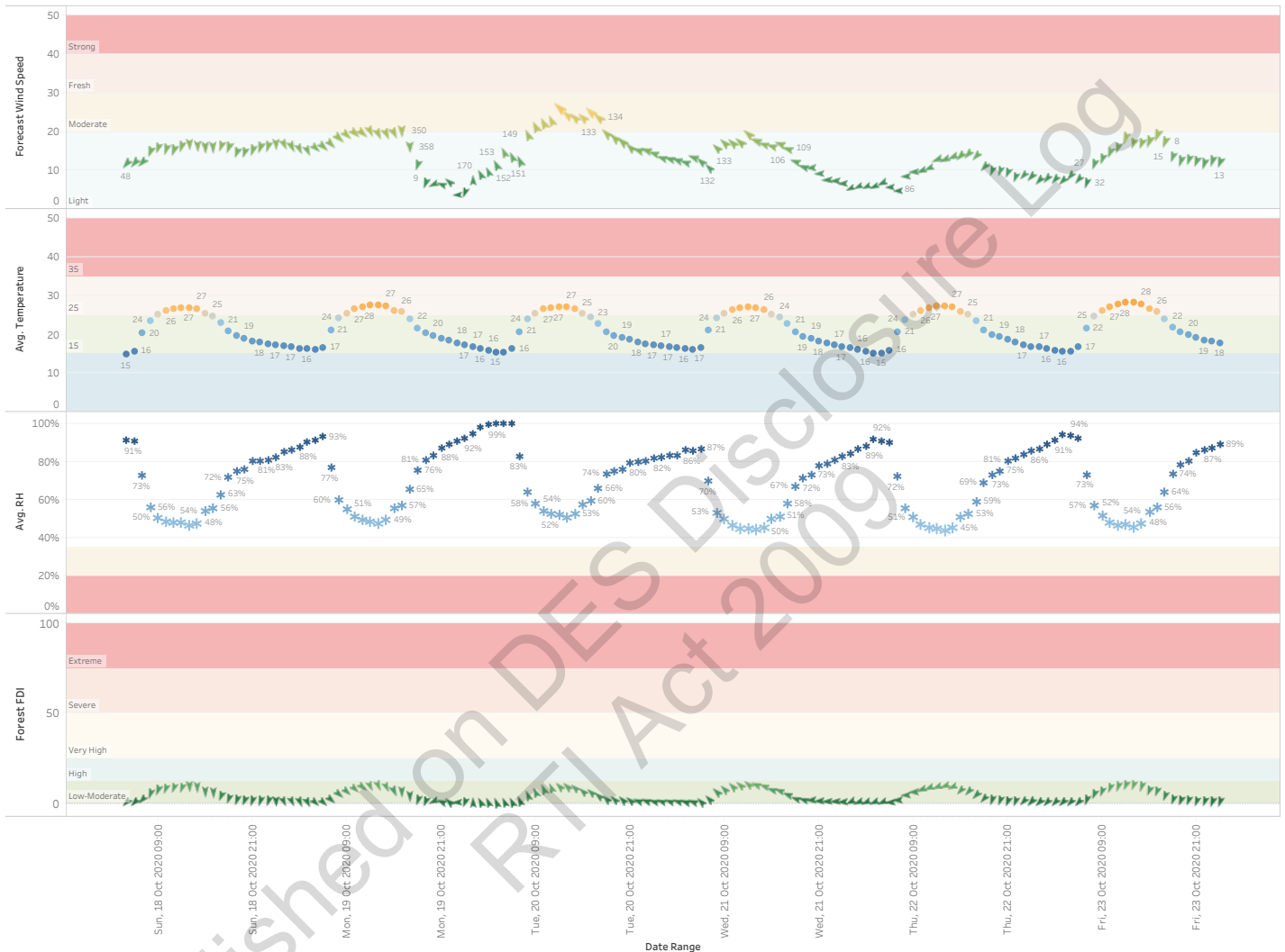
Monday, 19 October 2020	With a forecast peak daily fireline intensity of 8566kW/m in Heath using the Advanced Heath rate of spread model, Direct Attack on the head fire is potentially UNSAFE / backburning is potentially RISKY. Fire behaviour is likely to be a highly vigorous, rapidly spreading surface 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.

-----END OF REPORT-----

6 Day Look Ahead - Estimated Peak Daily FFDI / Fire Danger Rating for FRASER ISLAND

	Sun, October 18, 2020	Mon, October 19, 2020	Tue, October 20, 2020	Wed, October 21, 2020	Thu, October 22, 2020	Fri, October 23, 2020
FRASER ISLAND	9.3 Low-Moderate Drought Factor 10 Curing 50%	9.8 Low-Moderate Drought Factor 10 Curing 50%	9.3 Low-Moderate Drought Factor 10 Curing 50%	10.6 Low-Moderate Drought Factor 10 Curing 50%	9.5 Low-Moderate Drought Factor 10 Curing 50%	10.2 Low-Moderate Drought Factor 10 Curing 50%

6 Day Weather Graphs Forecast in the Vicinity of FRASER ISLAND



Detailed Weather Forecast in the Vicinity of FRASER ISLAND in NORTH COAST Region,
MARYBOROUGH Rural Area

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

Hour of Select Date Range	Forest Fire Danger Rating	Cardinal Wind Dir	Estimated Ignition / Carry Potential	Temperature (C)	Humidity (%)	Wind Direction (Degrees)	Wind Speed (km/hr)	FFDI	GFDI	Fine Fuel Moisture (%)
Sun, 18/10/20 04:00	Low-Moderate	NE	Null	15	91%	48	12	1	0.0	
Sun, 18/10/20 05:00	Low-Moderate	NE	Null	16	91%	43	12	1	0.0	
Sun, 18/10/20 06:00	Low-Moderate	NE	Null	20	73%	36	12	2	0.1	
Sun, 18/10/20 07:00	Low-Moderate	NNE	Null	24	56%	23	15	5	0.1	
Sun, 18/10/20 08:00	Low-Moderate	NNE	Null	25	50%	16	16	7	0.1	
Sun, 18/10/20 09:00	Low-Moderate	NNE	Null	26	48%	14	15	8	0.1	
Sun, 18/10/20 10:00	Low-Moderate	NNE	Null	27	48%	10	15	8	0.1	
Sun, 18/10/20 11:00	Low-Moderate	NNE	Null	27	48%	5	16	9	0.1	
Sun, 18/10/20 12:00	Low-Moderate	N	Null	27	47%	357	17	9	0.1	
Sun, 18/10/20 13:00	Low-Moderate	N	Null	27	48%	355	16	9	0.1	
Sun, 18/10/20 14:00	Low-Moderate	N	Null	25	54%	354	16	6	0.1	
Sun, 18/10/20 15:00	Low-Moderate	N	Null	25	56%	356	16	6	0.1	
Sun, 18/10/20 16:00	Low-Moderate	NNE	Null	23	63%	0	16	4	0.1	
Sun, 18/10/20 17:00	Low-Moderate	NNE	Null	21	72%	3	16	2	0.1	
Sun, 18/10/20 18:00	Low-Moderate	NNE	Null	20	75%	7	15	2	0.1	
Sun, 18/10/20 19:00	Low-Moderate	NNE	Null	19	76%	4	15	2	0.1	
Sun, 18/10/20 20:00	Low-Moderate	NNE	Null	18	81%	8	15	1	0.1	
Sun, 18/10/20 21:00	Low-Moderate	NNE	Null	18	81%	4	16	1	0.1	
Sun, 18/10/20 22:00	Low-Moderate	NNE	Null	18	81%	1	16	1	0.1	
Sun, 18/10/20 23:00	Low-Moderate	N	Null	17	83%	351	17	1	0.1	
Mon, 19/10/20 00:00	Low-Moderate	NNW	Null	17	85%	347	17	1	0.1	
Mon, 19/10/20 01:00	Low-Moderate	NNW	Null	17	86%	341	16	1	0.1	
Mon, 19/10/20 02:00	Low-Moderate	NNW	Null	16	88%	335	16	1	0.1	
Mon, 19/10/20 03:00	Low-Moderate	NNW	Null	16	90%	332	15	1	0.1	
Mon, 19/10/20 04:00	Low-Moderate	NW	Null	16	91%	322	16	1	0.1	
Mon, 19/10/20 05:00	Low-Moderate	NW	Null	17	93%	314	16	1	0.1	
Mon, 19/10/20 06:00	Low-Moderate	NW	Null	21	77%	306	17	2	0.1	
Mon, 19/10/20 07:00	Low-Moderate	NW	Null	24	60%	310	18	5	0.1	
Mon, 19/10/20 08:00	Low-Moderate	NW	Null	26	55%	312	19	7	0.1	
Mon, 19/10/20 09:00	Low-Moderate	NW	Null	27	51%	313	20	8	0.2	
Mon, 19/10/20 10:00	Low-Moderate	NW	Null	27	50%	321	20	9	0.2	
Mon, 19/10/20 11:00	Low-Moderate	NNW	Null	28	48%	329	20	10	0.2	
Mon, 19/10/20 12:00	Low-Moderate	NNW	Null	28	47%	336	19	10	0.2	
Mon, 19/10/20 13:00	Low-Moderate	NNW	Null	27	49%	341	19	9	0.2	
Mon, 19/10/20 14:00	Low-Moderate	NNW	Null	26	56%	346	20	7	0.2	
Mon, 19/10/20 15:00	Low-Moderate	N	Null	26	57%	350	20	6	0.2	
Mon, 19/10/20 16:00	Low-Moderate	N	Null	24	65%	358	16	4	0.1	
Mon, 19/10/20 17:00	Low-Moderate	NNE	Null	22	76%	9	11	2	0.1	
Mon, 19/10/20 18:00	Low-Moderate	NNE	Null	20	81%	33	7	1	0.0	
Mon, 19/10/20 19:00	Low-Moderate	ENE	Null	20	83%	70	6	1	0.0	
Mon, 19/10/20 20:00	Low-Moderate	ESE	Null	19	88%	114	6	1	0.0	
Mon, 19/10/20 21:00	Low-Moderate	SE	Null	18	89%	136	7	1	0.0	
Mon, 19/10/20 22:00	Low-Moderate	E	Null	18	91%	99	4	1	0.0	
Mon, 19/10/20 23:00	Low-Moderate	NNE	Null	17	92%	15	4	1	0.0	



Forecast Weather Summary

Day Number
Multiple values

Detailed Weather Forecast (2) in the Vicinity of FRASER ISLAND in NORTH COAST Region, MARYBOROUGH Rural Area

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

Hour of Select Date Range	Forest Fire Danger Rating	Cardinal Wind Dir	Estimated Ignition/ Carry Potential	Temperature (C)	Humidity (%)	Wind Direction (Degrees)	Wind Speed (km/hr)	FFDI	GFDI	Fine Fuel Moisture (%)
Tue, 20/10/20 00:00	Low-Moderate	S	Null	17	95%	170	8	0	0.0	
Tue, 20/10/20 01:00	Low-Moderate	SSE	Null	16	98%	164	9	0	0.0	
Tue, 20/10/20 02:00	Low-Moderate	SSE	Null	16	99%	158	10	0	0.0	
Tue, 20/10/20 03:00	Low-Moderate	SSE	Null	15	100%	152	11	0	0.0	
Tue, 20/10/20 04:00	Low-Moderate	SSE	Null	15	100%	153	15	0	0.0	
Tue, 20/10/20 05:00	Low-Moderate	SSE	Null	16	100%	153	14	0	0.0	
Tue, 20/10/20 06:00	Low-Moderate	SSE	Null	21	83%	151	12	1	0.1	
Tue, 20/10/20 07:00	Low-Moderate	SSE	Null	24	64%	149	19	4	0.1	
Tue, 20/10/20 08:00	Low-Moderate	SSE	Null	25	58%	149	21	6	0.2	
Tue, 20/10/20 09:00	Low-Moderate	SSE	Null	27	54%	153	22	8	0.2	
Tue, 20/10/20 10:00	Low-Moderate	SSE	Null	27	53%	150	23	8	0.2	
Tue, 20/10/20 11:00	Low-Moderate	SE	Null	27	52%	145	26	9	0.3	
Tue, 20/10/20 12:00	Low-Moderate	SE	Null	27	51%	140	24	9	0.2	
Tue, 20/10/20 13:00	Low-Moderate	SE	Null	27	53%	139	24	8	0.2	
Tue, 20/10/20 14:00	Low-Moderate	SE	Null	25	58%	137	24	7	0.2	
Tue, 20/10/20 15:00	Low-Moderate	SE	Null	24	60%	136	25	6	0.2	
Tue, 20/10/20 16:00	Low-Moderate	SE	Null	23	66%	134	24	4	0.2	
Tue, 20/10/20 17:00	Low-Moderate	SE	Null	21	74%	133	20	2	0.1	
Tue, 20/10/20 18:00	Low-Moderate	SE	Null	20	75%	131	18	2	0.1	
Tue, 20/10/20 19:00	Low-Moderate	SE	Null	19	76%	129	17	2	0.1	
Tue, 20/10/20 20:00	Low-Moderate	SE	Null	19	80%	126	16	1	0.1	
Tue, 20/10/20 21:00	Low-Moderate	ESE	Null	18	80%	123	15	1	0.1	
Tue, 20/10/20 22:00	Low-Moderate	ESE	Null	18	81%	122	15	1	0.1	
Tue, 20/10/20 23:00	Low-Moderate	ESE	Null	17	82%	119	14	1	0.1	
Wed, 21/10/20 00:00	Low-Moderate	ESE	Null	17	83%	117	13	1	0.0	
Wed, 21/10/20 01:00	Low-Moderate	ESE	Null	17	84%	117	13	1	0.0	
Wed, 21/10/20 02:00	Low-Moderate	ESE	Null	17	84%	117	13	1	0.0	
Wed, 21/10/20 03:00	Low-Moderate	ESE	Null	16	86%	117	12	1	0.0	
Wed, 21/10/20 04:00	Low-Moderate	ESE	Null	16	86%	122	13	1	0.0	
Wed, 21/10/20 05:00	Low-Moderate	SE	Null	17	87%	127	12	1	0.0	
Wed, 21/10/20 06:00	Low-Moderate	SE	Null	21	70%	132	11	2	0.1	
Wed, 21/10/20 07:00	Low-Moderate	SE	Null	24	53%	133	16	6	0.1	
Wed, 21/10/20 08:00	Low-Moderate	SE	Null	25	50%	135	17	8	0.1	
Wed, 21/10/20 09:00	Low-Moderate	SE	Null	26	46%	137	17	9	0.1	
Wed, 21/10/20 10:00	Low-Moderate	SE	Null	27	45%	131	17	10	0.2	
Wed, 21/10/20 11:00	Low-Moderate	SE	Null	27	45%	126	19	11	0.2	
Wed, 21/10/20 12:00	Low-Moderate	ESE	Null	27	45%	120	18	10	0.2	
Wed, 21/10/20 13:00	Low-Moderate	ESE	Null	26	45%	117	17	10	0.1	
Wed, 21/10/20 14:00	Low-Moderate	ESE	Null	25	50%	113	16	8	0.1	
Wed, 21/10/20 15:00	Low-Moderate	ESE	Null	24	51%	111	17	7	0.1	
Wed, 21/10/20 16:00	Low-Moderate	ESE	Null	23	58%	109	16	5	0.1	
Wed, 21/10/20 17:00	Low-Moderate	ESE	Null	21	67%	106	12	3	0.1	
Wed, 21/10/20 18:00	Low-Moderate	ESE	Null	19	72%	103	11	2	0.0	
Wed, 21/10/20 19:00	Low-Moderate	E	Null	19	73%	100	11	2	0.0	
Wed, 21/10/20 20:00	Low-Moderate	E	Null	18	78%	97	9	1	0.0	
Wed, 21/10/20 21:00	Low-Moderate	E	Null	18	79%	94	8	1	0.0	
Wed, 21/10/20 22:00	Low-Moderate	E	Null	17	81%	88	7	1	0.0	
Wed, 21/10/20 23:00	Low-Moderate	E	Null	17	83%	82	7	1	0.0	



Forecast Weather Summary

Day Number
Multiple values

Detailed Weather Forecast (3) in the Vicinity of FRASER ISLAND in NORTH COAST Region, MARYBOROUGH Rural Area

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

Hour of Select Date Range	Forest Fire Danger Rating	Cardinal Wind Dir	Estimated Ignition / Carry Potential	Temperature (C)	Humidity (%)	Wind Direction (Degrees)	Wind Speed (km/hr)	FFDI	GFDI	Fine Fuel Moisture (%)
Thu, 22/10/20 00:00	Low-Moderate	ENE	Null	17	85%	76	5	1	0.02	
Thu, 22/10/20 01:00	Low-Moderate	ENE	Null	16	87%	70	6	1	0.02	
Thu, 22/10/20 02:00	Low-Moderate	ENE	Null	16	89%	71	6	1	0.02	
Thu, 22/10/20 03:00	Low-Moderate	ENE	Null	15	92%	68	6	0	0.02	
Thu, 22/10/20 04:00	Low-Moderate	ENE	Null	15	91%	73	7	1	0.02	
Thu, 22/10/20 05:00	Low-Moderate	E	Null	16	90%	85	6	1	0.02	
Thu, 22/10/20 06:00	Low-Moderate	E	Null	21	72%	82	5	2	0.02	
Thu, 22/10/20 07:00	Low-Moderate	E	Null	24	56%	86	8	5	0.05	
Thu, 22/10/20 08:00	Low-Moderate	E	Null	25	51%	81	10	6	0.07	
Thu, 22/10/20 09:00	Low-Moderate	ENE	Null	26	47%	76	10	8	0.07	
Thu, 22/10/20 10:00	Low-Moderate	ENE	Null	27	45%	73	11	8	0.08	
Thu, 22/10/20 11:00	Low-Moderate	ENE	Null	27	45%	69	13	9	0.11	
Thu, 22/10/20 12:00	Low-Moderate	ENE	Null	27	44%	66	13	9	0.11	
Thu, 22/10/20 13:00	Low-Moderate	ENE	Null	27	45%	63	14	9	0.11	
Thu, 22/10/20 14:00	Low-Moderate	NE	Null	26	51%	54	14	7	0.10	
Thu, 22/10/20 15:00	Low-Moderate	NE	Null	25	53%	47	14	6	0.10	
Thu, 22/10/20 16:00	Low-Moderate	NE	Null	23	59%	41	14	4	0.08	
Thu, 22/10/20 17:00	Low-Moderate	NE	Null	21	69%	35	11	2	0.05	
Thu, 22/10/20 18:00	Low-Moderate	NNE	Null	20	73%	29	10	2	0.04	
Thu, 22/10/20 19:00	Low-Moderate	NNE	Null	19	75%	32	10	2	0.04	
Thu, 22/10/20 20:00	Low-Moderate	NNE	Null	19	81%	32	9	1	0.04	
Thu, 22/10/20 21:00	Low-Moderate	NNE	Null	18	82%	34	8	1	0.03	
Thu, 22/10/20 22:00	Low-Moderate	NE	Null	17	84%	36	9	1	0.03	
Thu, 22/10/20 23:00	Low-Moderate	NE	Null	17	86%	55	8	1	0.03	
Fri, 23/10/20 00:00	Low-Moderate	NE	Null	17	87%	53	7	1	0.03	
Fri, 23/10/20 01:00	Low-Moderate	NE	Null	16	89%	50	8	1	0.03	
Fri, 23/10/20 02:00	Low-Moderate	NE	Null	16	91%	48	8	1	0.02	
Fri, 23/10/20 03:00	Low-Moderate	NE	Null	16	94%	45	7	0	0.02	
Fri, 23/10/20 04:00	Low-Moderate	NE	Null	16	94%	41	9	0	0.03	
Fri, 23/10/20 05:00	Low-Moderate	NE	Null	17	92%	36	8	1	0.02	
Fri, 23/10/20 06:00	Low-Moderate	NNE	Null	22	73%	32	7	2	0.03	
Fri, 23/10/20 07:00	Low-Moderate	NNE	Null	25	57%	27	12	5	0.07	
Fri, 23/10/20 08:00	Low-Moderate	NNE	Null	26	52%	22	13	7	0.09	
Fri, 23/10/20 09:00	Low-Moderate	NNE	Null	27	48%	18	15	9	0.12	
Fri, 23/10/20 10:00	Low-Moderate	NNE	Null	28	47%	17	16	9	0.13	
Fri, 23/10/20 11:00	Low-Moderate	NNE	Null	28	47%	12	18	10	0.16	
Fri, 23/10/20 12:00	Low-Moderate	NNE	Null	28	46%	14	17	10	0.15	
Fri, 23/10/20 13:00	Low-Moderate	NNE	Null	28	48%	13	17	9	0.15	
Fri, 23/10/20 14:00	Low-Moderate	NNE	Null	27	54%	2	17	7	0.13	
Fri, 23/10/20 15:00	Low-Moderate	NNE	Null	26	56%	11	19	6	0.14	
Fri, 23/10/20 16:00	Low-Moderate	NNE	Null	24	64%	8	17	4	0.11	
Fri, 23/10/20 17:00	Low-Moderate	NNE	Null	22	74%	15	13	2	0.06	
Fri, 23/10/20 18:00	Low-Moderate	NNE	Null	21	78%	17	12	2	0.05	
Fri, 23/10/20 19:00	Low-Moderate	NNE	Null	20	80%	14	13	1	0.05	
Fri, 23/10/20 20:00	Low-Moderate	NNE	Null	19	85%	22	12	1	0.05	
Fri, 23/10/20 21:00	Low-Moderate	NNE	Null	19	87%	12	12	1	0.04	
Fri, 23/10/20 22:00	Low-Moderate	NNE	Null	18	88%	12	12	1	0.04	
Fri, 23/10/20 23:00	Low-Moderate	NNE	Null	18	89%	13	12	1	0.04	



Examples of Various Fireline Intensities (Note these are estimates)



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 to 3 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

Date : 20/10/2020 11:06:39 AM
From : "DARGUSCH Marc"
To : "Andrew Marnie"
Cc : "KUSKIE James" , "LAVENDER Sven"
Subject : RE: Large Air Tanker drop
Attachment : image001.jpg;
[Thanks Andrew](#)

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Tuesday, 20 October 2020 10:50 AM
To: KUSKIE James; KUSKIE James; DARGUSCH Marc; LAVENDER Sven
Subject: Large Air Tanker drop

Hi

Line in purple is proposed drop line. James and I had a yarn re best line

Cheers

Andrew

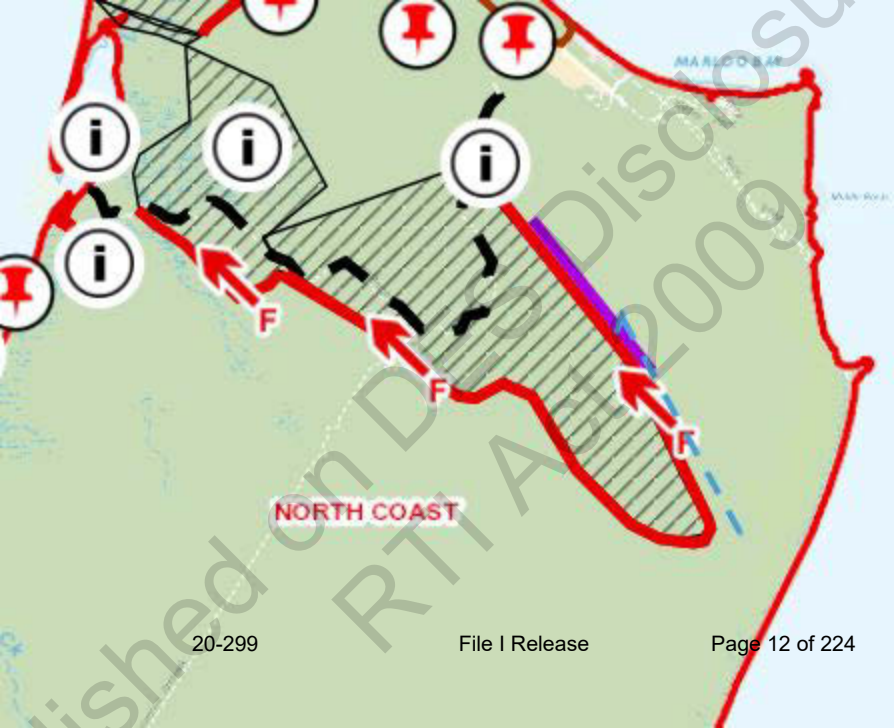
Andrew Marnie
Bushfire Safety Office
North Coast Region

Personal information



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Date : 22/10/2020 11:38:14 AM

From : "DARGUSCH Marc"

To : "mark.pomeroy@qfes.qld.gov.au"

Subject : QFES stance/modelling

Hi Mark – how'd you go with the background work on the Orchid Beach tactics/modelling from QFES angle ?

Many thanks, Marc

Personal

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RTI Act 2009

Date : 22/10/2020 4:55:02 PM

From : "DARGUSCH Marc"

To : "Mark Pomeroy"

Cc : "PALMER Matt"

Subject : RE: A few Notes

Attachment : image001.jpg;

Great, thanks Mark – I've just sent an email to my RD further outlining my concerns and underlining the hurt that this type of thing causes to a local community (and in turn to QPWS community relations). I have included a precis of your concerns but did not on-forward your email or name you.

Anyways, I hope this gets things across the line.

Thanks to you and Matt for ongoing work in this space.

Regards, Marc

From: Mark Pomeroy <Mark.Pomeroy@qfes.qld.gov.au>

Sent: Thursday, 22 October 2020 3:53 PM

To: DARGUSCH Marc

Cc: PALMER Matt

Subject: A few Notes

Hi Marc

Just a few notes on the need for approval to burn out from the western side of Orchid Beach.

- N to NNW winds predicted from Saturday 1300hrs, likely to increase rate of spread of the fire towards Orchid Beach from the east and north and make burning out operations very difficult beyond Saturday morning
- Fire to the east is only 800m from Orchid Beach in places
- Window of opportunity to undertake burning is closing
- If burning does not happen, there is a chance that fire will need to be fought from the Orchid Beach Township, with the potential for impact on properties
- Notice is required to get sufficient crews in place to undertake burning operations
- Predicted storm activity may increase wind strengths and change direction to make fire behaviour more challenging to predict
- Most of the proposed area to be burned will likely burn as part of the main fire anyway

Regards.

Mark Pomeroy
Acting Area Training & Support Officer



Maryborough Area Office
Rural Fire Service
Queensland Fire and Emergency Services

Phone: (07) 4122 0337

Mobile: Personal info

Email: Mark.Pomeroy@qfes.qld.gov.au

Web: www.ruralfire.qld.gov.au

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Date : 22/10/2020 1:50:22 PM
From : "DARGUSCH Marc"
To : "Mark Pomeroy"
Cc : "PALMER Matt"
Subject : RE: Sit Rep and burn approval 22 10 20
Attachment : image001.jpg;

Thanks Mark

From: Mark Pomeroy <Mark.Pomeroy@qfes.qld.gov.au>
Sent: Thursday, 22 October 2020 1:36 PM
To: DARGUSCH Marc
Cc: PALMER Matt
Subject: RE: Sit Rep and burn approval 22 10 20

Hi Marc

We don't have a new model due to current conditions. I'll see if I can get something, but can't promise anything.

Attached is the latest mapping.

Regards

Mark Pomeroy
Acting Area Training & Support Officer



Maryborough Area Office
Rural Fire Service
Queensland Fire and Emergency Services

Phone: (07) 4122 0337
Mobile: Personal info
Email: Mark.Pomeroy@qfes.qld.gov.au
Web: www.ruralfire.qld.gov.au

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>
Sent: Thursday, 22 October 2020 1:21 PM
To: Mark Pomeroy <Mark.Pomeroy@qfes.qld.gov.au>
Cc: PALMER Matt <Matt.Palmer@des.qld.gov.au>
Subject: RE: Sit Rep and burn approval 22 10 20

Thanks Mark – is there and supportive modelling predictions to put with this ?

Ta, Marc

From: Mark Pomeroy <Mark.Pomeroy@qfes.qld.gov.au>
Sent: Thursday, 22 October 2020 1:10 PM
To: DARGUSCH Marc
Cc: PALMER Matt
Subject: FW: Sit Rep and burn approval 22 10 20

Mark Pomeroy
Acting Area Training & Support Officer



Maryborough Area Office
Rural Fire Service
Queensland Fire and Emergency Services

Phone: (07) 4122 0337
Mobile: Personal info
Email: Mark.Pomeroy@qfes.qld.gov.au
Web: www.ruralfire.qld.gov.au

From: Mark Pomeroy
Sent: Thursday, 22 October 2020 1:08 PM
To: Peter C Roberts <Peter.Roberts2@qfes.qld.gov.au>
Subject: Sit Rep and burn approval 22 10 20

Hi Pedro

Can you please send on to others for me.

Also I will send to parks Principal Ranger to help with their planning.

Mark Pomeroy
Acting Area Training & Support Officer



Maryborough Area Office
Rural Fire Service
Queensland Fire and Emergency Services

Phone: (07) 4122 0337

Mobile: Personal info

Email: Mark.Pomeroy@qfes.qld.gov.au

Web: www.ruralfire.qld.gov.au

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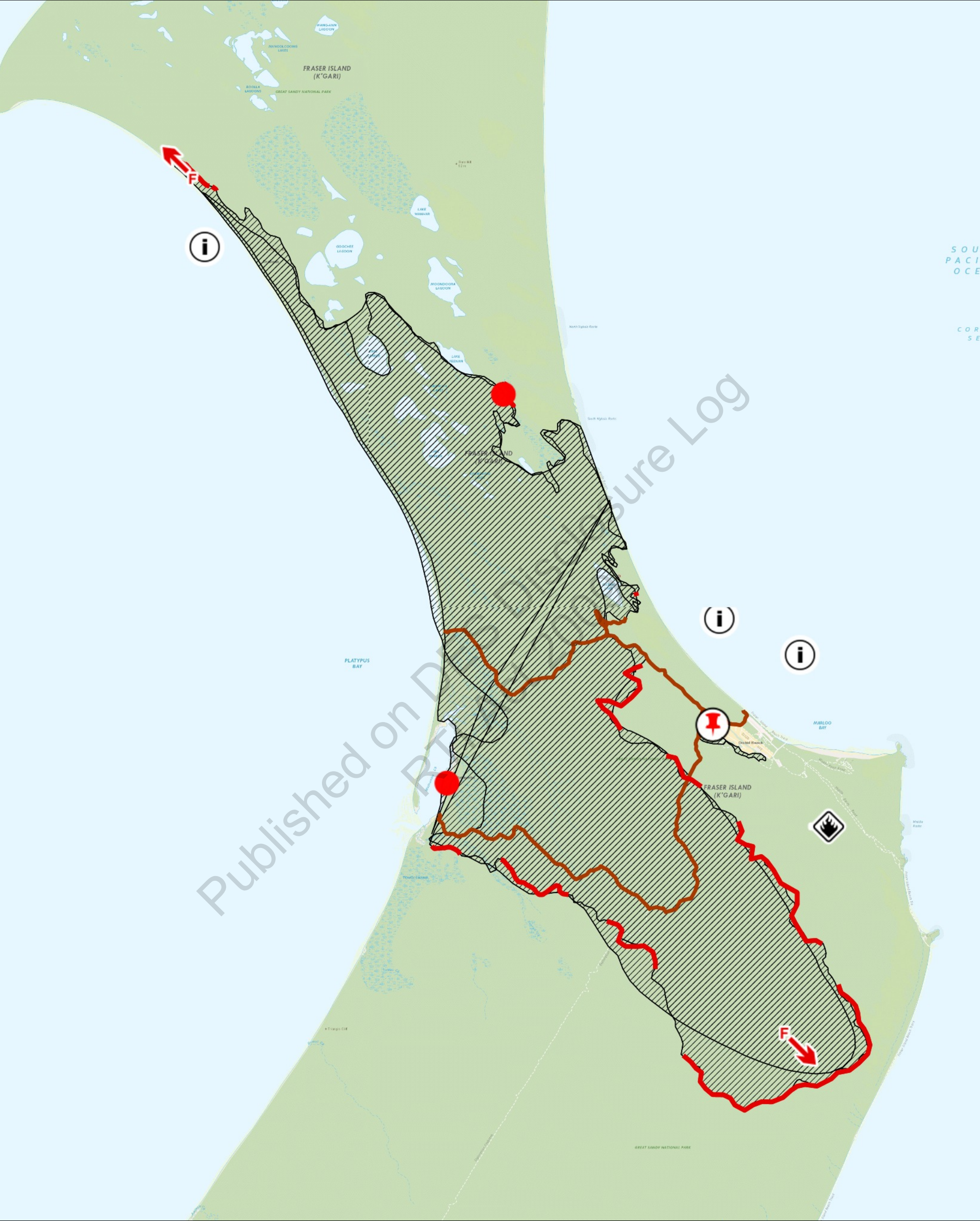
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When printed at A3 - 1:100,000
0 2.00 4.00
Kilometres
WGS_1984_Web_Mercator_Auxiliary_Sphere



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A3 map produced on:
October 22, 2020 1:31:16 PM

File | Release

Legend

- QFES Vessel
- Fire Direction
 - Fire E
 - Fire N
 - Fire NE
 - Fire NW
 - Fire S
 - Fire SE
 - Fire SW
 - Fire W
- Fire Points
 - Control Centre
 - Divisional Boundary
- Evacuation Area
- Fire
 - Fire - Point of Origin
 - Fire Appliance
 - Fire Hot Spot
- General Asset
- Note
- POI
- Refuge Area
- Road Closed
- Sector Boundary
- Spot Fire
- Threatened Asset
- Water Point
- 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
- Fire Areas

Date : 23/10/2020 10:42:50 AM

From : "DARGUSCH Marc"

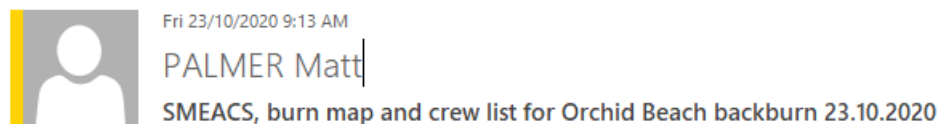
To : "Mark Pomeroy" , "PALMER Matt"

Cc : "MCRAE Moyra" , "CUBIS Mick" , "DARGUSCH Anthony" , "YETMAN Brendon" , "HARVEY Peter" , "Fire Advice"

Subject : Duling CZ burn approval - 23Oct2020

Attachment : Burn Plan Fraser 23 10 20.pdf;image002.png;image003.png;image004.png;image005.jpg;

Guys – given previous discussion and review of latest aerial surveillance/burn plan/current forecast. **Approval to burn is given.** Please take action as documented in previously submitted planning docs:



To ☒ DARGUSCH Marc; ☐ Mark Pomeroy

Cc ☐ Fitzpatrick.ShaneB[CR]; ☐ 'paulfishburn4581@bigpond.com'

You forwarded this message on 23/10/2020 9:35 AM.



Thanks to you and your teams for all the quality work on this.

Mark – can you please send me your Liaison Officers name/contact details so that Moyra from IMT can make communication with her.

Enjoy the day and continue to keep your teams safe.

Regards, Marc



Marc Dargusch

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

M **Personahinf** 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: Mark Pomeroy <Mark.Pomeroy@qfes.qld.gov.au>

Sent: Friday, 23 October 2020 10:32 AM

To: DARGUSCH Marc; PALMER Matt

Subject: Burn Plan Map

FYI

Mark Pomeroy
Acting Area Training & Support Officer



Maryborough Area Office
Rural Fire Service
Queensland Fire and Emergency Services

Phone: (07) 4122 0337

Mobile: **Personahinf**

Email: Mark.Pomeroy@qfes.qld.gov.au

Web: www.ruralfire.qld.gov.au

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Legend

- QFES Vessel
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 - Back Burn - Completed
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 - Fire Control Line - Planned
 - Fire Edge - Active
 - Fire Edge - Predicted
 - Powerlines
 - Sector Boundary
- Fire Areas
 - Burnt Area - Current
 - Control Area

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0 0.64 1.27
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This map was automatically generated using Geocortex Essentials.



A3 map produced at:
October 23, 2020 10:25:43 AM

Date : 23/10/2020 9:56:42 AM

From : "DARGUSCH Marc"

To : "Mark Pomeroy"

Cc : "MCRAE Moyra" , "PALMER Matt"

Subject : FW: Comms for wildfire - Duling CZ

Attachment : image001.png;image003.png;image004.png;

Hi Mark – Do you think the QFES liaison officer can work to inform Orchid Beach residents/accommodation/commerce ? Note that this is in preparation for approval.

Regards, Marc



Marc Dargusch

Principal Ranger – Great Sandy Area

Coastal and Islands Region | QPWS and Partnerships

Department of Environment and Science

M **Personal in** 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: Friday, 23 October 2020 9:30 AM

To: MCRAE Moyra

Cc: BOWMAN Diane; PALMER Matt; 'Mark Pomeroy'; YETMAN Brendon; HARVEY Peter; MACDONALD Stirling; BARRACLOUGH Emma

Subject: Comms for wildfire - Duling CZ

Hi Moyra –great to talk. *I haven't given final approval for the burn today, I'm awaiting feed from aerial surveillance. I will let you know when green button pushed* but Please prep re convo and below:

Main messages

Wildfire management in the vicinity of Orchid Beach and Middle Rocks

Access between Middle Rocks (Champagne Pools) and Orchid Beach (locally known as the 'in track') will be affected between 2 and 6pm.

There could be **considerable delays** using the 'in track' from Middle Rocks to Orchid Beach this afternoon due to a wildfire that is currently in this area. Please take direction from QPS and/or QPWS Officers.

Jobs from here:

Our systems

- ParkAlert
- Talk to TS-VM to send email to CTOs
- See if we can get above email to accommodation providers (Moyra to talk to Brendon/Jenna)
- SMS to all permit holders:
 - Campers
 - VAP holders ?
- Do we need to upgrade FICR

Other comms:

- QPWS Facebook
- Twitter or others ?

Media

- Look at engage with Media Unit to get out at least on radio that this might happen

MD to talk to Mark Pomeroy QFES to see if their liaison officer can work to inform Orchid Beach residents/accommodation/commerce Note that this is in preparation for approval.

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

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Date : 24/10/2020 11:14:30 AM

From : "DARGUSCH Marc"

To : "stephen.lewin@qfes.qld.gov.au"

Cc : "PALMER Matt" , "Mark Pomeroy"

Subject : FW: SNAP Report 24 10 2020

Attachment : Fraser 24 10 2020 Fire Behaviour Summary by Incident.pdf;image001.jpg;

Hi Steve – not sure about peak intensity level in attached It appears way too low + I'm thinking no way of backburning in current conditions.

Grateful if you check this.

Regards, Marc

From: Mark Pomeroy <Mark.Pomeroy@qfes.qld.gov.au>

Sent: Saturday, 24 October 2020 8:27 AM

To: DARGUSCH Marc; PALMER Matt

Cc: Peter C Roberts

Subject: SNAP Report 24 10 2020

Guys

FYI.. Adding model at 2m Heath Height makes little difference to the rate of spread modelling.

Regards.

Mark Pomeroy

Acting Area Training & Support Officer



Maryborough Area Office

Rural Fire Service

Queensland Fire and Emergency Services

Phone: (07) 4122 0337

Mobile: Personal info

Email: Mark.Pomeroy@qfes.qld.gov.au

Web: www.ruralfire.qld.gov.au

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

STEP 2 - ROS Model
Woodland (<30% Canopy)

STEP 3 - Forest Fuel Load (t/ha)
17.00t/ha

STEP 4 - Heath Height (m)
1.5m

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 Saturday, 24 October 2020

Fire Loc: Lat:-24.912 Long: 153.2777

Using Woodland (<30% Canopy) Rate of Spread Model, Slope = 0Deg

Based on BOM Forecast Data Updated @ 24/10/2020 8:01:07 AM

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

HEADFIRE SAFETY: Forecast peak intensity 214kW/m @ 12:00hr on 24th of October. Direct Attack on the headfire / Backburning is considered SAFE and EFFECTIVE. Expect around 0hr above 4000kW/m

FLANK FIRE SAFETY: Forecast peak intensity 14kW/m @ 12:00hr on 24th 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 31km/hr from the North North West

RATES OF SPREAD: In Woodland (<30% Canopy) expect headfire travelling South South East peaking in speed around 104m/hr @ 12:00hr, with flanks spreading around 7m/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 11% 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

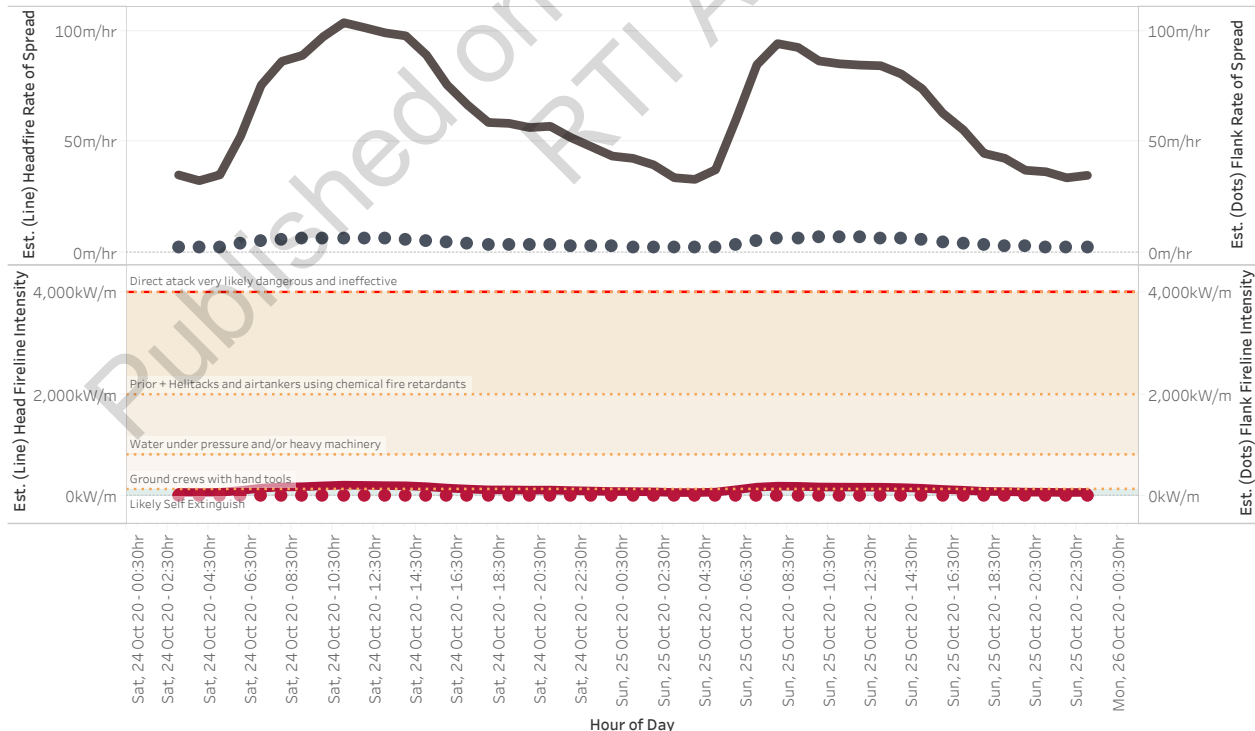
Indicative Peak Forest Spotting Distance
Today: None



Today's Peak Grass Fire Danger

0.1
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 Sat, 24 Oct 20 - 03:00hr to Sun, 25 Oct 20 - 23:00hr in Woodland (<30% Canopy) Assumed Slope = 0Deg



Disclaimer

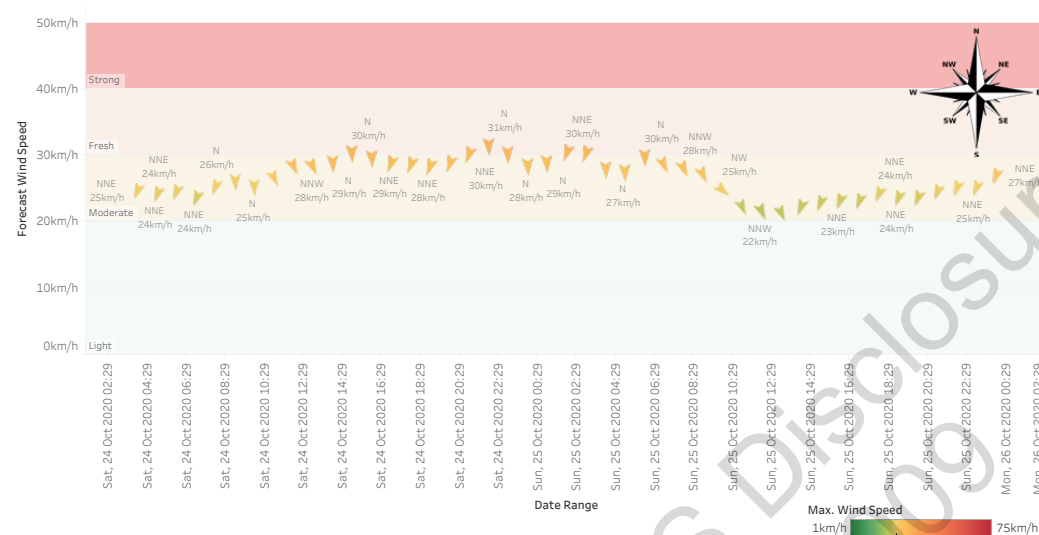
This Fire Behaviour Prediction Snap Report ('this Report') is provided solely for information purposes and is not to be construed, under any circumstances, by implication or otherwise, as anything other than as the opinions of the Queensland Fire and Emergency Services Predictive Services Unit in relation 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.



Sat, October 24, 2020	Sun, October 25, 2020	Mon, October 26, 2020	Tue, October 27, 2020	Wed, October 28, 2020	Thu, October 29, 2020
-----------------------	-----------------------	-----------------------	-----------------------	-----------------------	-----------------------

QF4-20-116117 FRASER ISLAND	0.1 Low-Moderate	0.1 Low-Moderate	0.0 Low-Moderate	0.0 Low-Moderate	0.0 Low-Moderate	0.0 Low-Moderate
-----------------------------	---------------------	---------------------	---------------------	---------------------	---------------------	---------------------

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 Woodland (<30% Canopy) Fuel, Slope = 0Deg

Sunday, 25 October 2020	<p>With a forecast peak daily fireline intensity of 195kW/m in Woodland (<30% Canopy) fuel, Direct Attack / backburning are likely to be SAFE and EFFECTIVE strategies. Fire behaviour is likely to be a moderately vigorous, readily spreading understorey grass fire with an estimated peak daily headfire forward rate of spread of 94m/hr and flank rate of spread on flat ground of 7m/hr. This is the most common Queensland fuel type with many pastoral areas having enhanced pasture or natural grasses under sporadic and sparse trees.</p>
Monday, 26 October 2020	<p>With a forecast peak daily fireline intensity of 180kW/m in Woodland (<30% Canopy) fuel, Direct Attack / backburning are likely to be SAFE and EFFECTIVE strategies. Fire behaviour is likely to be a moderately vigorous, readily spreading understorey grass fire with an estimated peak daily headfire forward rate of spread of 87m/hr and flank rate of spread on flat ground of 7m/hr. This is the most common Queensland fuel type with many pastoral areas having enhanced pasture or natural grasses under sporadic and sparse trees.</p>
Tuesday, 27 October 2020	<p>With a forecast peak daily fireline intensity of 145kW/m in Woodland (<30% Canopy) fuel, Direct Attack / backburning are likely to be SAFE and EFFECTIVE strategies. Fire behaviour is likely to be a moderately vigorous, readily spreading understorey grass fire with an estimated peak daily headfire forward rate of spread of 70m/hr and flank rate of spread on flat ground of 6m/hr. This is the most common Queensland fuel type with many pastoral areas having enhanced pasture or natural grasses under sporadic and sparse trees.</p>

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.	<p>Level 1 Incidents</p> <p>The Incident Controller must seek approval from the Regional Manager RFS or Commander Regional Operations (or their delegate).</p> <p>Level 2 or 3 Incidents</p> <p>The Incident Controller appointed by the Regional Manager RFS or Commander Regional Operations can approve as part of a formalised and documented IAP.</p>



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 supersede 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 03:00	South South West	Difficult, Patchy	18	95	22	25km/h	0.0	0.8	19%	35m/hr
Sat, 24/10/20 04:00	South South West	Difficult, Patchy	18	96	21	24km/h	0.0	0.7	19%	32m/hr
Sat, 24/10/20 05:00	South South West	Difficult, Patchy	18	95	14	24km/h	0.0	0.8	19%	35m/hr
Sat, 24/10/20 06:00	South South West	Difficult, Patchy	22	79	13	24km/h	0.0	2.1	16%	52m/hr
Sat, 24/10/20 07:00	South South West	Sustained	25	64	10	25km/h	0.0	5.3	13%	76m/hr
Sat, 24/10/20 08:00	South	Readily Sustained	27	57	354	26km/h	0.0	7.5	12%	86m/hr
Sat, 24/10/20 09:00	South	Readily Sustained	28	55	350	25km/h	0.0	8.5	12%	89m/hr
Sat, 24/10/20 10:00	South South East	Readily Sustained	29	53	348	27km/h	0.1	9.7	11%	97m/hr
Sat, 24/10/20 11:00	South South East	Readily Sustained	29	52	346	28km/h	0.1	10.2	11%	104m/hr
Sat, 24/10/20 12:00	South South East	Readily Sustained	29	54	349	28km/h	0.1	9.6	11%	101m/hr
Sat, 24/10/20 13:00	South	Readily Sustained	28	56	357	29km/h	0.1	8.8	12%	99m/hr
Sat, 24/10/20 14:00	South	Readily Sustained	27	59	357	30km/h	0.1	7.8	12%	98m/hr
Sat, 24/10/20 15:00	South	Sustained	26	63	354	30km/h	0.0	6.1	13%	89m/hr
Sat, 24/10/20 16:00	South South West	Sustained	24	71	1	29km/h	0.0	3.9	14%	76m/hr
Sat, 24/10/20 17:00	South South West	Sustained	23	77	7	29km/h	0.0	2.8	16%	67m/hr
Sat, 24/10/20 18:00	South South West	Difficult, Patchy	22	83	7	28km/h	0.0	2.0	16%	59m/hr
Sat, 24/10/20 19:00	South South West	Difficult, Patchy	21	83	2	29km/h	0.0	2.0	17%	58m/hr
Sat, 24/10/20 20:00	South South West	Difficult, Patchy	21	86	3	30km/h	0.0	1.7	17%	56m/hr
Sat, 24/10/20 21:00	South	Difficult, Patchy	21	87	360	31km/h	0.0	1.6	17%	57m/hr
Sat, 24/10/20 22:00	South	Difficult, Patchy	20	89	360	30km/h	0.0	1.4	18%	52m/hr
Sat, 24/10/20 23:00	South	Difficult, Patchy	20	90	356	28km/h	0.0	1.3	18%	48m/hr
Sun, 25/10/20 00:00	South	Difficult, Patchy	19	94	356	29km/h	0.0	1.0	19%	44m/hr
Sun, 25/10/20 01:00	South South West	Difficult, Patchy	19	96	1	30km/h	0.0	0.9	19%	43m/hr
Sun, 25/10/20 02:00	South South West	Difficult, Patchy	19	98	0	30km/h	0.0	0.8	19%	40m/hr
Sun, 25/10/20 03:00	South	Difficult, Patchy	18	100	354	28km/h	0.0	0.7	20%	34m/hr
Sun, 25/10/20 04:00	South	Difficult, Patchy	18	100	353	27km/h	0.0	0.7	20%	33m/hr
Sun, 25/10/20 05:00	South	Difficult, Patchy	19	100	354	30km/h	0.0	0.8	19%	37m/hr
Sun, 25/10/20 06:00	South South East	Difficult, Patchy	23	83	348	29km/h	0.0	2.1	16%	60m/hr
Sun, 25/10/20 07:00	South South East	Sustained	27	64	341	28km/h	0.0	5.8	13%	85m/hr
Sun, 25/10/20 08:00	South South East	Readily Sustained	29	57	333	27km/h	0.1	8.5	12%	94m/hr
Sun, 25/10/20 09:00	South East	Readily Sustained	30	53	324	25km/h	0.0	9.4	11%	92m/hr
Sun, 25/10/20 10:00	South South East	Readily Sustained	30	52	328	22km/h	0.0	9.6	11%	86m/hr
Sun, 25/10/20 11:00	South South East	Readily Sustained	30	51	334	22km/h	0.0	9.8	11%	85m/hr
Sun, 25/10/20 12:00	South South East	Readily Sustained	31	51	348	21km/h	0.0	9.8	11%	85m/hr
Sun, 25/10/20 13:00	South South West	Readily Sustained	30	54	0	22km/h	0.0	9.0	11%	84m/hr
Sun, 25/10/20 14:00	South South West	Readily Sustained	29	57	8	23km/h	0.0	7.7	12%	80m/hr
Sun, 25/10/20 15:00	South South West	Readily Sustained	27	62	1	23km/h	0.0	5.9	13%	74m/hr
Sun, 25/10/20 16:00	South South West	Sustained	25	72	3	23km/h	0.0	3.6	14%	63m/hr
Sun, 25/10/20 17:00	South South West	Sustained	24	80	6	24km/h	0.0	2.3	16%	55m/hr
Sun, 25/10/20 18:00	South South West	Difficult, Patchy	22	89	3	24km/h	0.0	1.4	17%	45m/hr
Sun, 25/10/20 19:00	South South West	Difficult, Patchy	22	90	5	24km/h	0.0	1.3	18%	43m/hr
Sun, 25/10/20 20:00	South South West	Difficult, Patchy	21	96	22	24km/h	0.0	0.9	19%	37m/hr
Sun, 25/10/20 21:00	South South West	Difficult, Patchy	21	98	22	25km/h	0.0	0.9	19%	36m/hr
Sun, 25/10/20 22:00	South South West	Difficult, Patchy	20	100	13	25km/h	0.0	0.8	19%	34m/hr
Sun, 25/10/20 23:00	South South West	Difficult, Patchy	20	100	5	27km/h	0.0	0.8	19%	35m/hr



Forecast Weather Summary

Day Number
Multiple values

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 supersede 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
Mon, 26/10/20 00:00	South	Difficult, Patchy	19	100	358	29km/h	0.0	0.8	19%	37m/hr
Mon, 26/10/20 01:00	South South East	Difficult, Patchy	19	100	348	29km/h	0.0	0.7	19%	36m/hr
Mon, 26/10/20 02:00	South South East	Difficult, Patchy	18	100	344	27km/h	0.0	0.7	20%	33m/hr
Mon, 26/10/20 03:00	South South East	Difficult, Patchy	18	100	340	24km/h	0.0	0.6	20%	29m/hr
Mon, 26/10/20 04:00	South South East	Difficult, Patchy	17	100	333	21km/h	0.0	0.6	20%	25m/hr
Mon, 26/10/20 05:00	South South East	Difficult, Patchy	18	100	327	20km/h	0.0	0.6	20%	25m/hr
Mon, 26/10/20 06:00	South East	Difficult, Patchy	22	94	323	20km/h	0.0	1.0	18%	33m/hr
Mon, 26/10/20 07:00	South South East	Sustained	26	73	334	21km/h	0.0	3.3	14%	57m/hr
Mon, 26/10/20 08:00	South South East	Readily Sustained	28	63	333	21km/h	0.0	5.6	13%	68m/hr
Mon, 26/10/20 09:00	South South East	Readily Sustained	30	57	332	22km/h	0.0	7.5	12%	78m/hr
Mon, 26/10/20 10:00	South South East	Readily Sustained	30	55	337	22km/h	0.0	8.4	11%	82m/hr
Mon, 26/10/20 11:00	South South East	Readily Sustained	30	54	334	22km/h	0.0	8.9	11%	85m/hr
Mon, 26/10/20 12:00	South South East	Readily Sustained	31	54	338	22km/h	0.0	8.9	11%	84m/hr
Mon, 26/10/20 13:00	South South East	Readily Sustained	31	55	338	23km/h	0.0	8.8	11%	87m/hr
Mon, 26/10/20 14:00	South South East	Readily Sustained	29	58	348	24km/h	0.0	7.6	12%	84m/hr
Mon, 26/10/20 15:00	South South East	Readily Sustained	28	64	348	23km/h	0.0	5.3	13%	71m/hr
Mon, 26/10/20 16:00	South	Sustained	26	72	351	21km/h	0.0	3.4	14%	58m/hr
Mon, 26/10/20 17:00	South	Sustained	24	80	354	20km/h	0.0	2.2	16%	47m/hr
Mon, 26/10/20 18:00	South	Difficult, Patchy	23	89	359	19km/h	0.0	1.3	17%	36m/hr
Mon, 26/10/20 19:00	South South West	Difficult, Patchy	22	90	5	18km/h	0.0	1.1	17%	33m/hr
Mon, 26/10/20 20:00	South South West	Difficult, Patchy	21	96	10	17km/h	0.0	0.8	18%	26m/hr
Mon, 26/10/20 21:00	South South West	Difficult, Patchy	21	98	15	16km/h	0.0	0.7	19%	23m/hr
Mon, 26/10/20 22:00	South South West	Difficult, Patchy	20	99	20	15km/h	0.0	0.6	19%	21m/hr
Mon, 26/10/20 23:00	South South West	Difficult, Patchy	20	100	23	14km/h	0.0	0.6	19%	18m/hr
Tue, 27/10/20 00:00	South South West	Difficult, Patchy	19	100	16	13km/h	0.0	0.5	19%	17m/hr
Tue, 27/10/20 01:00	South South West	Difficult, Patchy	19	100	20	13km/h	0.0	0.5	19%	17m/hr
Tue, 27/10/20 02:00	South South West	Difficult, Patchy	18	100	5	12km/h	0.0	0.5	20%	15m/hr
Tue, 27/10/20 03:00	South South West	Difficult, Patchy	18	100	26	13km/h	0.0	0.5	20%	16m/hr
Tue, 27/10/20 04:00	South West	Difficult, Patchy	17	100	56	13km/h	0.0	0.5	20%	16m/hr
Tue, 27/10/20 05:00	West	Difficult, Patchy	18	100	90	14km/h	0.0	0.5	20%	18m/hr
Tue, 27/10/20 06:00	West South West	Difficult, Patchy	22	89	77	14km/h	0.0	1.1	17%	25m/hr
Tue, 27/10/20 07:00	North North West	Sustained	26	69	154	15km/h	0.0	3.4	14%	43m/hr
Tue, 27/10/20 08:00	North North West	Readily Sustained	29	60	153	16km/h	0.0	5.5	12%	53m/hr
Tue, 27/10/20 09:00	West	Readily Sustained	30	56	83	16km/h	0.0	6.8	11%	58m/hr
Tue, 27/10/20 10:00	South West	Readily Sustained	30	56	55	17km/h	0.0	7.2	11%	61m/hr
Tue, 27/10/20 11:00	West North West	Readily Sustained	30	55	105	17km/h	0.0	7.5	11%	65m/hr
Tue, 27/10/20 12:00	West	Readily Sustained	30	58	87	17km/h	0.0	6.6	12%	61m/hr
Tue, 27/10/20 13:00	West North West	Readily Sustained	29	60	106	19km/h	0.0	6.2	12%	65m/hr
Tue, 27/10/20 14:00	West North West	Readily Sustained	28	64	101	23km/h	0.0	5.2	13%	70m/hr
Tue, 27/10/20 15:00	West South West	Sustained	26	70	76	24km/h	0.0	4.1	14%	68m/hr
Tue, 27/10/20 16:00	West South West	Sustained	24	79	58	26km/h	0.0	2.5	16%	60m/hr
Tue, 27/10/20 17:00	South West	Difficult, Patchy	22	88	43	26km/h	0.0	1.6	17%	50m/hr
Tue, 27/10/20 18:00	South South West	Difficult, Patchy	21	94	33	27km/h	0.0	1.1	18%	44m/hr
Tue, 27/10/20 19:00	South South West	Difficult, Patchy	21	95	26	26km/h	0.0	1.0	18%	40m/hr
Tue, 27/10/20 20:00	South South West	Difficult, Patchy	20	99	20	25km/h	0.0	0.8	19%	35m/hr
Tue, 27/10/20 21:00	South South West	Difficult, Patchy	20	99	14	25km/h	0.0	0.8	19%	34m/hr
Tue, 27/10/20 22:00	South South West	Difficult, Patchy	20	100	14	24km/h	0.0	0.7	19%	32m/hr
Tue, 27/10/20 23:00	South South West	Difficult, Patchy	19	100	5	26km/h	0.0	0.7	19%	33m/hr



Forecast Weather Summary

Day Number
Multiple values

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 supersede 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
Wed, 28/10/20 00:00	South South West	Difficult, Patchy	19	100	4	26km/h	0.0	0.7	19%	33m/hr
Wed, 28/10/20 01:00	South South West	Difficult, Patchy	18	100	1	27km/h	0.0	0.7	20%	33m/hr
Wed, 28/10/20 02:00	South	Difficult, Patchy	18	100	354	24km/h	0.0	0.6	20%	29m/hr
Wed, 28/10/20 03:00	South	Difficult, Patchy	17	100	353	23km/h	0.0	0.5	20%	27m/hr
Wed, 28/10/20 04:00	South	Difficult, Patchy	17	100	356	22km/h	0.0	0.5	20%	26m/hr
Wed, 28/10/20 05:00	South	Difficult, Patchy	18	100	354	24km/h	0.0	0.6	20%	29m/hr
Wed, 28/10/20 06:00	South South East	Difficult, Patchy	22	91	342	23km/h	0.0	1.2	18%	41m/hr
Wed, 28/10/20 07:00	South South East	Sustained	25	72	332	22km/h	0.0	3.5	14%	60m/hr
Wed, 28/10/20 08:00	South	Readily Sustained	28	64	359	22km/h	0.0	5.4	13%	69m/hr
Wed, 28/10/20 09:00	South	Readily Sustained	29	59	356	19km/h	0.0	6.3	12%	66m/hr
Wed, 28/10/20 10:00	South South East	Readily Sustained	30	57	345	20km/h	0.0	7.4	11%	73m/hr
Wed, 28/10/20 11:00	South South West	Readily Sustained	30	55	3	22km/h	0.0	8.5	11%	82m/hr
Wed, 28/10/20 12:00	South South West	Readily Sustained	30	56	15	22km/h	0.0	8.3	11%	82m/hr
Wed, 28/10/20 13:00	South South West	Readily Sustained	30	57	19	23km/h	0.0	7.8	12%	83m/hr
Wed, 28/10/20 14:00	South South West	Readily Sustained	28	62	21	25km/h	0.0	6.4	12%	82m/hr
Wed, 28/10/20 15:00	South South West	Sustained	27	67	19	26km/h	0.0	4.9	13%	76m/hr
Wed, 28/10/20 16:00	South South West	Sustained	25	75	11	25km/h	0.0	3.2	15%	64m/hr
Wed, 28/10/20 17:00	South South West	Difficult, Patchy	23	84	23	24km/h	0.0	1.9	16%	52m/hr
Wed, 28/10/20 18:00	South South West	Difficult, Patchy	22	91	8	24km/h	0.0	1.2	18%	42m/hr
Wed, 28/10/20 19:00	South South West	Difficult, Patchy	21	93	21	27km/h	0.0	1.2	18%	44m/hr
Wed, 28/10/20 20:00	South South West	Difficult, Patchy	20	98	1	27km/h	0.0	0.9	19%	39m/hr
Wed, 28/10/20 21:00	South South West	Difficult, Patchy	20	99	10	29km/h	0.0	0.9	19%	40m/hr
Wed, 28/10/20 22:00	South South West	Difficult, Patchy	20	100	8	30km/h	0.0	0.8	19%	39m/hr
Wed, 28/10/20 23:00	South	Difficult, Patchy	19	100	360	28km/h	0.0	0.7	19%	35m/hr
Thu, 29/10/20 00:00	South South West	Difficult, Patchy	19	100	2	32km/h	0.0	0.8	20%	40m/hr
Thu, 29/10/20 01:00	South	Difficult, Patchy	18	100	354	33km/h	0.0	0.8	20%	40m/hr
Thu, 29/10/20 02:00	South South East	Difficult, Patchy	18	100	348	32km/h	0.0	0.8	20%	38m/hr
Thu, 29/10/20 03:00	South South East	Difficult, Patchy	17	100	346	32km/h	0.0	0.7	20%	37m/hr
Thu, 29/10/20 04:00	South East	Difficult, Patchy	17	100	326	24km/h	0.0	0.6	20%	28m/hr
Thu, 29/10/20 05:00	South East	Difficult, Patchy	18	100	322	24km/h	0.0	0.6	20%	30m/hr
Thu, 29/10/20 06:00	South East	Difficult, Patchy	22	88	321	25km/h	0.0	1.5	17%	47m/hr
Thu, 29/10/20 07:00	South East	Sustained	26	68	320	24km/h	0.0	4.5	14%	70m/hr
Thu, 29/10/20 08:00	South East	Readily Sustained	29	57	319	23km/h	0.0	7.6	12%	81m/hr
Thu, 29/10/20 09:00	South East	Readily Sustained	30	54	317	22km/h	0.0	8.6	11%	83m/hr
Thu, 29/10/20 10:00	South East	Readily Sustained	30	53	321	22km/h	0.0	9.2	11%	86m/hr
Thu, 29/10/20 11:00	South East	Readily Sustained	31	53	326	23km/h	0.0	9.5	11%	88m/hr
Thu, 29/10/20 12:00	South South East	Readily Sustained	31	54	330	22km/h	0.0	8.8	11%	82m/hr
Thu, 29/10/20 13:00	South South East	Readily Sustained	30	56	342	21km/h	0.0	7.9	11%	76m/hr
Thu, 29/10/20 14:00	South South East	Readily Sustained	29	60	348	24km/h	0.0	6.9	12%	80m/hr
Thu, 29/10/20 15:00	South	Readily Sustained	27	64	354	26km/h	0.0	5.7	13%	79m/hr
Thu, 29/10/20 16:00	South	Sustained	26	70	354	26km/h	0.0	4.1	14%	72m/hr
Thu, 29/10/20 17:00	South	Sustained	24	80	354	25km/h	0.0	2.4	16%	58m/hr
Thu, 29/10/20 18:00	South	Difficult, Patchy	23	87	355	26km/h	0.0	1.7	17%	51m/hr
Thu, 29/10/20 19:00	South	Difficult, Patchy	22	89	354	26km/h	0.0	1.5	17%	49m/hr
Thu, 29/10/20 20:00	South South East	Difficult, Patchy	21	94	348	26km/h	0.0	1.1	18%	43m/hr
Thu, 29/10/20 21:00	South South East	Difficult, Patchy	21	95	347	27km/h	0.0	1.0	18%	42m/hr
Thu, 29/10/20 22:00	South South East	Difficult, Patchy	21	97	345	25km/h	0.0	0.9	19%	37m/hr
Thu, 29/10/20 23:00	South South East	Difficult, Patchy	20	98	343	24km/h	0.0	0.8	19%	34m/hr



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 to 3 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 the 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 (3.5t/ha) and Natural (5t/ha).
4. Woodlands used the Natural Grass ROS model with a speed reduction factor applied based on % canopy cover as outlined in the AFAC Rate of Spread guide.

Date : 24/10/2020 4:57:36 AM

From : "DARGUSCH Marc"

To : "'Mark Pomeroy'"

Cc : "Peter C Roberts" , "PALMER Matt"

Subject : RE: Latest Mapping

Attachment : image002.png;image003.png;image004.jpg;

Hi Mark – thanks for the continued assistance on this one. Pretty good day yesterday – feedback is that the Orchid Beach community are feeling much better about things.

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

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: Mark Pomeroy <Mark.Pomeroy@qfes.qld.gov.au>

Sent: Friday, 23 October 2020 6:45 PM

To: DARGUSCH Marc; PALMER Matt

Cc: Peter C Roberts

Subject: Latest Mapping

Hi

Please find attached the latest mapping from Fraser Island. The air observer has not finished tidying it up yet but you can see the progress of the fire very well from this map.

Regards.

Mark Pomeroy

Acting Area Training & Support Officer



Maryborough Area Office

Rural Fire Service

Queensland Fire and Emergency Services

Phone: (07) 4122 0337

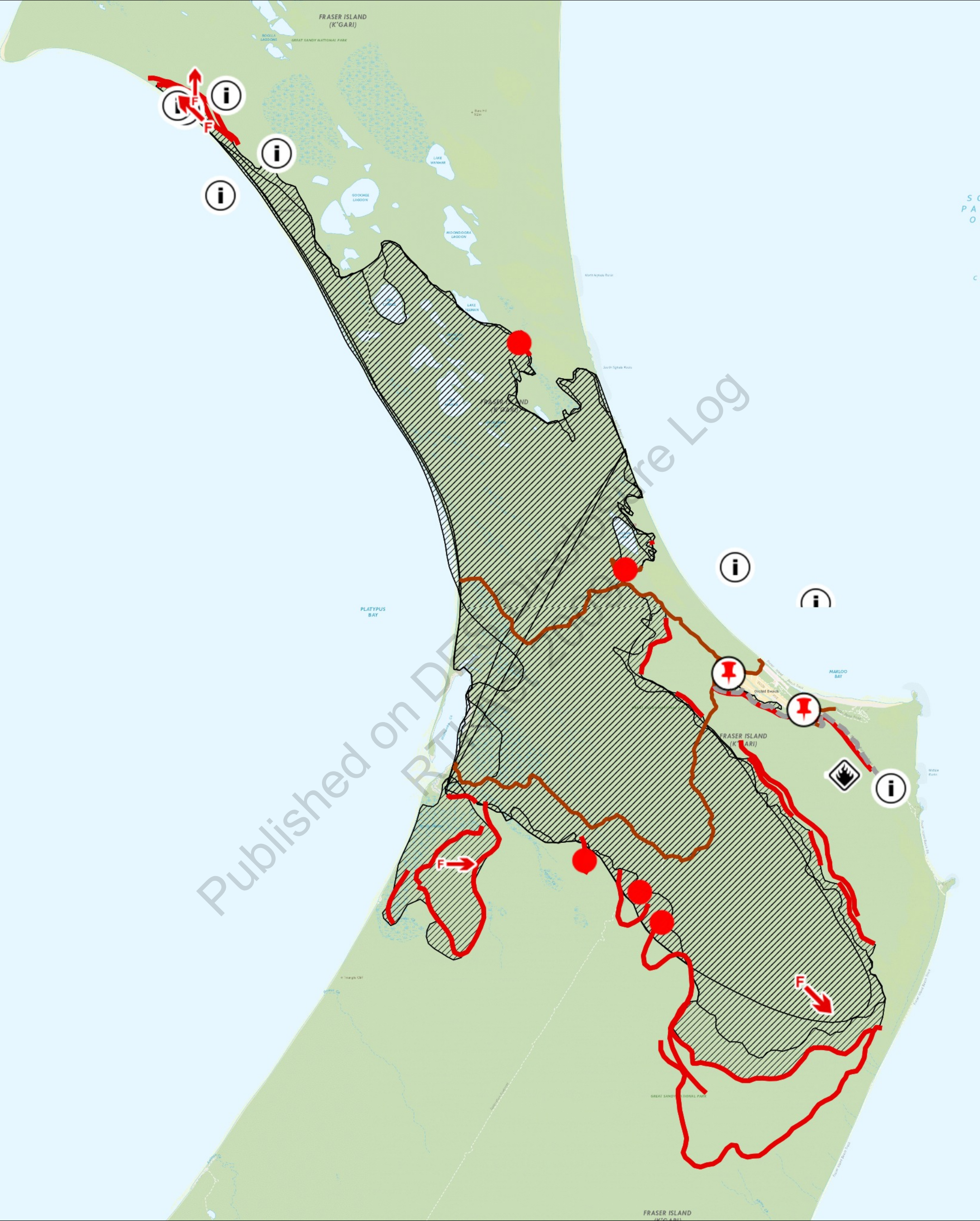
Mobile: **Personal info**

Email: Mark.Pomeroy@qfes.qld.gov.au

Web: www.ruralfire.qld.gov.au

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When printed at A3 - 1:100,000
0 2.00 4.00
Kilometres
WGS_1984_Web_Mercator_Auxiliary_Sphere



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A3 map produced on:
October 23, 2020 6:28:58 PM

File | Release

Legend

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

Fire Points

- Control Centre
- Divisional Boundary
- Evacuation Area

- Fire
- Fire - Point of Origin
- Fire Appliance
- Fire Hot Spot
- General Asset
- Note
- POI
- Refuge Area
- Road Closed
- Sector Boundary
- Spot Fire
- Threatened Asset
- Water Point

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
- Burnt Area - Current

Date : 25/10/2020 10:10:25 AM

From : "DARGUSCH Marc"

To : "'QFES State Air Desk'"

Cc : "PALMER Matt" , "Stephen Lewin" , "PSU Reports NCR"

Subject : RE: Fraser island 24/10/20

Attachment : image009.png;image010.png;image011.png;image012.png;image013.png;image014.png;image015.png;image016.png;image017.png;image018.png;

No probs – our side happy to work to that.

Rgds, 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: QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>

Sent: Sunday, 25 October 2020 10:07 AM

To: Stephen Lewin; DARGUSCH Marc; PSU Reports NCR

Cc: PALMER Matt

Subject: Re: Fraser island 24/10/20

Hi Stephen,

It's not the reports, it's the general chat back and forward :-)

Thanks

Wez

Get [Outlook for iOS](#)

From: Stephen Lewin <Stephen.Lewin@qfes.qld.gov.au>

Sent: Sunday, October 25, 2020 8:58:24 AM

To: QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>; DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>; PSU Reports NCR <PSUReportsNCR@qfes.qld.gov.au>

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

Subject: RE: Fraser island 24/10/20

H Wez,

SAD is included in the preset distribution list for NCR's PSU reports. I can't change this but will try to do manually.

Cheers

Stephen

From: QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>

Sent: Sunday, 25 October 2020 08:49

To: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>; Stephen Lewin <Stephen.Lewin@qfes.qld.gov.au>; PSU Reports NCR <PSUReportsNCR@qfes.qld.gov.au>

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

Subject: Re: Fraser island 24/10/20

Hi all,

Can you please remove QFES state air desk from this email thread. The SAD does not need to receive these emails.

Many thanks

Wez

Get [Outlook for iOS](#)

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

Sent: Sunday, October 25, 2020 8:13:26 AM

To: Stephen Lewin <Stephen.Lewin@qfes.qld.gov.au>; PSU Reports NCR <PSUReportsNCR@qfes.qld.gov.au>

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

Subject: RE: Fraser island 24/10/20

Many thanks.

M

From: Stephen Lewin <Stephen.Lewin@qfes.qld.gov.au>

Sent: Sunday, 25 October 2020 8:04 AM

To: DARGUSCH Marc; PSU Reports NCR

Cc: PALMER Matt

Subject: RE: Fraser island 24/10/20

Hi Marc,

I'll be rerunning the simulations shortly.

I've attached the IWF in case you haven't already received.

Cheers

Stephen

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>
Sent: Sunday, 25 October 2020 07:10
To: Stephen Lewin <Stephen.Lewin@qfes.qld.gov.au>; PSU Reports NCR <PSUReportsNCR@qfes.qld.gov.au>
Cc: PALMER Matt <Matt.Palmer@des.qld.gov.au>
Subject: RE: Fraser island 24/10/20

Hello Stephen – It was great to understand we had no immediate threat by having aerial survey later yesterday.

I'm keen to understand what we will face today and tomorrow on the fire ground via modelling influenced by yesterday's fly-over then with it also aligned with today's 8.30am flyover data which will hopefully give greater accuracy to predictions.

Please ring/email if you need further from me to assist in prepping modelling.

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: Stephen Lewin <Stephen.Lewin@qfes.qld.gov.au>
Sent: Saturday, 24 October 2020 4:42 PM
To: DARGUSCH Marc
Cc: PSU Reports NCR; PALMER Matt
Subject: Re: Fraser island 24/10/20

Ok

Get [Outlook for iOS](#)

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>
Sent: Saturday, October 24, 2020 4:37:29 PM
To: Stephen Lewin <Stephen.Lewin@qfes.qld.gov.au>
Cc: PSU Reports NCR <PSUReportsNCR@qfes.qld.gov.au>; PALMER Matt <Matt.Palmer@des.qld.gov.au>
Subject: RE: Fraser island 24/10/20

Might as well leave it to morning I reckon Stephen.

Thanks for your coverage.

M

From: Stephen Lewin <Stephen.Lewin@qfes.qld.gov.au>
Sent: Saturday, 24 October 2020 4:19 PM
To: DARGUSCH Marc
Cc: PSU Reports NCR; PALMER Matt
Subject: Re: Fraser island 24/10/20

Thanks Marc.

Do you need the update tonight or on the morning?

Cheers
Stephen

Get [Outlook for iOS](#)

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>
Sent: Saturday, October 24, 2020 3:02:09 PM
To: Stephen Lewin <Stephen.Lewin@qfes.qld.gov.au>
Cc: PSU Reports NCR <PSUReportsNCR@qfes.qld.gov.au>; PALMER Matt <Matt.Palmer@des.qld.gov.au>
Subject: RE: Fraser island 24/10/20

Hello Stephen – that's gold. Thank you very much. I have ordered aerial survey trips at 4pm today and 8.30am tomorrow morning. I would love to have this input into the current scenarios to further refine our picture of what we might be facing.

Many thanks again, 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: Stephen Lewin <Stephen.Lewin@qfes.qld.gov.au>
Sent: Saturday, 24 October 2020 2:52 PM
To: DARGUSCH Marc
Cc: PSU Reports NCR
Subject: RE: Fraser island 24/10/20

Hi Marc,

The below simulation is to 21:00 tomorrow, using the wind set to N at 35kph and the BoM forecast for other parameters.
I have added these parameters below also.

I have requested an IWF for tomorrow and will revisit when this is received and pending if you are able to get any updated mapping.

Regards
Stephen

Weather parameters use in Phoenix simulation.

Time	Temp (C)	RH (%)	Wind Dir	Wind (km/h)	Drought Factor	Curing %	Cloud %
24 Oct 2020 08:00	24.8	64.7	360	35	10	50	52
24 Oct 2020 09:00	26.5	58.2	360	35	10	50	52
24 Oct 2020 10:00	27.2	55.8	360	35	10	50	52
24 Oct 2020 11:00	28	54	360	35	10	50	51.3
24 Oct 2020 12:00	28	54.6	360	35	10	50	50.7
24 Oct 2020 13:00	28	55.7	360	35	10	50	50
24 Oct 2020 14:00	27.6	57.7	360	35	10	50	53
24 Oct 2020 15:00	26.8	60.5	360	35	10	50	56
24 Oct 2020 16:00	25.4	64.9	360	35	10	50	59
24 Oct 2020 17:00	24	72.3	360	35	10	50	58.7
24 Oct 2020 18:00	22.9	78.2	360	35	10	50	58.3
24 Oct 2020 19:00	22.1	83.1	360	35	10	50	58
24 Oct 2020 20:00	21.8	83.6	360	35	10	50	52.6
24 Oct 2020 21:00	21.2	86.8	360	35	10	50	47.3
24 Oct 2020 22:00	21.1	86.7	360	35	10	50	41.9
24 Oct 2020 23:00	20.8	88.9	360	35	10	50	38.3
25 Oct 2020 00:00	20.3	89.4	360	35	10	50	34.7
25 Oct 2020 01:00	19.9	92.8	360	35	10	50	31
25 Oct 2020 02:00	19.5	95.7	360	35	10	50	30.3
25 Oct 2020 03:00	19.2	96.3	360	35	10	50	29.7
25 Oct 2020 04:00	18.6	99.4	360	35	10	50	29
25 Oct 2020 05:00	18.5	100	360	35	10	50	28.3
25 Oct 2020 06:00	19.4	98.2	360	35	10	50	27.7
25 Oct 2020 07:00	22.7	82.9	360	35	10	50	27
25 Oct 2020 08:00	26.2	66.1	360	35	10	50	26.7
25 Oct 2020 09:00	28.1	58.2	360	35	10	50	26.3
25 Oct 2020 10:00	28.9	54.9	360	35	10	50	26
25 Oct 2020 11:00	29.3	54	360	35	10	50	25.7
25 Oct 2020 12:00	20	97	360	35	10	50	42.3
25 Oct 2020 13:00	19.8	98.2	360	35	10	50	42
25 Oct 2020 14:00	19.3	100	360	35	10	50	41
25 Oct 2020 15:00	18.9	100	360	35	10	50	40
25 Oct 2020 16:00	18.5	100	360	35	10	50	39
25 Oct 2020 17:00	18	100	360	35	10	50	38.3
25 Nov 2020 18:00	19.2	100	360	35	10	50	37.7
25 Nov 2020 19:00	22.3	88.8	360	35	10	50	37
25 Nov 2020 20:00	25.2	72.8	360	35	10	50	37.3
25 Nov 2020 21:00	26.5	66.8	360	35	10	50	37.7

Phoenix simulation to 24/10/20 21:00



From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>
Sent: Saturday, 24 October 2020 12:58
To: Stephen Lewin <Stephen.Lewin@qfes.qld.gov.au>
Cc: PSU Reports NCR <PSUReportsNCR@qfes.qld.gov.au>; PALMER Matt <Matt.Palmer@des.qld.gov.au>
Subject: RE: Fraser island 24/10/20

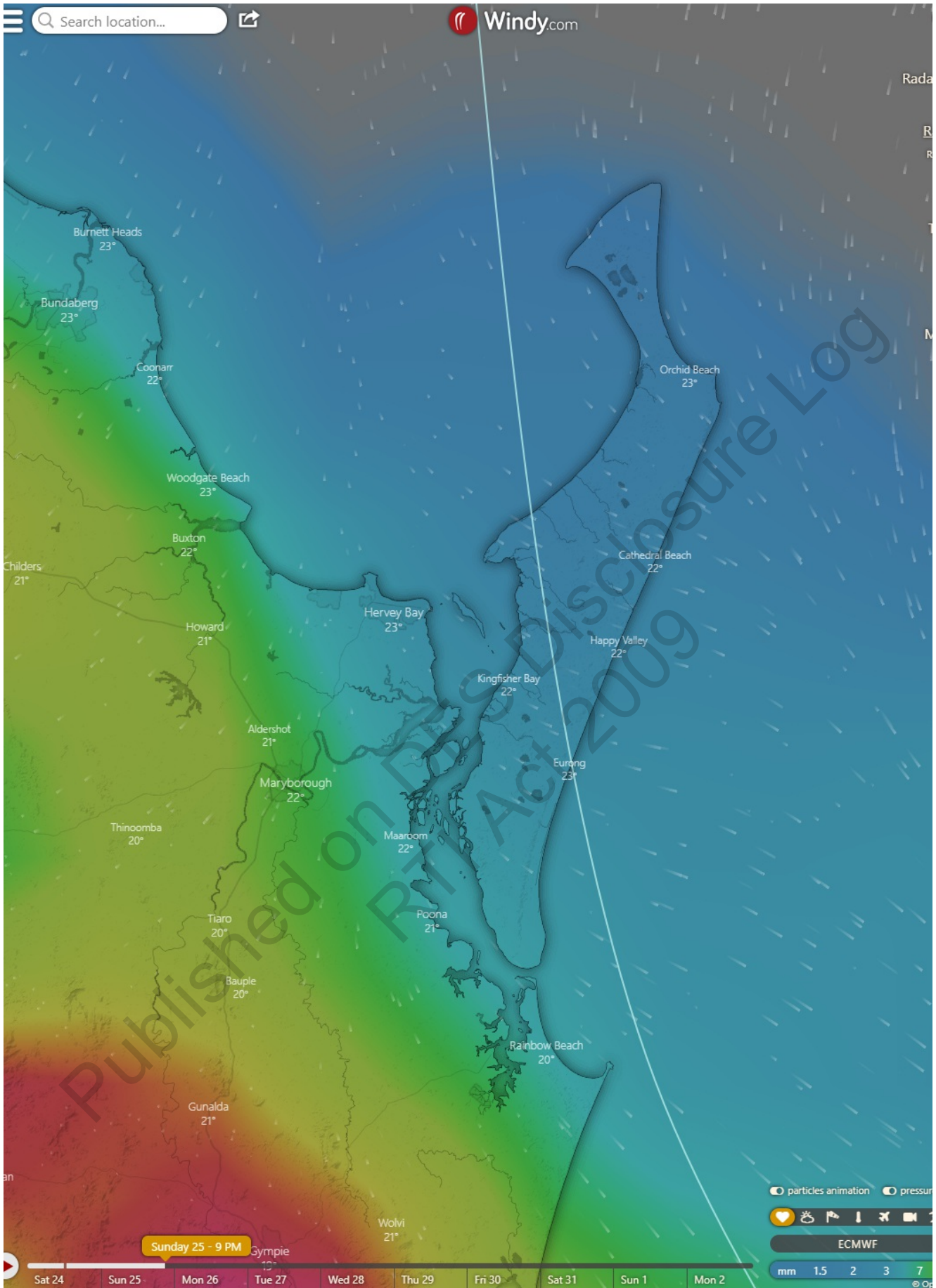
Hi Stephen – thanks heaps for the work on this.

Is there any chance in attempting to forecast fire behaviour until tomorrow evening at 9pm (Sunday 24Oct2020) ? a number of forecasts seem to suggest if we can make it to that point in time we may get some wet stuff to start to assist us in managing this fire ?

Also, I'll attempt to get an aerial surveillance done this arvo to groundtruth actual fire travel which I hope you could use in further refining what things will look like tomorrow late.

I'll ring to talk through.

Thanks again, Marc



Sent: Saturday, 24 October 2020 12:41 PM
To: DARGUSCH Marc
Cc: PSU Reports NCR
Subject: Fraser island 24/10/20

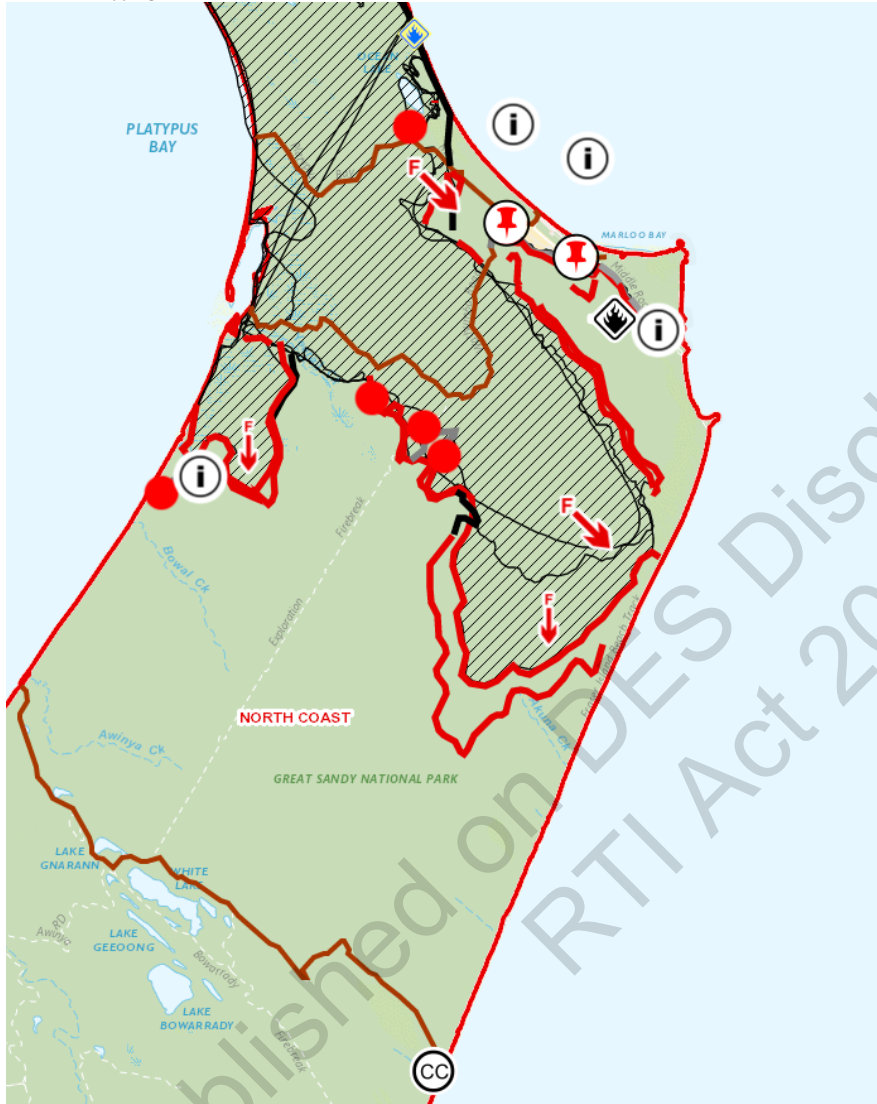
Hi Marc,

Please find below 2 Phoenix Characterisation Model simulations from the southern edge of the Fraser Island fire based on the this mornings mapping.
The attached files can be run in Google Earth.

Please let me know if additional information is needed.

Regards
Stephen

This is the mapping:



This is a Phoenix simulation using NW winds at 35kph (increased slightly from Matt's suggested 30kph to lower the reduction factor).
Start time is 10:30 and it runs for 24 hours. All other parameters are per the BoM forecast weather inputs and mapped fuel types.
Orange lines are hourly spread estimates. Red are spot fire potential.



Below is the same simulation with the wind from the north.



Stephen Lewin
Business Development Officer
Queensland Fire & Emergency Services
Far Northern Region

Ph: 07 4032 8744
Mo: Personal

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Date : 25/10/2020 9:47:35 AM

From : "DARGUSCH Marc"

To : "Stephen Lewin"

Cc : "Andrew Allan" , "Bruce Thompson" , "David Grant" , "Francis Hines" , "Gary McCormack" , "James Haig" , "Jeff Keating" , "Joanne Greenfield" , "John Rolfe" , "Martin Taylor" , "Matthew Inwood" , "Merrick Ilett" , "PALMER Matt" , "Michael Artlett" , "Michael Koch" , "Peter Hollier" , "QFES Media" , "QFES Met" , "QFES Predictive Services Unit" , "ROC North Coast" , "Russell Stephens-Peacock" , "SDCCPLANS" , "ShauneToohey" , "SOC Admin" , "SOC Plan Model Predict Unit" , "Tony Johnstone"

Subject : RE: Fraser Island 25/10/20

Attachment : image002.png;image003.png;image004.png;

Wonderful work, much appreciated.

M



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: Stephen Lewin <Stephen.Lewin@qfes.qld.gov.au>

Sent: Sunday, 25 October 2020 9:24 AM

To: DARGUSCH Marc; PALMER Matt

Cc: Andrew Allan; Bruce Thompson; David Grant; Francis Hines; Gary McCormack; James Haig; Jeff Keating; Joanne Greenfield; John Rolfe; Martin Taylor; Matthew Inwood; Merrick Ilett; Michael Artlett; Michael Koch; Peter Hollier; QFES Media; QFES Met; QFES Predictive Services Unit; ROC North Coast; Russell Stephens-Peacock; SDCCPLANS; ShauneToohey; SOC Admin; SOC Plan Model Predict Unit; Tony Johnstone

Subject: Fraser Island 25/10/20

Hi Marc,

Below is a simulation using a combination of yesterday afternoons mapping and the DA hotspots as ignition points (the white line). It runs from 09:00 for 30 hours.

I have used the IWF weather for temp, rh, and wind speed.

I also ran one using the latest gridded weather forecast and there was very little difference.

Regards

Stephen



Stephen Lewin
Business Development Officer
Queensland Fire & Emergency Services
Far Northern Region

Ph: 07 4032 8744
Mo: Personal info

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Date : 27/10/2020 6:27:22 AM

From : "DARGUSCH Marc"

To : "Peter C Roberts" , "EMBREY Teena"

Subject : RE: Air Tasking

Attachment : image001.jpg;

Hello Pedro – thanks for your continued support in the Duling CZ wildfire effort.

Approval is given for the AirOps work undertaken on 26Oct20. We are thinking that we will not require AirOps assistance today although, that may change ;)

The INV address:

QPWS Office
CNR Alice and Lennox Streets
Maryborough 4650
Qld, Australia

Hi Teena –can you send through the postal address details for Maryborough to Pedro please.

Many thanks, Marc

From: Peter C Roberts <Peter.Roberts2@qfes.qld.gov.au>

Sent: Monday, 26 October 2020 2:03 PM

To: DARGUSCH Marc

Subject: Air Tasking

Greetings Marc,

Can I please have a written approval and invoicing address in regard to the Air Tasking for the Orchid Beach Fire you requested today.

Please contact me with any queries.

Thanks

Pedro

Peter Roberts

Area Director

A/Inspector - Maryborough Area

Rural Fire Service

Queensland Fire and Emergency Services

P (07) 4122 0337



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Date : 27/10/2020 7:07:34 AM
From : "DARGUSCH Marc"
To : "SAOU Airops Toowoomba"
Cc : "EDMED Greg" , "KLEKAR John"
Subject : RE: SAOU Airops Toowoomba shared the folder "20201026 Fraser Island" with you.
Attachment :
image009.png;image011.png;image024.jpg;image001.png;image002.png;image003.png;image004.png;image005.png;image006.png;image007.png;
Hi AirOps – could you please send me a direct link ? I'm keen to digest details as soon as possible.

Many thanks, 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: KLEKAR John <John.Klekar@des.qld.gov.au>
Sent: Monday, 26 October 2020 3:44 PM
To: SAOU Airops Toowoomba
Cc: DARGUSCH Marc; EDMED Greg
Subject: RE: SAOU Airops Toowoomba shared the folder "20201026 Fraser Island" with you.
Importance: High

Hi,
I have no phone service to verify authentication to access the information, Can you send mapping through via email



John Klekar
A / Senior Ranger - Cooloola
Coastal and Islands Region, QPWS and Partnerships
Department of Environment and Science

P 07 5486 9930 Mob: **Personal**
102 Lennox Street, Maryborough Queensland 4650
PO Box 101, Maryborough Queensland 4650

I pay my respects to all Traditional Owners, and to the Elders past, present and the future for land and sea on which I work, live and walk.

From: SAOU Airops Toowoomba <SAOUAirops.Toowoomba@qfes.qld.gov.au>
Sent: Monday, 26 October 2020 2:29 PM
To: KLEKAR John
Subject: SAOU Airops Toowoomba shared the folder "20201026 Fraser Island" with you.



SAOU Airops Toowoomba shared a folder with you

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RTI Act 2009

Date : 28/10/2020 11:37:00 AM

From : "DARGUSCH Marc"

To : "Michael Koch"

Subject : Duling Wildfire: K'gari update

Attachment : Ayinya map 26102020.pdf;image001.png;image002.png;image003.png;

Hi Michael – the below outlines the latest SitRep. Please refer to the attached map to gain an understanding of the current situation surrounding the Southern Fire Control Line (the Awinya Track). Our fallback position will be the Bowwarydy Track.

I'll make contact with you first up tomorrow with view to possibly lining up a lunchtime aerial survey.

Give me a bell if you would like to talk specifics.

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

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: KLEKAR John <John.Klekar@des.qld.gov.au>

Sent: Wednesday, 28 October 2020 7:11 AM

To: CIR Fire Team; DARGUSCH Marc; YETMAN Brendon; HARVEY Peter; BEHRENDORFF Linda

Cc: DARGUSCH Anthony; LAVENDER Sven

Subject: Duling WF 28.10.20 AM SIT REP

WED 28.10.20 Morning SITREP

- 6mm Rainfall overnight at Dundubara
- Radar showed widespread light falls in the north of the Island Heavier to the South
- IC Wed and Thursday - Linda Behrendorff
- Strategy - Contain any active fire north of Awinya control line.
- Wed Weather Forecast - Possible T Storms, 5-10mm rain, North winds through to 2 /11 Mon - expected SE change
- Main threat - North winds and fire reactivating over the weekend.
- Main Task today – Ground crew to investigate yesterdays fire activity observed in the Bowal Crk area , west of exploration break.

Resource Planning

IC

Wed / Thurs - Linda Behrendorff

Fri / Sat / Sun/ Mon - Sven Lavender

Tues / Wed / Thurs - David Vivian

Logistics Support TBC

Di Bowman / Moyra McRae

Ground Crews

- Stand Down strike team, potentially redeploy next Mon for 4 day deployment
- Confirm extra resources for Fri / Sat / Sunday North Wind threat and potential backburn on Mon Tues Wed SE wind change.

Regards



John Klekar

A / Senior Ranger - Cooloola

Coastal and Islands Region, QPWS and Partnerships

Department of Environment and Science

P 07 5486 9930 Mob **Personal info**

102 Lennox Street, Maryborough Queensland 4650

PO Box 101, Maryborough Queensland 4650

I pay my respects to all Traditional Owners, and to the Elders past, present and the future for land and sea on which I work, live and walk.

Awinya Fire break

COORDINATE SYSTEM: GCS GDA 1994
 HORIZONTAL DATUM: GDA 1994

ACCURACY STATEMENT
 Due to varying sources of data, spatial locations may not coincide when overlaid.

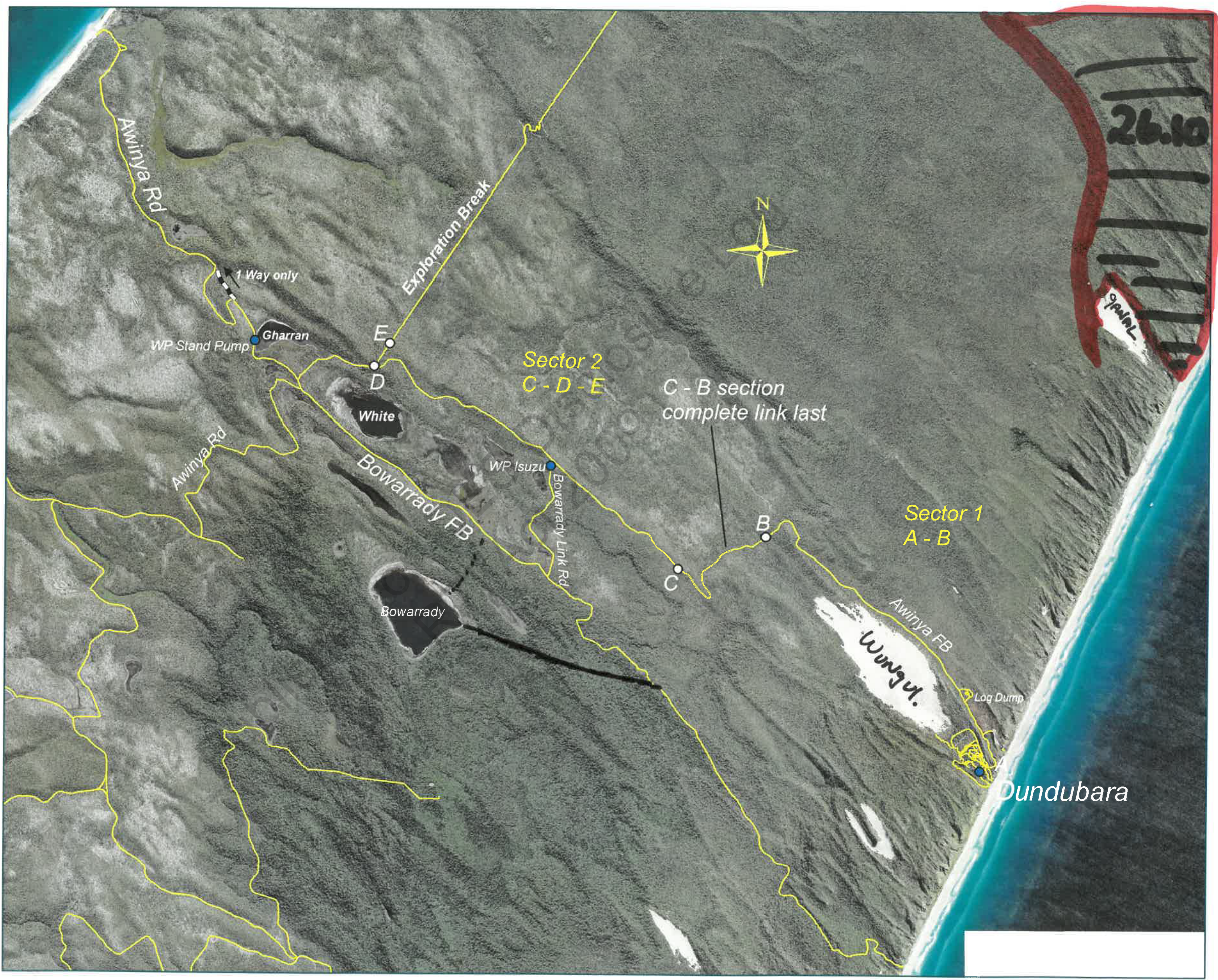
DISCLAIMER
 This map is compiled from information supplied to the Department of National Parks, Sport and Racing. Whilst all care is taken in the preparation of this map, neither NPSR nor its officers or staff accept any responsibility for any loss or damage which may result from inaccuracy or omission in the map from the use of the information contained therein.

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 Enquiries should be addressed to:
 Director-General
 Department of National Parks, Sport and Racing
 PO Box 15187, CITY EAST, QLD 4002

MAP PRODUCTION
 26 October 2020
 Queensland Parks and Wildlife Service,
 Department of National Parks, Sport and Racing.

VERSION 201702
 Awinya_iscpe_gdb_20201026 (palmerm)



Date : 28/10/2020 11:40:40 AM
 From : "DARGUSCH Marc"
 To : "Michael Koch"
 Subject : RE: Fire Wardens - Fraser island
 Attachment : image001.png;image002.jpg;
 Thanks Michael –we'll do some talking our side.

From: Michael Koch <Michael.Koch@qfes.qld.gov.au>
 Sent: Wednesday, 28 October 2020 10:22 AM
 To: DARGUSCH Marc
 Subject: Fire Wardens - Fraser island

Hi Mark

Further to our discussion, the island is broken into two Fire Wardens Districts, with the following contact information. The attached map indicates the boundaries (the purple line is the North/South boundary)
 The townships/settlements (Kingfisher, Eurong, Happy Valley, Orchid Bch) fall within the respective FWD's.
 It appears the RIC (Sven) for Fraser North has issued Permits to light in Happy valley township.

Fraser Island North Fwd	National Parks - Waddy Point District	Fire Warden		Dundubara Fraser Island,PMB20 MS 2173, Rainbow Beach QLD 4581	Work	Personal
					Mobile	
					Work	(07) 4127 9138
Fraser Island South Fwd	National Parks - Central Station District	Fire Warden		PMB 10 - MS 2173 Rainbow Beach. Qld 4581	Work	(07) 4127 9253
					Work	(07) 4127 9128
					Mobile	Personal

FYI

Michael Koch
 Area Director
 Rural Fire Service
 Maryborough Area Office
 Queensland Fire and Emergency Services
 M Personal P (07) 4122 0337



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Date : 29/10/2020 11:32:32 AM
From : "DARGUSCH Marc"
To : "'Michael Koch"
Cc : "Peter Hollier" , "QFES State Air Desk"
Subject : RE: Can I order an air survey for K'gari wildfire pls.
Attachment : image001.png;image002.png;image003.jpg;image005.png;
Hi Michael – thanks for the assist.

To qualify and give background on the wording '**WARNING FOR AIRCRAFT INBOUND PRIVATE RPAS MAY BE IN USE**':

- This wording was modified from a previous Form 21 that was prepared by the QFES Liaison Officer for QPWS that stated that '**WARNING FOR AIRCRAFT QPWS RPAS MAY BE IN USE.**' I made a decision that QPWS will not be using RPAS as there was a concern raised by the QFES Liaison about QPWS' ability to manage RPAS as we may not have the required radio channel access.
- Based on the above, I modified the original statement to indicate that private persons *may* still be using RPAS – It is not likely that this will be an issue but I wanted to flag the possibility.
- If our Rangers come across any use of RPAS in/adjacent to the fire ground they will address the situation.

I hope this information clarifies the situation.

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
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: Michael Koch <Michael.Koch@qfes.qld.gov.au>
Sent: Thursday, 29 October 2020 11:13 AM
To: QFES State Air Desk
Cc: DARGUSCH Marc; Peter Hollier
Subject: FW: Can I order an air survey for K'gari wildfire pls.

Good Morning SAD

Attached is Inc 21 for a recon/mapping flight over Fraser Island today to get an idea of remaining hotspots/fire location after the recent showers ahead of the forecast weather changes.

Pls note approval and comments from Mr Hollier below

thanks

Michael Koch
Area Director
Rural Fire Service
Maryborough Area Office
Queensland Fire and Emergency Services
M **Personal info** P (07) 4122 0337



From: Peter Hollier <Peter.Hollier@qfes.qld.gov.au>
Sent: Thursday, 29 October 2020 11:04 AM
To: Michael Koch <Michael.Koch@qfes.qld.gov.au>
Cc: rfsq northcoast <rfsq.northcoast@qfes.qld.gov.au>
Subject: Re: Can I order an air survey for K'gari wildfire pls.

Michael

Approved on the basis QPWS to pay

Peter

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From: Michael Koch <Michael.Koch@qfes.qld.gov.au>
Sent: Thursday, October 29, 2020 11:02:41 AM
To: Peter Hollier <Peter.Hollier@qfes.qld.gov.au>
Cc: rfsq northcoast <rfsq.northcoast@qfes.qld.gov.au>
Subject: FW: Can I order an air survey for K'gari wildfire pls.

Good Morning Peter

QPWS have submitted the attached Inc 21 for a recon/mapping flight over Fraser Island today to get an idea of remaining hotspots/fire location after the recent showers ahead of the forecast weather changes.

thanks

Michael Koch
Area Director
Rural Fire Service
Maryborough Area Office
Queensland Fire and Emergency Services
M Personal info P (07) 4122 0337



From: DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>
Sent: Thursday, 29 October 2020 10:41 AM
To: Michael Koch <Michael.Koch@qfes.qld.gov.au>
Cc: BEHRENDORFF Linda <Linda.Behrendorff@des.qld.gov.au>
Subject: Can I order an air survey for K'gari wildfire pls.

Hi Michael –I'll give you a call with view to progressing the attached.

Many thanks, 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
Level 6, 12 on First Avenue, Maroochydore 4558
www.des.qld.gov.au

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Published on DES Disclosure Log
RTI Act 2009

IF 00.21.00		<h1>AIRCRAFT TASKING</h1> <p>(All coloured sections are MANDATORY)</p>			
		INCIDENT NAME: Orchid Beach Control		Firecall No: QF4-20-116117	
		LOCATION: Orchid Beach			
OPERATIONS		Requested by: Marc Dargusch		Time: 1300 hrs	
Phone Contact: Personal info		Position: Principal Ranger Great Sandy Area (QPWS)		Date: 29/10/2020	
STANDBY REQUEST		TASKING REQUEST			
STANDBY REQUIRED		OBSERVATION	TRANSPORT	AIR ATTACK	RESCUE
☐ Yes ☐ No		☒ Reconnaissance ☐ Detection ☐ Aerial Damage Assessment	☐ Personnel ☐ Equipment	☐ Bombing ☐ Supervision ☐ Incendiaries	☐ Medivac ☐ Winching ☐ Swiftwater
Date/s Required: 29/10/2020		Time: AM and PM 1300hrs	Task duration (If known):		
Incident Location:		Latitude S - Lat 24° 59' 50.234465" S		Longitude E - Lon 153° 17' 10.51589" E	
Aircraft to report to (location of airbase or helibase):					
ICP or ICC Name:		Phone Contact/s: Linda Behrendorff (QPWS) Personal info Back-up contact Marc Dargusch (QPWS) Personal info		QFES/Agency Channel	
				GWN:	
				UHF:	
				VHF: 18	
<p>Comments: (please specify in detail intended use of aircraft, how you will support (e.g. Aircraft crew AAS AOB), number of aircraft, threatened assets and time of impact and any further information to support the use of the aircraft)</p> <p>Require mapping of Orchid Beach Fire at 13:00hrs on 29/10/2020 of fire for additional intelligence to provide to IMT on the Island. This information is required to formulate planning ahead of forecast conditions over the next 2-5 days.</p> <p>This is financed by QPWS (INV details already established with previous flight effort 27Oct2020).</p> <p>Please send photos/mapping post flight to: linda.behrendorff@des.qld.gov.au and to marc.dargusch@des.qld.gov.au</p> <p>WARNING FOR AIRCRAFT INBOUND PRIVATE RPAS MAY BE IN USE.</p>					
REGIONAL APPROVAL BY		☐ Regional A/C	☐ DRO	☒ RM RFS	☐ Other _____
Name Peter Hollier		Time	Date 29/10/2020	Signature	
SECTION BELOW TO BE COMPLETED BY STATE AIR DESK					
RECEIVED BY: Ross Stacey			TIME: 1122 hrs	DATE: 29/10/2020	
TASKING APPROVED BY					
Name: Matt Bulow C/- Brian Cox		☐ Commissioner	☐ D/C	☒ CSO A/C	☐ OTHER _____
Task: Approved		Received by: Verbal	Time 1122	Date 29/10/2020	

State Air Desk Comments: (reasons, other Aircraft in Area, hazards, other Instructions to Pilot)

APPROVED AIRCRAFT

Call sign	Rego	Company	Intended use of aircraft	Dispatch No. (Arena)
FB460	RLR	MCDAV	AOB	QFES-017-861
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-

Additional Comments:

RETURNED BY: EMAIL

DATE: 29/10/20

TIME: 1156

State Air Desk Checklist

IF21

Initial

Received State Air Desk

RS

Approved / Declined

RS

ABM / Operator advised

RS

Emailed back to region/operators/Airops admin

RS

ARENA

Initial

Request entered

RS

Dispatch completed

RS

Record Dispatch # on IF21

RS

Aircraft Engagement

Initial

Engagement spreadsheet updated

RS

Name: Ross Stacey
Signature:
Please file IF21 once completed

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RTI Act 2009

Date : 29/10/2020 2:55:49 PM
From : "DARGUSCH Marc"
To : "'Michael Koch"
Cc : "BEHRENDORFF Linda"
Subject : RE: Fraser Island mapping
Attachment : image002.png;image003.png;image004.jpg;
Nice work, appreciated. Will await advice.

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
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: Michael Koch <Michael.Koch@qfes.qld.gov.au>
Sent: Thursday, 29 October 2020 2:26 PM
To: DARGUSCH Marc; BEHRENDORFF Linda
Subject: Fraser Island mapping

Mark

Attached is preliminary mapping from the flight today. It appears that the yellow line is the current fire/burnt area edge. I'm waiting to get confirmation of the colour though (yellow usually identifies evacuation routes)
Red lines identify active fire edges.
There are three active hotspots (red dots)

I'll advise when I get clarification

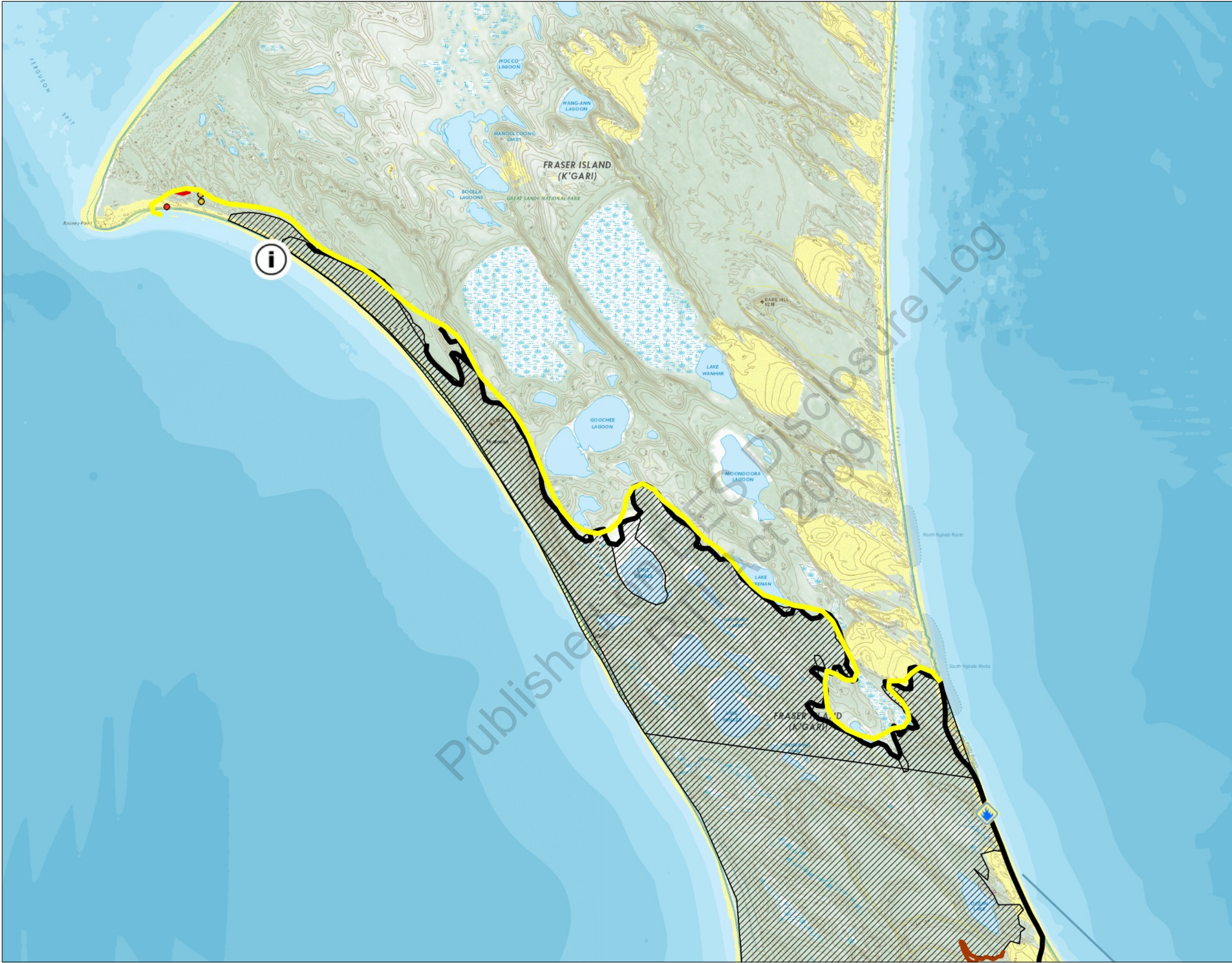
Looks good though

Michael Koch
Area Director
Rural Fire Service
Maryborough Area Office
Queensland Fire and Emergency Services
M **Personal info** P (07) 4122 0337



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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 *
 - 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 Points
- Control Centre
 - Divisional Boundary
 - Evacuation Area
 - Fire
 - Fire - Point of Origin
 - Fire Appliance
 - Fire Hot Spot
 - General Asset
 - Note
 - POI
 - Refuge Area
 - Road Closed
 - Sector Boundary
 - Spot Fire
 - Threatened Asset
 - Water Point
- 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

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File I Release



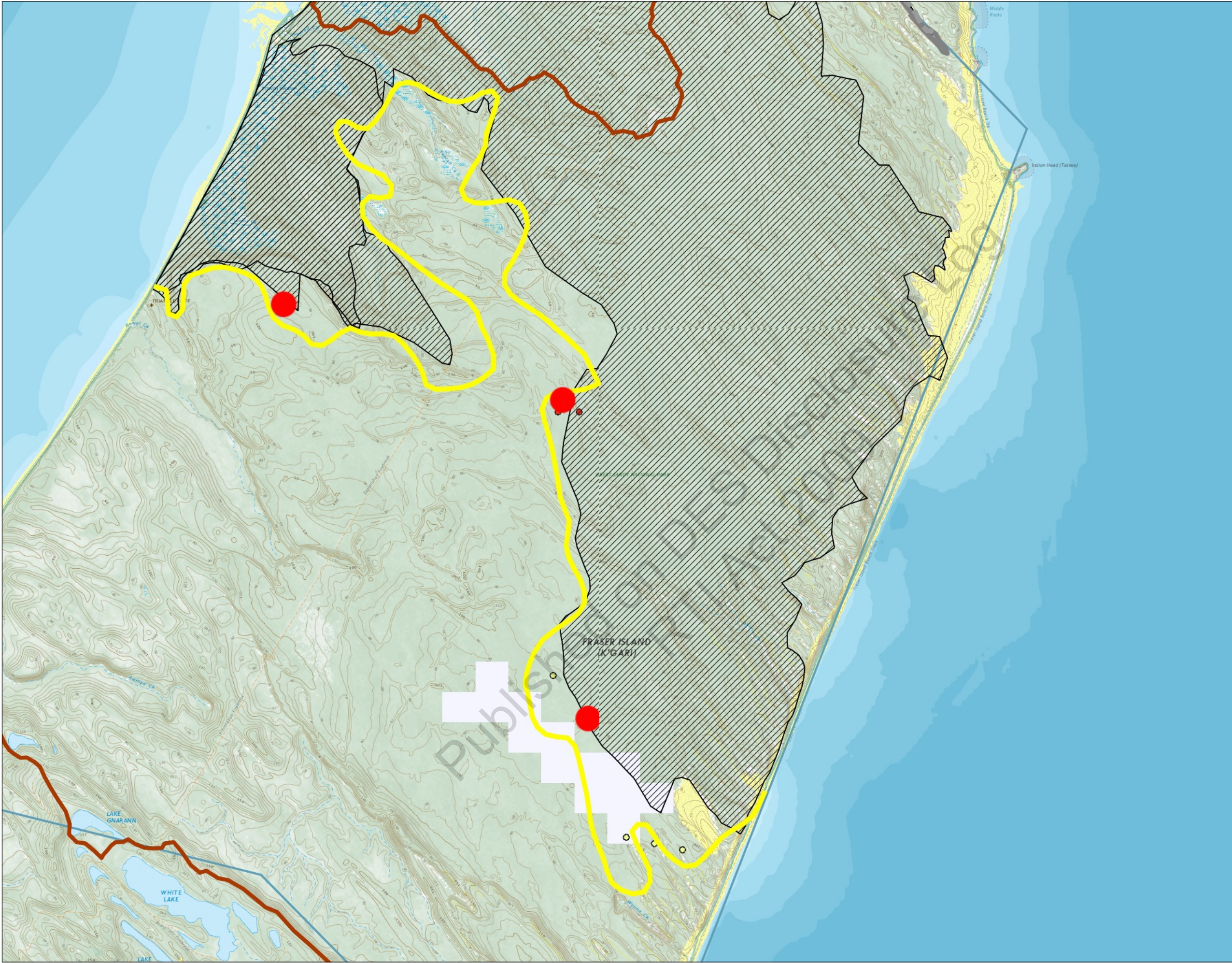
When printed at A3 - 1: 72,224
0 1.83 3.67
Kilometres
WGS_1984_Web_Mercator_Auxiliary_Sphere

This map was automatically generated using Geocortex Essentials.



A3 map produced at:
October 29, 2020 2:17:55 PM





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 Points

Control Centre

Divisional Boundary

Evacuation Area

Fire

Fire - Point of Origin

Fire Appliance

Fire Hot Spot

General Asset

Note

POI

Refuge Area

Road Closed

Sector Boundary

Spot Fire

Threatened Asset

Water Point

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

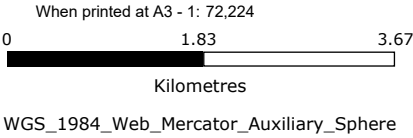
Fire Areas

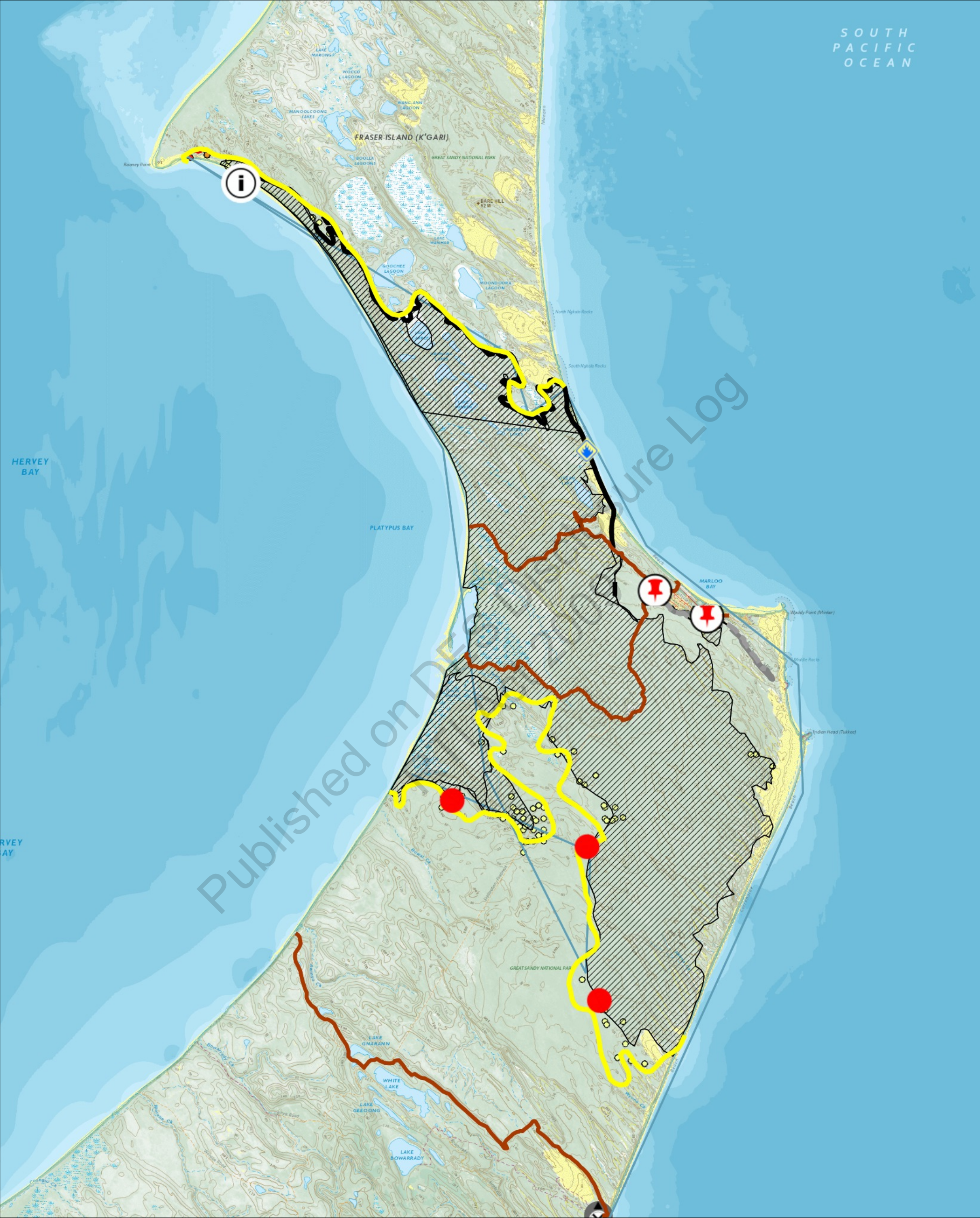
Burnt Area - Current

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0 2.89 5.78
Kilometres
WGS_1984_Web_Mercator_Auxiliary_Sphere



A3 map produced on:
October 29, 2020 1:55:01 PM



File | Release

Legend

- Current Incidents
- FIRE VEHICLE *
 - 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 Points

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Date : 7/11/2020 8:55:41 AM

From : "DARGUSCH Marc"

To : "QFES.StateAirDesk@qfes.qld.gov.au" , "Michael Koch"

Cc : "BEHRENDORFF Linda" , "TAPPLY Jenna" , "CIR Fire Team" , "YETMAN Brendon" , "HARVEY Peter"

Subject : FW: Duling CZ WF SITREP Friday 19:00

Attachment : 20201107-NCR-Fraser-Island-AM-Mapping.docx;image001.png;image002.png;image003.png;image005.png;

Hello Michael – Please find updated SitRep for Duling CZ wildfire. Also, I'm *attempting to secure an aerial survey of the fireground at 11am today 7Nov2020, especially to check that fire has not breached the Awinya Firebreak* (other than the spotover adjacent to Dundubara which is contained to the south by the walking track into the sandblow.

Hello Fire-desk –I've been interacting with Michael to secure aerial resources for this fire, given it is the weekend, I've also sent this request directly to you. Please ring me if you need any further details.

Thanks all, Marc

Personal info



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: DARGUSCH Marc

Sent: Saturday, 7 November 2020 8:37 AM

To: CUBIS Mick

Cc: MACDONALD Stirling; CIR Fire Team; SEELEITHER Jamie

Subject: FW: Duling CZ WF SITREP Friday 19:00

Hi Mick – Update to about 8am this morning, on top of the below email:

- The front has come through during the night and met up with the Awinya Fbreak as far west as 'Jim's hill' (where the road doglegs and heads to the SW).
- The spotover (as referenced in below email) has been contained within the breaks outlined below.
- Some good work undertaken by crews yesterday evening to secure areas north of Dundy.
- NAFI has indicated that fire is south of Dundubara NAFI has been regularly indicating fire much further south than the actual (see snip below) but ... this will be checked out by both aerial and onground means during the morning. Intel from this effort will be used to formulate tactics for today and beyond.
- I am interacting with QFES to get an aerial survey later this morning when humidity will have dropped.

Current state of mind: Cautious optimism ☺

Regards, Marc



From: BEHRENDORFF Linda <Linda.Behrendorff@des.qld.gov.au>

Sent: Friday, 6 November 2020 7:01 PM

To: DARGUSCH Marc; YETMAN Brendon; HARVEY Peter

Cc: CIR Fire Team; Fire Advice

Subject: Duling CZ WF SITREP Friday 19:00

Friday 6.11.2020 Evening 1700 SITREP

- Winds ESE but are variable in the block with varying speeds.
- **Spotover occurred** at the eastern Milby's dune due to thick acacia and throw over material causing unsighted spot-over south of the block between the dune and Dundubara.
- The southern dune has been already prepped yesterday to tie off the Dundubara sandblow. The loader is being used to widen the walking track to light off and secure area to prevent fire into the Bowarady block.
- Incendiary lighting has advanced 1.6km west moving slowly due to variable conditions in the block and grass land areas.
- Log dump is secure and areas lit have got good penetration into the Awinya block.
- **7 crews on the line** since 13:00

Regards,
Linda

'The legacy you leave for colleagues emerging behind you, is how you allow yourself to be treated by others.'



Linda Behrendorff

Ranger in Charge, Natural Resource Management

Great Sandy National Park – K'gari (Fraser Island) & Cooloolo

Coastal and Island Parks - Queensland Parks and Wildlife Service & Partnerships

Department of Environment and Science

P 07 4127 9128

M **Personal**

I acknowledge and pay my respect to Traditional Owners as the Custodians of the Lands and Seas on which I walk, work and live on.

IF 00.21.00 	<h1 style="margin: 0;">AIRCRAFT TASKING</h1> <p style="margin: 0;">(All coloured sections are MANDATORY)</p>				
INCIDENT NAME: Orchid Beach Control			Firecall No: QF4-20-116117		
LOCATION: Dundubara, Fraser Island					
OPERATIONS	Requested by: Marc Dargusch			Time: ASAP	
Phone Contact: Personal info		Position: Principal Ranger Great Sandy Area (QPWS)		Date: 07/11/2020	
STANDBY REQUEST		TASKING REQUEST			
STANDBY REQUIRED		OBSERVATION	TRANSPORT	AIR ATTACK	RESCUE
☐ Yes ☐ No		☒ Reconnaissance ☐ Detection ☐ Aerial Damage Assessment	☐ Personnel ☐ Equipment	☐ Bombing ☐ Supervision ☐ Incendiaries	☐ Medivac ☐ Winching ☐ Swiftwater ☐ Observation / Intel ☐ Search and Rescue ☐ Mapping ☐ Payload
Date/s Required: 07/11/2020		Time: AM and PM As soon as possible		Task duration (If known):	
Incident Location:		Latitude S - Lat 24° 59' 50.234465" S		Longitude E - Lon 153° 17' 10.51589" E	
Aircraft to report to (location of airbase or helibase):					
ICP or ICC Name:		Phone Contact/s: Linda Behrendorff (QPWS) Personal info Back-up contact Marc Dargusch (QPWS) Personal info		QFES/Agency Channel	
				GWN:	
				UHF:	
				VHF: 18	
<p>Comments: (please specify in detail intended use of aircraft, how you will support (e.g. Aircraft crew AAS AOB), number of aircraft, threatened assets and time of impact and any further information to support the use of the aircraft)</p> <p>Require mapping of south-east and southern front/flanks adjacent to Awinya Firebreak 11am 7Nov2020 to supply additional intel to provide to IMT on the Island.</p> <p>Specifically check and confirm that no fire exists south of the Awinya Firebreak.</p> <p>This is financed by QPWS (INV details already established with previous flight effort 27Oct2020).</p> <p>Please send photos/mapping post flight to: linda.behrendorff@des.qld.gov.au, Brendon.yetman@des.qld.gov.au and to marc.dargusch@des.qld.gov.au</p> <p>WARNING FOR AIRCRAFT INBOUND PRIVATE RPAS MAY BE IN USE.</p>					
REGIONAL APPROVAL BY		☐ Regional A/C		☐ DRO	
		☒ RM RFS		☐ Other _____	
Name Peter Hollier		Time		Date 7/11/2020	
		Signature			
SECTION BELOW TO BE COMPLETED BY STATE AIR DESK					
RECEIVED BY:			TIME: hrs		DATE:
TASKING APPROVED BY					
Name:		☐ Commissioner		☐ D/C	
		☐ CSO A/C		☐ OTHER _____	
Task:		Received by: Phone		Time	
				Date	

State Air Desk Comments: (reasons, other Aircraft in Area, hazards, other Instructions to Pilot)

APPROVED AIRCRAFT

Call sign	Rego	Company	Intended use of aircraft	Dispatch No. (Arena)
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-

Additional Comments:

RETURNED BY:

DATE:

TIME:

State Air Desk Checklist

IF21

Initial

Received State Air Desk

Approved / Declined

ABM / Operator advised

Emailed back to region/operators/Airops admin

ARENA

Initial

Request entered

Dispatch completed

Record Dispatch # on IF21

Aircraft Engagement

Initial

Engagement spreadsheet updated

Name:
Signature:
Please file IF21 once completed

Published on DES Disclosure Log
RTI Act 2009

Date : 8/11/2020 12:26:21 PM
From : "DARGUSCH Marc"
To : "'QFES State Air Desk"
Cc : "'Michael Koch'", "PALMER Matt", "CIR Fire Team"
Subject : Costings for fixed wing aerial water bombing
Attachment : image001.png;image002.png;

Hi there – We are considering tactical options for managing the current wildfire on Fraser Island.

Are you able to give indicators of cost (\$/hr ?) to employ fixed wing water bombers utilising salt water ? The drop point would be close to our Dundubara base on K'gari (Fraser Island).

I would also like to know if these type of resources would be available for use early this afternoon if required.

Please ring my mobile if you require more indepth information.

Many thanks, 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.

Date : 8/11/2020 2:20:15 PM
From : "DARGUSCH Marc"
To : "SOC.PlanModelPredictUnit@qfes.qld.gov.au" , "PALMER Matt"
Cc : Personal information - piers , "Michael Koch"
Subject : FW: Emailing: 20201108_DulingWF_FireUpdate.pdf
Attachment : 20201108_DulingWF_FireUpdate.pdf;
Hi Stephen - email details as per last email. Thank you

Thanks also to you for this info Matt.

M

-----Original Message-----

From: PALMER Matt <Matt.Palmer@des.qld.gov.au>
Sent: Sunday, 8 November 2020 2:10 PM
To: DARGUSCH Marc
Subject: FW: Emailing: 20201108_DulingWF_FireUpdate.pdf

Hi Marc,

See update map with less clutter, the red circles are the current active fires south of Awinya, you will notice another spot marked to the south western edge of Wungul, smoke can be seen pluming from here, The current total we have burnt on flame is 24,300ha, it will be more when the map gets updated.

The additional spot on Wungul would need to be included in the aerial bombing if we get approval.

Matt

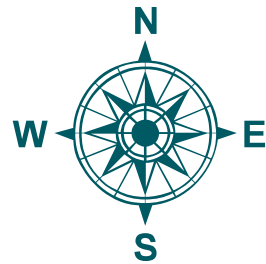
-----Original Message-----

From: TAPPLY Jenna <Jenna.Tapply@des.qld.gov.au>
Sent: Sunday, 8 November 2020 2:01 PM
To: PALMER Matt
Subject: Emailing: 20201108_DulingWF_FireUpdate.pdf

Your message is ready to be sent with the following file or link attachments:

20201108_DulingWF_FireUpdate.pdf

Note: To protect against computer viruses, email programs may prevent you from sending or receiving certain types of file attachments. Check your email security settings to determine how attachments are handled.



Awinya Fire break

COORDINATE SYSTEM: GCS GDA 1994
HORIZONTAL DATUM: GDA 1994

ACCURACY STATEMENT

Due to varying sources of data, spatial locations may not coincide when overlaid.

DISCLAIMER

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Department of National Parks, Sport and Racing
PO Box 15187, CITY EAST, QLD 4002

MAP PRODUCTION

26 October 2020
Queensland Parks and Wildlife Service,
Department of National Parks, Sport and Racing.

VERSION 201702

Awinya_iscpe_gdb_20201026 (palmerm)



Queensland
Government



Date : 8/11/2020 2:18:51 PM
From : "DARGUSCH Marc"
To : "PALMER Matt" , "'SOC.PlanModelPredictUnit@qfes.qld.gov.au'"
Cc : Personal information - not
Subject : FW: Fraser island simulation
Attachment : image007.jpg;FraserIs_Break_081120-1.kmz;image001.png;
Hi Matt – are you able to feed the below (in green) to Stephen SOC.PlanModelPredictUnit@qfes.qld.gov.au please ?

Hello Stephen – I'll forward an email that I just got from Matt Palmer that gives a clear indication of fire in the blocks including a newly located one a little further from Dundubara.

Many thanks, MARC

From: Michael koch Personal information - not
Sent: Sunday, 8 November 2020 2:11 PM
To: DARGUSCH Marc
Subject: FW: Fraser island simulation

Interesting

Are you able to get some local information that we can feed into the modelling

- Last rains & how much
- Current fuel moisture content
- Current fuel loads
- Wind
- Direction/strength etc

thanks

From: Michael Koch [<mailto:Michael.Koch@qfes.qld.gov.au>]
Sent: Sunday, 8 November 2020 2:00 PM
To: Michael koch
Subject: Fwd: Fraser island simulation

Get [Outlook for iOS](#)

From: DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>
Sent: Sunday, November 8, 2020 1:55:30 PM
To: SOC Plan Model Predict Unit <SOC.PlanModelPredictUnit@qfes.qld.gov.au>; Michael Koch <Michael.Koch@qfes.qld.gov.au>
Cc: PALMER Matt <Matt.Palmer@des.qld.gov.au>
Subject: FW: Fraser island simulation

Many thanks Stephen and Michael.

Hi Stephen - The fire closest to the east (near Dundubara) doesn't appear to do much over time – is that the thinking ?

Many thanks, Marc

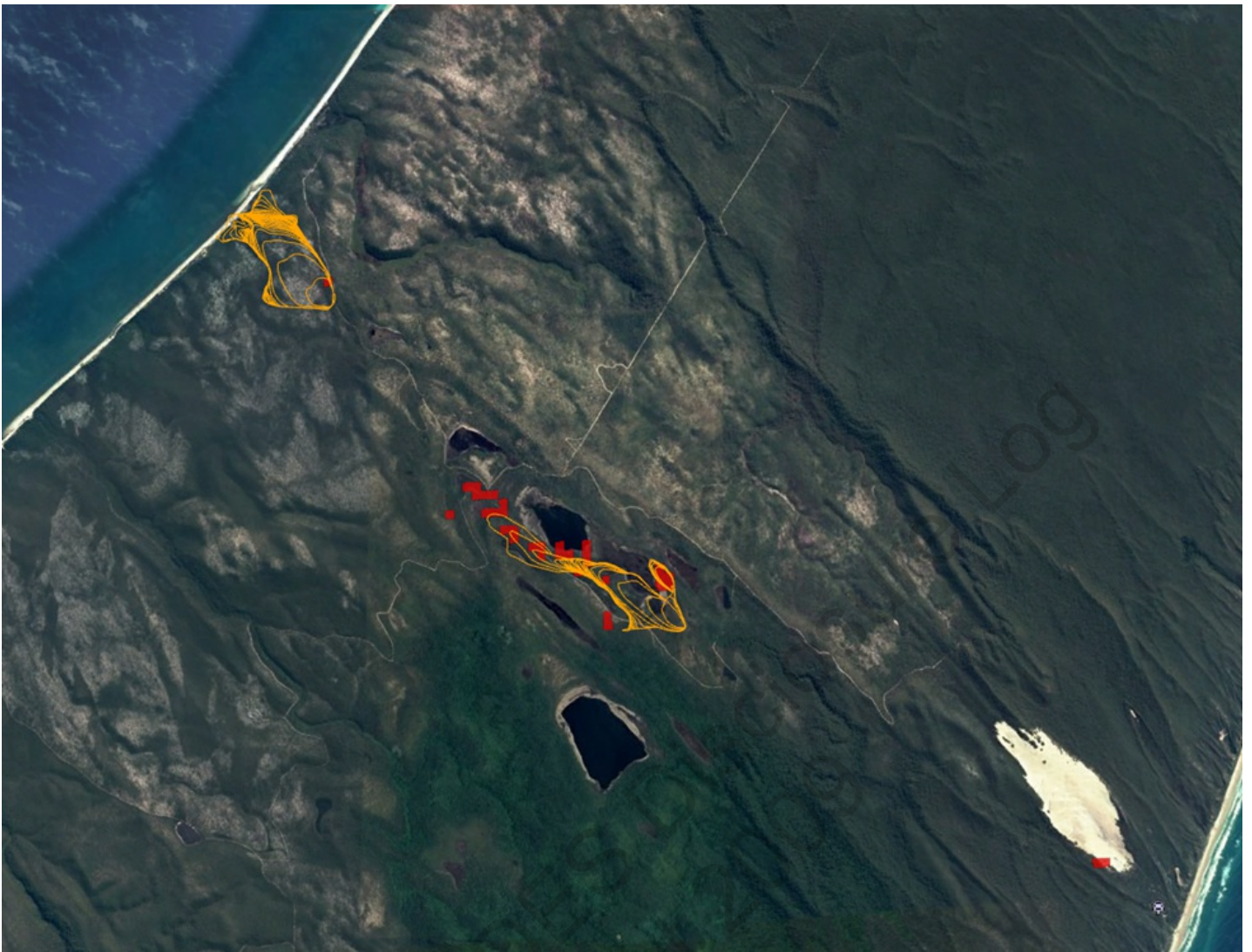
From: SOC Plan Model Predict Unit <SOC.PlanModelPredictUnit@qfes.qld.gov.au>
Sent: Sunday, 8 November 2020 1:46 PM
To: Michael Koch; DARGUSCH Marc
Cc: PSU Reports NCR
Subject: Fraser island simulation

Good Afternoon Michael and Marc,

Below is a Phoenix simulation for the Fraser Island fire, based on the three breakout points indicated.
The ignition time used was 11:00 and the simulation runs for 12 hours.

I have also attached the kmz file that can be viewed in Google Earth.

If you require any further information please don't hesitate to contact the On-Call FBAN on 3635 1808.



Regards
Stephen Lewin

Fire Behaviour Analyst
State Operations Centre
Queensland Fire and Emergency Services | State Operational Coordination Branch
Level 2 Disaster Management Centre | 125 Kedron Park Rd | Kedron Q4031

To contact the On-Call FBAN please call 3635 1808.

From: Michael Koch [Personal information]
Sent: Sunday, November 8, 2020 1:08:46 PM
To: Stephen Lewin <Stephen.Lewin@qfes.qld.gov.au>; DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>
Cc: Michael Koch <Michael.Koch@qfes.qld.gov.au>
Subject: FW:

Stephen,, as discussed, can you please run a simulation for the locations for the spot overs

Many thanks

Michael Koch

From: Michael Koch [<mailto:Michael.Koch@qfes.qld.gov.au>]
Sent: Sunday, 8 November 2020 1:06 PM
To: Michael Koch
Subject:

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- Spot-overs 6&7/11/2020
- Front caused spot over 7/11/2020



Awinya Fire break

COORDINATE SYSTEM: GCS GDA 1994
HORIZONTAL DATUM: GDA 1994

ACCURACY STATEMENT

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MAP PRODUCTION

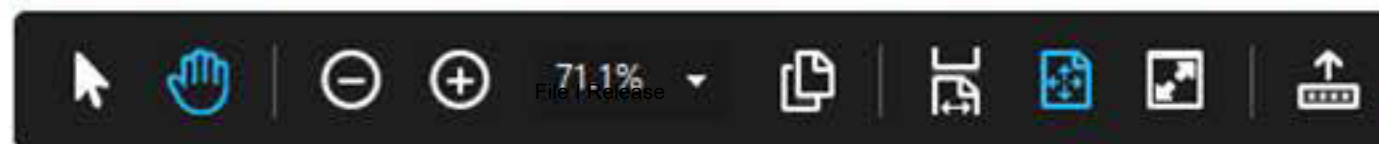
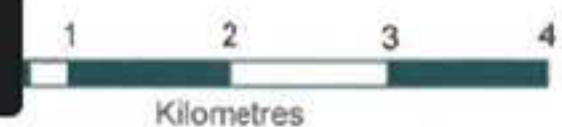
26 October 2020
Queensland Parks and Wildlife Service,
Department of National Parks, Sport and Racing.

VERSION 201702

Awinya_iscpe_gdb_20201026 (palmer)



Queensland
Government



Date : 8/11/2020 11:07:19 AM
From : "DARGUSCH Marc"
To : "Michael Koch"
Cc : "PALMER Matt" , "CIR Fire Team"
Subject : RE: QFES involve in current Duling CZ Wildfire on K'gari
Attachment : image003.png;image004.png;image005.png;
Hi Michael – some rough mapping indicating fire concerns/breach of what was the southern control line.

Conditions not good.

Regards, Marc



From: DARGUSCH Marc
Sent: Sunday, 8 November 2020 10:54 AM
To: Michael Koch
Cc: PALMER Matt; CIR Fire Team
Subject: QFES involve in current Duling CZ Wildfire on K'gari

Hi Michael – I'm thinking QFES should return to the table to be part of the IMT for the current wildfire ASAP given threat to life and property that is 'off-NP estate' (Cathedral Beach Resort and K'gari Camp).

Fire weather conditions deteriorated yesterday and this trend flows through to today and it still doesn't look good tomorrow or during the day on Tuesday. The wildfire has breached the Awinya Firebreak which was the southern-most control point and that puts both Cathedral Beach Resort and K'gari Camp at risk. Cathedral Beach lies about 6km ssw of Dundubara.

In the current fire weather conditions it is not possible to undertake back-burning operations safely.

Anyways, keen to talk. I'll give you a call.

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

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- Spot-overs 6&7/11/2020
- Front caused spot over 7/11/2020



Awinya Fire break

COORDINATE SYSTEM: GCS GDA 1994
HORIZONTAL DATUM: GDA 1994

ACCURACY STATEMENT

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VERSION 201702

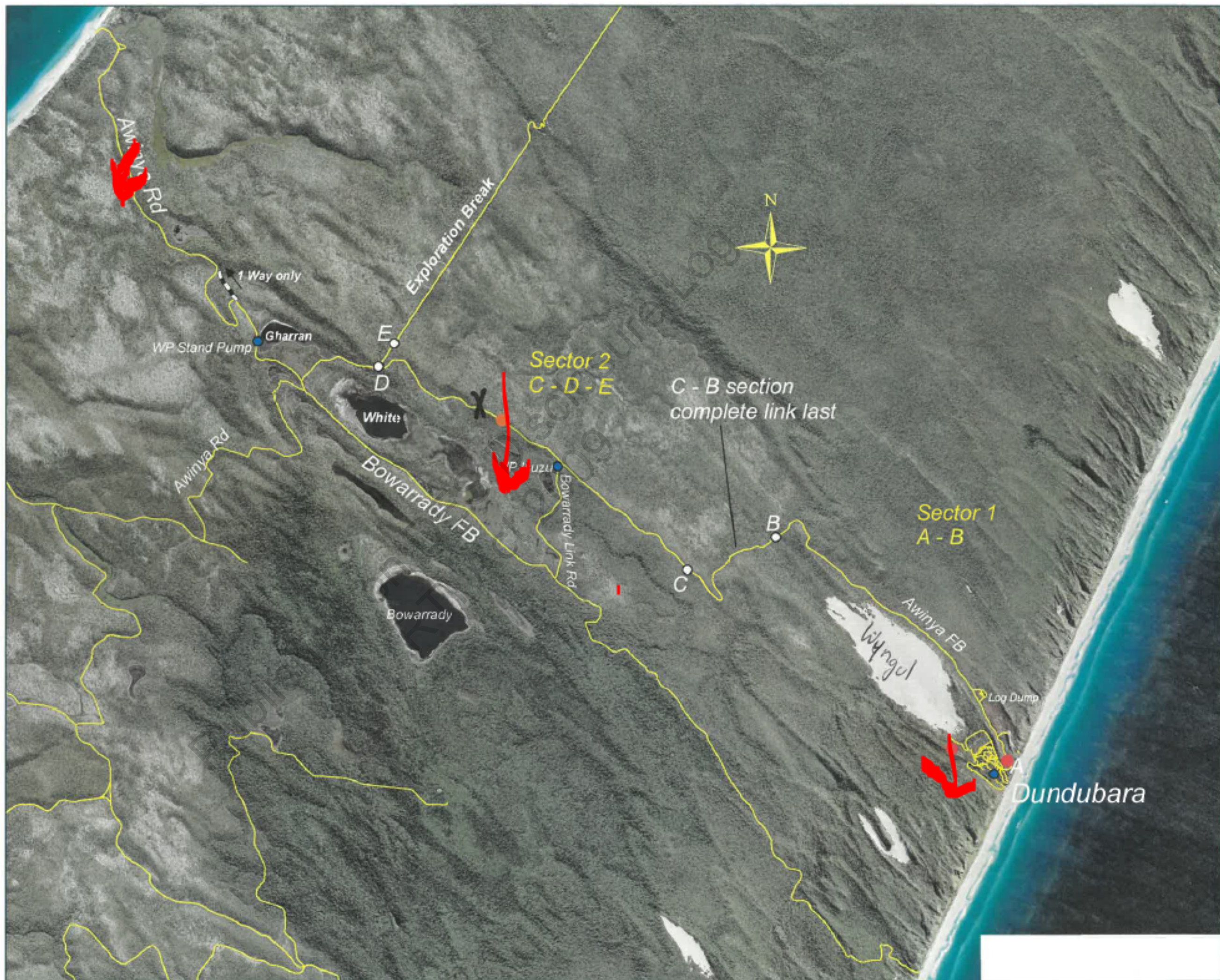
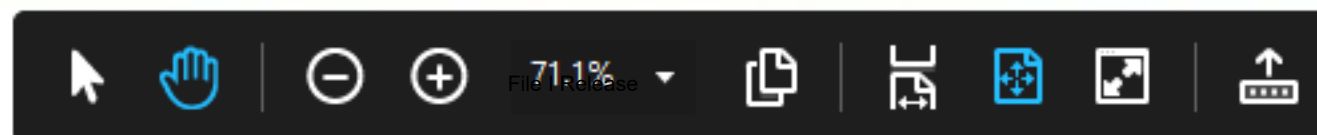
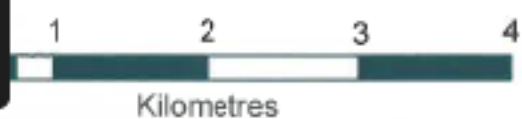
Awinya_iscpe_gdb_20201026 (palmem)



Queensland
Government



20-299



Date : 8/11/2020 12:58:57 PM

From : "DARGUSCH Marc"

To : "Michael Koch" , "PALMER Matt"

Subject : QFES/IMT Teams Meet - Duling CZ Wildfire, K'gari management/tactics/inter-department engagement

Hi guys – some rough notes to kick us off Not sure we'll need 30mins.

Regards, Marc

Speaking points for TeamsMeet with IMT/QFES RE:Duling CZ Wildfire, K'gari

Timing: 1.15pm
Date: Sunday 8Nov2020

- Current situation (share pdf map on screen)
 - Fire
 - Fire Weather conditions
 - Resources
 - Current tactics
- QFES role
 - Need QFES Liaison officer dedicated to this fire given threat to Cathedral Beach Repsort/K'gari Camp.
 - This position to be part of IMT to facilitate communication between QFES-QPWS.
 - QPWS request QFES Liaison Officer be responsible for interacting with Cathedral Beach/K'gari Camp contacts to ensure persons/built infrastructure prepped and safe.
- Tactical options for future ?
 - What are the conditions that we need to make sense of over the coming days ?
 - Modelling ?
 - Northerly change ?
 - Any possibility of rain ?
 - WaterBomb test this arvo to slow progress of wildfire towards Cathedrals/K'gari Camp ?
 - MD attempting to determine costs/hr from StateAirDesk Will then need sign-off above
 - Highest priority will be fire close to Dundy
 - Then adjacent to Bowarrady Link Road
 - Then western spotover
 - What other options have we got ?
 - Talk of waiting for fire to come to break then hold it at this point Is this a realistic scenario – it didn't work on the Awinya Firebreak.
 - Backburning – conditions don't seem suited to this option.

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

[Learn More](#) | [Meeting options](#)

Date : 9/11/2020 12:22:05 PM
From : "DARGUSCH Marc"
To : "QFES State Air Desk" , "PALMER Matt"
Cc : "TAPPLY Jenna" , "HARVEY Peter" , "YETMAN Brendon" , "CIR Fire Team" , "Michael Koch"
Subject : FW: APPROVED: Fraser Island Wildfire - Waterbombing aircraft request
Attachment : 20201109-QPWS-Fraser-Island-B299.docx;201109_WaterTarget-Blue.PNG;image001.png;image003.png;image004.png;
Ben – thanks heaps, great service.

Matt –incoming ☺

Regards, M



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
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From: QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>
Sent: Monday, 9 November 2020 12:16 PM
To: DARGUSCH Marc
Cc: Michael Koch; PALMER Matt; CIR Fire Team; Peter Hollier; QFES AirOpsAdmin; QFES State Air Desk; rohan@imageair.com.au; ops@kennedyair.com.au; Andrew Marnie
Subject: APPROVED: Fraser Island Wildfire - Waterbombing aircraft request

Good afternoon Marc,

Please find attached approved IF21 for Bomber266 to attend Fraser Island Fire for 2hrs.
Have included the pilots contact number if you need to get in touch with him directly.

Ben Macht

State Air Operations Coordinator | QFES State Air Desk
Queensland Fire and Emergency Services

Please contact QFES State Air Desk for all operational aircraft tasking
P 3635 1400 or E qfes.stateairdesk@qfes.qld.gov.au

For Business as usual contact- please utilise:

M **Personal** E benjamin.macht@qfes.qld.gov.au
Level 3, DMC
125 Kedron Park Road, Kedron 4031
GPO Box 1425, Brisbane 4001

From: DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>
Sent: Monday, 9 November 2020 11:39 AM
To: QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>
Cc: Michael Koch <Michael.Koch@qfes.qld.gov.au>; PALMER Matt <Matt.Palmer@des.qld.gov.au>; CIR Fire Team <CIR.fireteam@des.qld.gov.au>
Subject: Fraser Island Wildfire - Waterbombing aircraft request

Hi Ben – I've attached a Form 21 to get the waterbombing test underway + associated maps.

Please ring my mobile if you require more indepth information.

Many thanks, 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

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IF 00.21.00		<h1>AIRCRAFT TASKING</h1> <p>(All coloured sections are MANDATORY)</p>			
		INCIDENT NAME: Orchid Beach Control		Firecall No: QF4-20-116117	
		LOCATION: Dundubara, Fraser Island			
OPERATIONS		Requested by: Marc Dargusch		Time: ASAP	
Phone Contact: Personal info		Position: Principal Ranger Great Sandy Area (QPWS)		Date: 09/11/2020	
STANDBY REQUEST		TASKING REQUEST			
STANDBY REQUIRED		OBSERVATION	TRANSPORT	AIR ATTACK	RESCUE
☐ Yes ☐ No		☐ Reconnaissance ☐ Detection ☐ Aerial Damage Assessment	☐ Personnel ☐ Equipment	☒ Bombing ☐ Supervision ☐ Incendiaries	☐ Medivac ☐ Winching ☐ Swiftwater
☐ Observation / Intel ☐ Search and Rescue ☐ Mapping ☐ Payload					
Date/s Required: 09/11/2020		Time: As soon as possible		Task duration (If known): Maximum total of 2hrs	
Incident Location: attached		Refer map		Latitude S - -25.156391	Longitude E - 153.263611
Aircraft to report to (location of airbase or helibase):					
ICP or ICC Name:		Phone Contact/s: Matt Palmer (QPWS) Personal info Back-up contact Marc Dargusch (QPWS) Personal info		QFES/Agency Channel	
				GWN:	
				UHF:	
				VHF: 18	
<p>Comments: (please specify in detail intended use of aircraft, how you will support (e.g. Aircraft crew AAS AOB), number of aircraft, threatened assets and time of impact and any further information to support the use of the aircraft)</p> <p>Require waterbombing by FireBoss Aircraft (float plane) for the purposes of testing fire response to this action. Fire to be waterbombed by salt water. Major focus: 2x Fires located to south/SW of Dundubara QPWS base/Wungul sandblow on Fraser Island as per attached map (refer to blue area for waterbomb effort). Essentially get pilot to target smoke/flame by sight in this general area.</p> <p>This is financed by QPWS (INV details already established with previous flight effort 27Oct2020).</p> <p>Please send photos/mapping post flight to: matt.palmer@des.qld.gov.au and to marc.dargusch@des.qld.gov.au</p> <p>WARNING FOR AIRCRAFT INBOUND <u>PRIVATE RPAS</u> MAY BE IN USE.</p>					
REGIONAL APPROVAL BY		☐ Regional A/C	☐ DRO	☒ RM RFS	☐ Other _____
Name Peter Hollier		Time	Date 7/11/2020	Signature	
SECTION BELOW TO BE COMPLETED BY STATE AIR DESK					
RECEIVED BY: Ben Macht			TIME: 1141 hrs	DATE: 09/11/2020	
TASKING APPROVED BY					
Name: John Bolger		☐ Commissioner	☐ D/C	☒ CSO A/C	☐ OTHER _____
Task: Approved		Received by: Phone		Time 1152	Date 09/11/2020

State Air Desk Comments: (reasons, other Aircraft in Area, hazards, other Instructions to Pilot)

Aircraft organised on behalf of QPWS. Invoice to be passed on to QPWS.

Pilot contact details: Rohan Lloyd – Mobile: Personal info

APPROVED AIRCRAFT

Call sign	Rego	Company	Intended use of aircraft	Dispatch No. (Arena)
Bomber 266	XAV	Kennedy Air	Bombing	QFES-017-938
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-

Additional Comments:

RETURNED BY: BEN MACHT

DATE: 09/11/2020

TIME:

State Air Desk Checklist

IF21

Initial

Received State Air Desk

Approved / Declined

ABM / Operator advised

Emailed back to region/operators/Airops admin

ARENA

Initial

Request entered

Dispatch completed

Record Dispatch # on IF21

Aircraft Engagement

Initial

Engagement spreadsheet updated

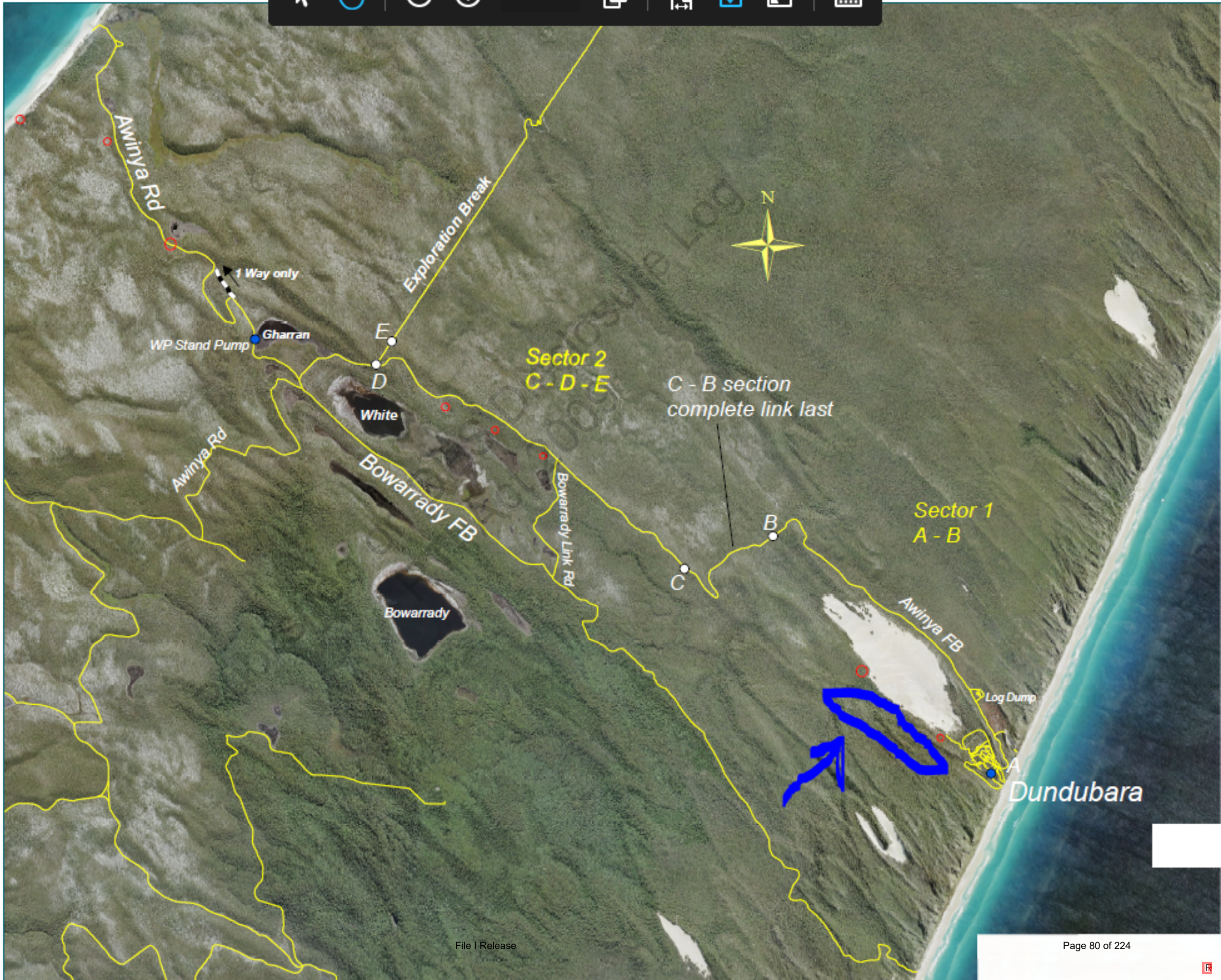
Name:
Signature:
Please file IF21 once completed

Published on DES Disclosure Log
RTI Act 2009



Awinya Fire break

COORDINATE SYSTEM: GCS GDA 1994
HORIZONTAL DATUM: GDA 1994
ACCURACY STATEMENT
Due to varying sources of data, spatial locations may not coincide when overlaid.
DISCLAIMER
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Enquiries should be addressed to:
Director-General
Department of National Parks, Sport and Racing
PO Box 15187, CITY EAST, QLD 4002
MAP PRODUCTION
26 October 2020
Queensland Parks and Wildlife Service,
Department of National Parks, Sport and Racing.
VERSION 201702
Awinya_iscpe_gdb_20201026 (palmerm)



Date : 9/11/2020 12:13:35 PM
From : "DARGUSCH Marc"
To : "Andrew Marnie"
Cc : "Michael Koch"
Subject : FW: Fraser Island Wildfire - Waterbombing aircraft request
Attachment : image001.png;image002.png;image004.png;
Hi Andrew – some feed back from my guys + local QPS in loop.

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: PALMER Matt <Matt.Palmer@des.qld.gov.au>
Sent: Monday, 9 November 2020 12:12 PM
To: DARGUSCH Marc
Cc: TAPPLY Jenna; CIR Fire Team; YETMAN Brendon; HARVEY Peter; Michael Koch; Fitzpatrick.ShaneB[CR]; VurensVanEs.Roland@police.qld.gov.au
Subject: RE: Fraser Island Wildfire - Waterbombing aircraft request

Sure Marc, all is quite here in regards to visitors but will be sure to manage this.

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

From: DARGUSCH Marc <Marc.Dargusch@des.qld.gov.au>
Sent: Monday, 9 November 2020 12:06 PM
To: PALMER Matt
Cc: TAPPLY Jenna; CIR Fire Team; YETMAN Brendon; HARVEY Peter; Michael Koch; Fitzpatrick.ShaneB[CR]; VurensVanEs.Roland@police.qld.gov.au
Subject: FW: Fraser Island Wildfire - Waterbombing aircraft request

Hi Matt – I've just had a call from Andrew Marnie (QFES) who was party to the processing of the Form 21. Can you please make any crews aware that if they see persons using drones in the vicinity of Dundubara that should take action to notify parties to desist due to current air operation.

Many thanks, Marc

From: DARGUSCH Marc
Sent: Monday, 9 November 2020 11:39 AM
To: 'QFES State Air Desk'
Cc: 'Michael Koch'; PALMER Matt; CIR Fire Team
Subject: Fraser Island Wildfire - Waterbombing aircraft request

Hi Ben – I've attached a Form 21 to get the waterbombing test underway + associated maps.

Please ring my mobile if you require more indepth information.

Many thanks, 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

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IF 00.21.00		<h1>AIRCRAFT TASKING</h1> <p>(All coloured sections are MANDATORY)</p>				
		INCIDENT NAME: Orchid Beach Control		Firecall No: QF4-20-116117		
		LOCATION: Dundubara, Fraser Island				
OPERATIONS		Requested by: Marc Dargusch		Time: ASAP		
Phone Contact: Personal info		Position: Principal Ranger Great Sandy Area (QPWS)		Date: 09/11/2020		
STANDBY REQUEST		TASKING REQUEST				
STANDBY REQUIRED		OBSERVATION	TRANSPORT	AIR ATTACK	RESCUE	RPAS
☐ Yes ☐ No		☐ Reconnaissance ☐ Detection ☐ Aerial Damage Assessment	☐ Personnel ☐ Equipment	☒ Bombing ☐ Supervision ☐ Incendiaries	☐ Medivac ☐ Winching ☐ Swiftwater	☐ Observation / Intel ☐ Search and Rescue ☐ Mapping ☐ Payload
Date/s Required: 09/11/2020		Time: As soon as possible		Task duration (If known): Maximum total of 2hrs		
Incident Location: attached		Refer map		Latitude S - -25.156391	Longitude E - 153.263611	
Aircraft to report to (location of airbase or helibase):						
ICP or ICC Name:		Phone Contact/s: Matt Palmer (QPWS) Personal info Back-up contact Marc Dargusch (QPWS) Personal info		GWN: UHF: VHF: 18		
Comments: (please specify in detail intended use of aircraft, how you will support (e.g. Aircraft crew AAS AOB), number of aircraft, threatened assets and time of impact and any further information to support the use of the aircraft)						
Require waterbombing by FireBoss Aircraft (float plane) for the purposes of testing fire response to this action. Fire to be waterbombed by salt water. Major focus: 2x Fires located to south/SW of Dundubara QPWS base/Wungul sandblow on Fraser Island as per attached map (refer to blue area for waterbomb effort). Essentially get pilot to target smoke/flame by sight in this general area. This is financed by QPWS (INV details already established with previous flight effort 27Oct2020). Please send photos/mapping post flight to: matt.palmer@des.qld.gov.au and to marc.dargusch@des.qld.gov.au WARNING FOR AIRCRAFT INBOUND <u>PRIVATE RPAS</u> MAY BE IN USE.						
REGIONAL APPROVAL BY		☐ Regional A/C	☐ DRO	☒ RM RFS	☐ Other _____	
Name Peter Hollier		Time	Date 7/11/2020	Signature		
SECTION BELOW TO BE COMPLETED BY STATE AIR DESK						
RECEIVED BY: Ben Macht			TIME: 1141 hrs	DATE: 09/11/2020		
TASKING APPROVED BY						
Name: John Bolger		☐ Commissioner	☐ D/C	☒ CSO A/C	☐ OTHER _____	
Task: Approved		Received by: Phone		Time 1152	Date 09/11/2020	

State Air Desk Comments: (reasons, other Aircraft in Area, hazards, other Instructions to Pilot)

Aircraft organised on behalf of QPWS. Invoice to be passed on to QPWS.

Pilot contact details: Rohan Lloyd – Mobile Personal info

APPROVED AIRCRAFT

Call sign	Rego	Company	Intended use of aircraft	Dispatch No. (Arena)
Bomber 266	XAV	Kennedy Air	Bombing	QFES-017-938
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-

Additional Comments:

RETURNED BY: BEN MACHT

DATE: 09/11/2020

TIME:

State Air Desk Checklist

IF21

Initial

Received State Air Desk

Approved / Declined

ABM / Operator advised

Emailed back to region/operators/Airops admin

ARENA

Initial

Request entered

Dispatch completed

Record Dispatch # on IF21

Aircraft Engagement

Initial

Engagement spreadsheet updated

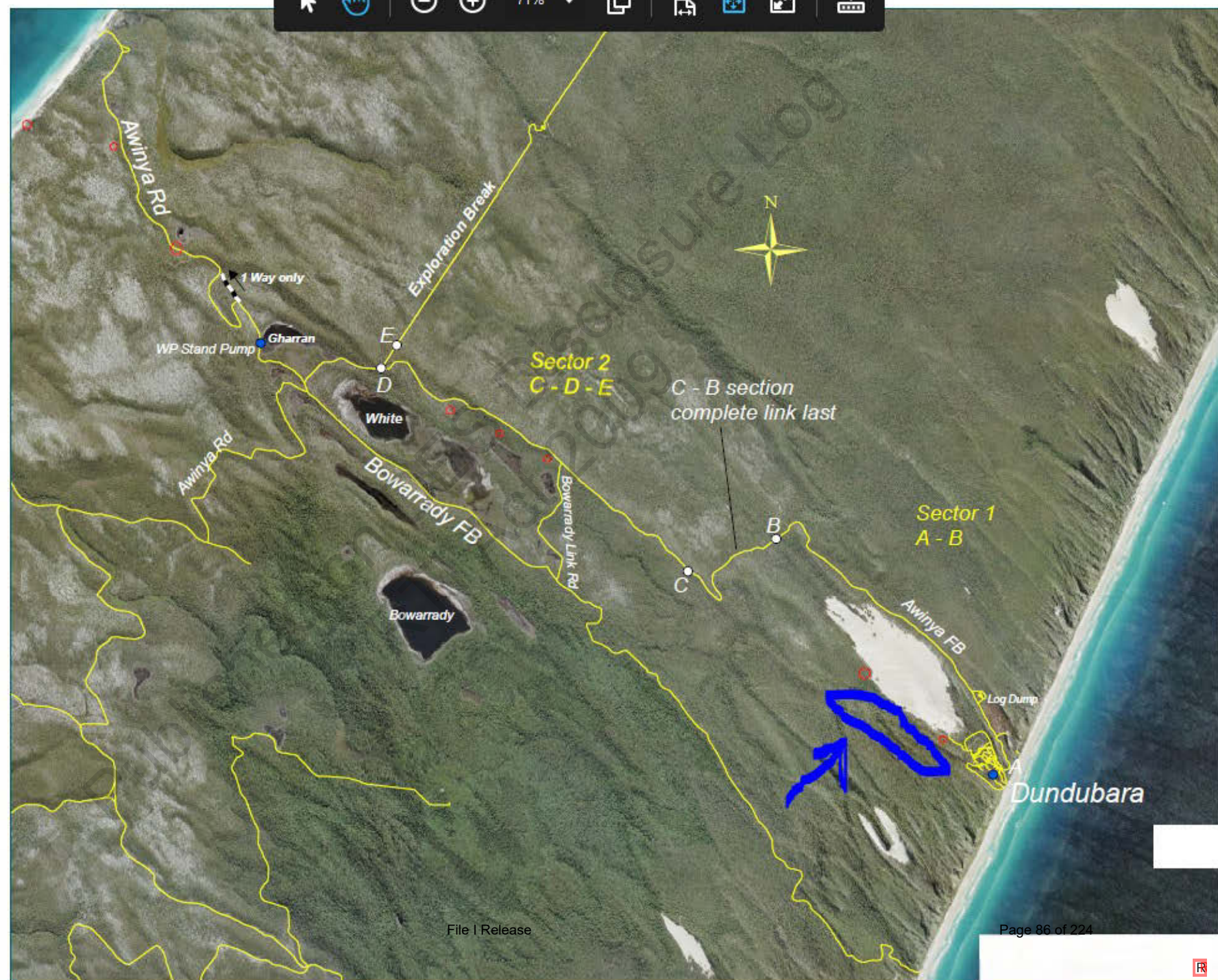
Name:
Signature:
Please file IF21 once completed

Published on DES Disclosure Log
RTI Act 2009



Awinya Fire break

COORDINATE SYSTEM: GCS GDA 1994
HORIZONTAL DATUM: GDA 1994
ACCURACY STATEMENT
Due to varying sources of data, spatial locations may not coincide when overlaid.
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Department of National Parks, Sport and Racing
PO Box 15187, CITY EAST, QLD 4002
MAP PRODUCTION
26 October 2020
20-299
Queensland Parks and Wildlife Service,
Department of National Parks, Sport and Racing.
VERSION 201702
Awinya_scpe_gdb_20201026 (palmerm)



Date : 9/11/2020 2:57:16 PM

From : "DARGUSCH Marc"

To : "QFES State Air Desk"

Cc : "Michael Koch" , "PALMER Matt" , "CIR Fire Team" , "Peter Hollier"

Subject : RE: APPROVED: Fraser Island Wildfire - Waterbombing aircraft request

Attachment : image003.png;image004.png;image005.jpg;image006.png;

Ben – thanks for the coverage on this one, very helpful. Our IMT will be reviewing the operation in regards tactics. The pilot called me during the operation so good comms from that angle also.

Nice doing business.

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

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From: QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>

Sent: Monday, 9 November 2020 2:48 PM

To: DARGUSCH Marc

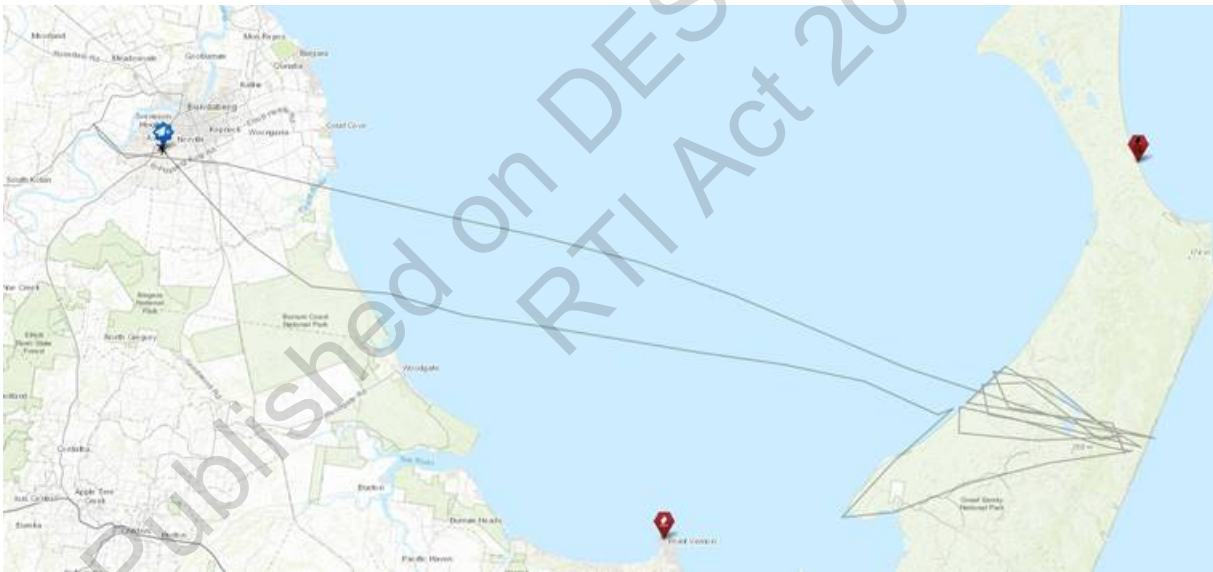
Cc: Michael Koch; PALMER Matt; CIR Fire Team; Peter Hollier; QFES State Air Desk

Subject: RE: APPROVED: Fraser Island Wildfire - Waterbombing aircraft request

Hi Marc,

Just a quick note to let you know that the Fireboss has now returned back to base at Bundaberg.

The contractor has advised that 15000 Litres were delivered in 66 minutes overhead at the fire ground.



Please let me know if you have any questions.

Ben Macht

State Air Operations Coordinator | QFES State Air Desk

Queensland Fire and Emergency Services

Please contact QFES State Air Desk for all operational aircraft tasking

P 3635 1400 or E qfes.stateairdesk@qfes.qld.gov.au

For Business as usual contact- please utilise:

M **Personal** r E benjamin.macht@qfes.qld.gov.au

Level 3, DMC

125 Kedron Park Road, Kedron 4031

GPO Box 1425, Brisbane 4001

Sent: Monday, 9 November 2020 12:16 PM

To: DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>

Cc: Michael Koch <Michael.Koch@qfes.qld.gov.au>; PALMER Matt <Matt.Palmer@des.qld.gov.au>; CIR Fire Team <CIR.fireteam@des.qld.gov.au>; Peter Hollier <Peter.Hollier@qfes.qld.gov.au>; QFES AirOpsAdmin <QFES.AirOpsAdmin@qfes.qld.gov.au>; QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>; rohan@imageair.com.au; ops@kennedyair.com.au; Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>

Subject: APPROVED: Fraser Island Wildfire - Waterbombing aircraft request

Good afternoon Marc,

Please find attached approved IF21 for Bomber266 to attend Fraser Island Fire for 2hrs.
Have included the pilots contact number if you need to get in touch with him directly.

Ben Macht

State Air Operations Coordinator | QFES State Air Desk
Queensland Fire and Emergency Services

Please contact QFES State Air Desk for all operational aircraft tasking

P 3635 1400 or E qfes.stateairdesk@qfes.qld.gov.au

For Business as usual contact- please utilise:

M **Personal** E benjamin.macht@qfes.qld.gov.au

Level 3, DMC

125 Kedron Park Road, Kedron 4031

GPO Box 1425, Brisbane 4001

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

Sent: Monday, 9 November 2020 11:39 AM

To: QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>

Cc: Michael Koch <Michael.Koch@qfes.qld.gov.au>; PALMER Matt <Matt.Palmer@des.qld.gov.au>; CIR Fire Team <CIR.fireteam@des.qld.gov.au>

Subject: Fraser Island Wildfire - Waterbombing aircraft request

Hi Ben – I've attached a Form 21 to get the waterbombing test underway + associated maps.

Please ring my mobile if you require more indepth information.

Many thanks, 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

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20-299 File 1 Release Page 88 of 224

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RTI Act 2009

Date : 8/11/2020 5:30:58 PM

From : "DARGUSCH Marc"

To : "Matthew Inwood"

Cc : "Michael Koch"

Subject : RE: DulingCZ WF K'gari - Thursday 5.11.2020 Morning 0900 SITREP

Attachment : image001.png;image003.png;

Hi Matt – you've left a message on my phone but it is listed as private so I can't respond to you.

All is good with the QPWS-QFES side of things, I've had a Teams Meet with Michael Koch and I am comfortable with where we have landed. We will reengage tomorrow to fine tune our stance.

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.

Date : 10/11/2020 2:29:10 PM

From : "DARGUSCH Marc"

To : "QFES State Air Desk"

Cc : "Michael Koch" , "PALMER Matt" , "CIR Fire Team" , "YETMAN Brendon" , "HARVEY Peter" , "LAVENDER Sven"

Subject : Form 21 - request for AirSurvey - Fraser Island Wildfire

Attachment : 20201110-NCR-Fraser-Island-PM-Mapping.docx;image001.png;image003.png;

Hi Ben – I've attached a Form 21 to see if we can secure an Air Survey ASAP + associated maps.

Please ring my mobile if you require more indepth information.

Many thanks, 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

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IF 00.21.00 	<h1 style="margin: 0;">AIRCRAFT TASKING</h1> <p style="margin: 0;">(All coloured sections are MANDATORY)</p>				
INCIDENT NAME: Orchid Beach Control			Firecall No: QF4-20-116117		
LOCATION: Dundubara, Fraser Island					
OPERATIONS	Requested by: Marc Dargusch			Time: ASAP	
Phone Contact: Personal info		Position: Principal Ranger Great Sandy Area (QPWS)		Date: 10/11/2020	
STANDBY REQUEST		TASKING REQUEST			
STANDBY REQUIRED		OBSERVATION	TRANSPORT	AIR ATTACK	RESCUE
☐ Yes ☐ No		☒ Reconnaissance ☐ Detection ☐ Aerial Damage Assessment	☐ Personnel ☐ Equipment	☐ Bombing ☐ Supervision ☐ Incendiaries	☐ Medivac ☐ Winching ☐ Swiftwater
Date/s Required: 10/11/2020		Time: AM and PM As soon as possible		Task duration (If known):	
Incident Location:		Latitude S - Lat 24° 59' 50.234465" S		Longitude E - Lon 153° 17' 10.51589" E	
Aircraft to report to (location of airbase or helibase):					
ICP or ICC Name:		Phone Contact/s: Sven Lavender Personal info Back-up contact Marc Dargusch (QPWS) Personal info		GWN: UHF: VHF: 18	
Comments: (please specify in detail intended use of aircraft, how you will support (e.g. Aircraft crew AAS AOB), number of aircraft, threatened assets and time of impact and any further information to support the use of the aircraft)					
Require mapping of south-east and southern front/flanks adjacent to Awinya Firebreak (Southernmost line) ASAP to supply additional intel to provide to IMT on the Island + for modelling projections. Also map: <ul style="list-style-type: none"> • fire to west of Awinya Firebreak (southernmost line) • fire in north of Fraser Island especially in relation to Sandy Cape lighthouse. This is financed by QPWS (INV details already established with previous flight effort 27Oct2020). Please send photos/mapping post flight to: sven.lavender@des.qld.gov.au, and to marc.dargusch@des.qld.gov.au					
WARNING FOR AIRCRAFT INBOUND PRIVATE RPAS MAY BE IN USE.					
REGIONAL APPROVAL BY		☐ Regional A/C	☐ DRO	☒ RM RFS	☐ Other _____
Name Peter Hollier		Time	Date 7/11/2020	Signature	
SECTION BELOW TO BE COMPLETED BY STATE AIR DESK					
RECEIVED BY:			TIME: hrs	DATE:	
TASKING APPROVED BY					
Name:		☐ Commissioner	☐ D/C	☐ CSO A/C	☐ OTHER _____
Task:		Received by: Phone		Time	Date

State Air Desk Comments: (reasons, other Aircraft in Area, hazards, other Instructions to Pilot)

APPROVED AIRCRAFT

Call sign	Rego	Company	Intended use of aircraft	Dispatch No. (Arena)
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-

Additional Comments:

RETURNED BY:

DATE:

TIME:

State Air Desk Checklist

IF21

Initial

Received State Air Desk

Approved / Declined

ABM / Operator advised

Emailed back to region/operators/Airops admin

ARENA

Initial

Request entered

Dispatch completed

Record Dispatch # on IF21

Aircraft Engagement

Initial

Engagement spreadsheet updated

Name:
Signature:
Please file IF21 once completed

Published on DES Disclosure Log
RTI Act 2009

Date : 10/11/2020 2:57:03 PM

From : "DARGUSCH Marc"

To : "Michael Koch"

Cc : "LAVENDER Sven" , "PALMER Matt" , "DARGUSCH Anthony" , "TAPPLY Jenna" , "CIR Fire Team"

Subject : FW: APPROVED: Form 21 - request for AirSurvey - Fraser Island Wildfire

Attachment : 20201110-QPWS-Fraser-Island-FB450.docx;image001.png;image003.png;

Hi Michael – are you able to link to the modelling guys for us ? It would be really good to project what the upcoming northerlies might do.

Regards, Marc

From: QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>

Sent: Tuesday, 10 November 2020 2:50 PM

To: DARGUSCH Marc

Cc: Michael Koch; PALMER Matt; CIR Fire Team; YETMAN Brendon; HARVEY Peter; LAVENDER Sven; QFES AirOpsAdmin; QFES State Air Desk; Saouairops Bundaberg; Damien Lindsay (ops@mcdermottaviation.com.au); Peter Hollier

Subject: APPROVED: Form 21 - request for AirSurvey - Fraser Island Wildfire

Hi Marc,

Find attached approved IF21 for BF450 to attend Fraser Island Fire this afternoon to update mapping.

Ben Macht

State Air Operations Coordinator | QFES State Air Desk

Queensland Fire and Emergency Services

Please contact QFES State Air Desk for all operational aircraft tasking

P 3635 1400 or E qfes.stateairdesk@qfes.qld.gov.au

For Business as usual contact- please utilise:

M **Personal** in E benjamin.macht@qfes.qld.gov.au

Level 3, DMC

125 Kedron Park Road, Kedron 4031

GPO Box 1425, Brisbane 4001

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

Sent: Tuesday, 10 November 2020 2:29 PM

To: QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>

Cc: Michael Koch <Michael.Koch@qfes.qld.gov.au>; PALMER Matt <Matt.Palmer@des.qld.gov.au>; CIR Fire Team

<CIR.fireteam@des.qld.gov.au>; YETMAN Brendon <brendon.yetman@des.qld.gov.au>; HARVEY Peter <Peter.Harvey@des.qld.gov.au>;

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

Subject: Form 21 - request for AirSurvey - Fraser Island Wildfire

Hi Ben – I've attached a Form 21 to see if we can secure an Air Survey ASAP + associated maps.

Please ring my mobile if you require more indepth information.

Many thanks, Marc



Marc Dargusch

Principal Ranger – Great Sandy Area

Coastal and Islands Region | QPWS and Partnerships

Department of Environment and Science

M **Personal** in P 07 54869960

Level 6, 12 on First Avenue, Maroochydore 4558

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IF 00.21.00 	<h1 style="margin: 0;">AIRCRAFT TASKING</h1> <p style="margin: 0;">(All coloured sections are MANDATORY)</p>				
INCIDENT NAME: Orchid Beach Control			Firecall No: QF4-20-116117		
LOCATION: Dundubara, Fraser Island					
OPERATIONS	Requested by: Marc Dargusch			Time: ASAP	
Phone Contact: Personal info		Position: Principal Ranger Great Sandy Area (QPWS)		Date: 10/11/2020	
STANDBY REQUEST		TASKING REQUEST			
STANDBY REQUIRED		OBSERVATION	TRANSPORT	AIR ATTACK	RESCUE
☐ Yes ☐ No		☒ Reconnaissance ☐ Detection ☐ Aerial Damage Assessment	☐ Personnel ☐ Equipment	☐ Bombing ☐ Supervision ☐ Incendiaries	☐ Medivac ☐ Winching ☐ Swiftwater
Date/s Required: 10/11/2020		Time: AM and PM As soon as possible		Task duration (If known):	
Incident Location:		Latitude S - Lat 24° 59' 50.234465" S		Longitude E - Lon 153° 17' 10.51589" E	
Aircraft to report to (location of airbase or helibase):					
ICP or ICC Name:		Phone Contact/s: Sven Lavender Personal info Back-up contact Marc Dargusch (QPWS) Personal info		QFES/Agency Channel GWN: UHF: VHF: 18	
<p>Comments: (please specify in detail intended use of aircraft, how you will support (e.g. Aircraft crew AAS AOB), number of aircraft, threatened assets and time of impact and any further information to support the use of the aircraft)</p> <p>Require mapping of south-east and southern front/flanks adjacent to Awinya Firebreak (Southernmost line) ASAP to supply additional intel to provide to IMT on the Island + for modelling projections.</p> <p>Also map:</p> <ul style="list-style-type: none"> fire to west of Awinya Firebreak (southernmost line) fire in north of Fraser Island especially in relation to Sandy Cape lighthouse. <p>This is financed by QPWS (INV details already established with previous flight effort 27Oct2020).</p> <p>Please send photos/mapping post flight to: sven.lavender@des.qld.gov.au, and to marc.dargusch@des.qld.gov.au</p> <p>WARNING FOR AIRCRAFT INBOUND PRIVATE RPAS MAY BE IN USE.</p>					
REGIONAL APPROVAL BY		☐ Regional A/C	☐ DRO	☒ RM RFS	☐ Other _____
Name Peter Hollier		Time	Date 7/11/2020	Signature	
SECTION BELOW TO BE COMPLETED BY STATE AIR DESK					
RECEIVED BY: Ben Macht			TIME: 1429 hrs	DATE: 10/11/2020	
TASKING APPROVED BY					
Name: Stephen Smith		☐ Commissioner	☐ D/C	☒ CSO A/C	☐ OTHER _____
Task: APPROVED		Received by: Phone		Time 14cc hrs	Date 10/11/2020

State Air Desk Comments: (reasons, other Aircraft in Area, hazards, other Instructions to Pilot)

APPROVED AIRCRAFT

Call sign	Rego	Company	Intended use of aircraft	Dispatch No. (Arena)
FB450	YUR	McDermott Aviation	AOB	QFES-017-945
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-

Additional Comments:

RETURNED BY: BEN MACHT

DATE: 10/11/2020

TIME: 1445HRS

State Air Desk Checklist

IF21

Initial

Received State Air Desk

Approved / Declined

ABM / Operator advised

Emailed back to region/operators/Airops admin

ARENA

Initial

Request entered

Dispatch completed

Record Dispatch # on IF21

Aircraft Engagement

Initial

Engagement spreadsheet updated

Name:
Signature:
Please file IF21 once completed

Published on DES Disclosure Log
RTI Act 2009

Date : 10/11/2020 3:11:24 PM

From : "DARGUSCH Marc"

To : "Michael Koch"

Cc : "LAVENDER Sven" , "PALMER Matt" , "DARGUSCH Anthony" , "TAPPLY Jenna" , "CIR Fire Team"

Subject : RE: APPROVED: Form 21 - request for AirSurvey - Fraser Island Wildfire

Attachment : image001.png;

Great – much appreciated.

From: Michael Koch <Michael.Koch@qfes.qld.gov.au>

Sent: Tuesday, 10 November 2020 3:00 PM

To: DARGUSCH Marc

Cc: LAVENDER Sven; PALMER Matt; DARGUSCH Anthony; TAPPLY Jenna; CIR Fire Team

Subject: Re: APPROVED: Form 21 - request for AirSurvey - Fraser Island Wildfire

Will send once we get the current mapping, they can use the hotspots to run their simulations from

Get [Outlook for iOS](#)

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

Sent: Tuesday, November 10, 2020 2:57:03 PM

To: Michael Koch <Michael.Koch@qfes.qld.gov.au>

Cc: LAVENDER Sven <Sven.Lavender@des.qld.gov.au>; PALMER Matt <Matt.Palmer@des.qld.gov.au>; DARGUSCH Anthony <Anthony.Dargusch@des.qld.gov.au>; TAPPLY Jenna <jenna.tapply@des.qld.gov.au>; CIR Fire Team <CIR.fireteam@des.qld.gov.au>

Subject: FW: APPROVED: Form 21 - request for AirSurvey - Fraser Island Wildfire

Hi Michael – are you able to link to the modelling guys for us ? It would be really good to project what the upcoming northerlies might do.

Regards, Marc

From: QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>

Sent: Tuesday, 10 November 2020 2:50 PM

To: DARGUSCH Marc

Cc: Michael Koch; PALMER Matt; CIR Fire Team; YETMAN Brendon; HARVEY Peter; LAVENDER Sven; QFES AirOpsAdmin; QFES State Air Desk; Saouairops Bundaberg; Damien Lindsay (ops@mcdermottaviation.com.au); Peter Hollier

Subject: APPROVED: Form 21 - request for AirSurvey - Fraser Island Wildfire

Hi Marc,

Find attached approved IF21 for BF450 to attend Fraser Island Fire this afternoon to update mapping.

Ben Macht

State Air Operations Coordinator | QFES State Air Desk

Queensland Fire and Emergency Services

Please contact QFES State Air Desk for all operational aircraft tasking

P 3635 1400 or E qfes.stateairdesk@qfes.qld.gov.au

For Business as usual contact- please utilise:

M benjamin.macht@qfes.qld.gov.au or E benjamin.macht@qfes.qld.gov.au

Level 3, DMC

125 Kedron Park Road, Kedron 4031

GPO Box 1425, Brisbane 4001

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

Sent: Tuesday, 10 November 2020 2:29 PM

To: QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>

Cc: Michael Koch <Michael.Koch@qfes.qld.gov.au>; PALMER Matt <Matt.Palmer@des.qld.gov.au>; CIR Fire Team <CIR.fireteam@des.qld.gov.au>; YETMAN Brendon <brendon.yetman@des.qld.gov.au>; HARVEY Peter <Peter.Harvey@des.qld.gov.au>; LAVENDER Sven <Sven.Lavender@des.qld.gov.au>

Subject: Form 21 - request for AirSurvey - Fraser Island Wildfire

Hi Ben – I've attached a Form 21 to see if we can secure an Air Survey ASAP + associated maps.

Please ring my mobile if you require more indepth information.

Many thanks, Marc

20-299

File I Release

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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

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Date : 10/11/2020 5:24:30 PM

From : "DARGUSCH Marc"

To : "Michael Koch"

Cc : "PALMER Matt" , "LAVENDER Sven" , "CIR Fire Team" , "DARGUSCH Anthony"

Subject : RE: FI Mapping

Attachment : image001.png;

Hi Michael – I reckon we are getting there with this. Are the QFES modelling guys going to do some predictions for us ?

Ta, M

From: Michael Koch <Michael.Koch@qfes.qld.gov.au>

Sent: Tuesday, 10 November 2020 4:18 PM

To: PALMER Matt; DARGUSCH Marc

Subject: Fwd: FI Mapping

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From: Shannon Smith <Shannon.Smith@qfes.qld.gov.au>

Sent: Tuesday, November 10, 2020 4:15:51 PM

To: Michael Koch <Michael.Koch@qfes.qld.gov.au>

Subject: FI Mapping

FYI

Shannon Smith

Area Training & Support Officer

Maryborough, Rural Fire Service

Queensland Fire and Emergency Services

P 07 4122 0337

M Personal info



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Date : 13/11/2020 12:46:19 PM

From : "DARGUSCH Marc"

To : "Michael Koch"

Cc : "LAVENDER Sven", "CIR Fire Team", "HARVEY Peter", "YETMAN Brendon", "Mahon.ChrisM[OSC]", "Fitzpatrick.ShaneB[CR]", "Peter Hollier"

Subject : RE: Request for air support for Fraser Island

Attachment : image001.jpg;image005.png;image006.png;image007.png;

Thanks Michael – much appreciated. I think the bit in green should work well.

I'm currently working with CIR-Fire/our Technical Support Unit to prep-docs that will look to secure approvals within QPWS for the future management of this fire. A bit of a window occurs on Sunday evening/Monday Can we hold the fire from Woralie track until then ? We will need to utilise aerial water resources. I don't like the option of trying to hold this wildfire on the Moon Point road.

More on this as we go.

Regards, Marc

From: Michael Koch <Michael.Koch@qfes.qld.gov.au>

Sent: Friday, 13 November 2020 12:09 PM

To: DARGUSCH Marc

Cc: LAVENDER Sven; CIR Fire Team; HARVEY Peter; YETMAN Brendon; Mahon.ChrisM[OSC]; Fitzpatrick.ShaneB[CR]; Peter Hollier

Subject: RE: Request for air support for Fraser Island

Marc

Andrew Marnie will be on the island today, he will liaise with Sven and also the operators @ both Cathedrals & K'gari today.

Mapping happening ATM, will send though when available...att.

- ☐ *What is the plan for managing people at each site ?*
 - o *Will anyone be at the site ?* Owners/operators have been advising their clients. Andrew M will discuss options when he talks today, this would include talking with campers
 - o *If people may be at site, do we need to engage with DDMG/QPS to actively manage them ? Confirm that this is a QFES responsibility ?*
As above, we'll keep DDMG/QPS informed and involved in the decision processes
- ☐ *What is the plan for managing built assets at each site ?*
 - o *Is any further prep work required on site ?* I understand owners/operators (at both sites) are actively preparing their infrastructure
 - o *Are we happy with the level of engagement with landowners ? Is any more work needed in this space ?* Operators/owners have been kept informed
 - o *What is the plan for defence if fire reaches the site ?* These decisions/tactics should be determined on site considering the conditions
 - ☐ *QFES/QPWS action ?*
 - ☐ *Water/machinery/air support ?* Air support will be provided as requested
 - ☒ *Which organisation takes control within the non-protected area precinct ? ... and if control changes hands, what are the triggers for that occurring ?* Happy for QFES to 'manage' but suggest the logistics of how this happens is determined by Andrew & Sven

Michael Koch

Area Director

Rural Fire Service

Maryborough Area Office

Queensland Fire and Emergency Services

M Personal info P (07) 4122 0337



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

Sent: Friday, 13 November 2020 9:38 AM

To: Michael Koch <Michael.Koch@qfes.qld.gov.au>

Cc: LAVENDER Sven <Sven.Lavender@des.qld.gov.au>; CIR Fire Team <CIR.fireteam@des.qld.gov.au>; HARVEY Peter

<Peter.Harvey@des.qld.gov.au>; YETMAN Brendon <brendon.yetman@des.qld.gov.au>; Mahon.ChrisM[OSC]

<Mahon.ChrisM@police.qld.gov.au>; Fitzpatrick.ShaneB[CR] <Fitzpatrick.ShaneB@police.qld.gov.au>

Subject: RE: Request for air support for Fraser Island

Thanks Michael – that's great. A bit of an update from my side + teasing out/clarifying specific responsibilities/actions:

Current tactic: Watch and wait due to fire weather conditions – operational fire crews are in the field.

Are your guys able to assess both of the non-protected area sites (Cathedrals/K'gari Camp) with a view to bringing information to IMT table to ensure tactics are as they should be ? A few notes on this:

- ☐ What is the plan for managing people at each site ?
 - o Will anyone be at the site ?
 - o If people may be at site, do we need to engage with DDMG/QPS to actively manage them ? Confirm that this is a QFES responsibility ?
- ☐ What is the plan for managing built assets at each site ?
 - o Is any further prep work required on site ?
 - o Are we happy with the level of engagement with landowners ? Is any more work needed in this space ?
 - o What is the plan for defence if fire reaches the site ?
 - ☐ QFES/QPWS action ?
 - ☐ Water/machinery/air support ?
 - ☐ Which organisation takes control within the non-protected area precinct ? ... and if control changes hands, what are the triggers for that occurring ?

Western sector (fire burning south of Awinya Fire Break and West of Bowarrady Lake):

Current tactic: Watch and wait due to fire weather conditions

- ☐ Slashing work being undertaken on Woralie Road.
- ☐ Access closed to campers/dayusers on western beach – all roads closed. QPS actively assisting in this space.

Northern sector

Current tactic: Watch and wait due to fire weather conditions

- ☐ Volunteers will be at Sandy Cape lighthouse and have been briefed on fire situation. They will do minor prep around houses and have sprinklers/hoses ready.
- ☐ Planned burning was conducted previously to minimise fire concerns.

Happy to talk detail, 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: Michael Koch <Michael.Koch@qfes.qld.gov.au>

Sent: Friday, 13 November 2020 7:40 AM

To: DARGUSCH Marc

Cc: LAVENDER Sven; CIR Fire Team; HARVEY Peter; YETMAN Brendon

Subject: RE: Request for air support for Fraser Island

Marc

Andrew Marnie will be coming to FI today with Tony Thompson as his support. I'll provide their ETA when confirmed.

Along with the 2 x light attacks, their plan is to stay until Monday, we'll reassess further requirements over the next couple of days.

Happy Valley RFB will be available this weekend (possibly not Saturday) and into the week.

cheers

Michael Koch

20-299

File I Release

Page 104 of 224

Area Director
Rural Fire Service
Maryborough Area Office
Queensland Fire and Emergency Services
M Personahinf P (07) 4122 0337



From: DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>
Sent: Friday, 13 November 2020 7:09 AM
To: Michael Koch <Michael.Koch@qfes.qld.gov.au>
Cc: LAVENDER Sven <Sven.Lavender@des.qld.gov.au>; CIR Fire Team <CIR.fireteam@des.qld.gov.au>; HARVEY Peter <Peter.Harvey@des.qld.gov.au>; YETMAN Brendon <brendon.yetman@des.qld.gov.au>
Subject: RE: Request for air support for Fraser Island

Thanks Michael. Can you advise who/timing of QFES sitting at IMT table for today and weekend ? QPWS will lock down IMT make-up this morning for the coming weekend.

Regards, Marc



Marc Dargusch
Principal Ranger – Great Sandy Area
Coastal and Islands Region | QPWS and Partnerships
Department of Environment and Science
M Personahinf 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: Michael Koch <Michael.Koch@qfes.qld.gov.au>
Sent: Thursday, 12 November 2020 6:11 PM
To: DARGUSCH Marc
Cc: CUBIS Mick; Peter Hollier; rfsq northcoast; Chris Hanlon
Subject: RE: Request for air support for Fraser Island

Marc

Thanks for the information.

To confirm, given the extent of the fire, QFES consider this fire will still be managed overall by QPWS.

Consistent with the management of the fire to date, QFES will support the operations through intelligence/mapping/predictive services and asset protection as required.

regards

Michael Koch
Area Director
Rural Fire Service
Maryborough Area Office
Queensland Fire and Emergency Services
M Personahinf P (07) 4122 0337



From: DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>
Sent: Thursday, 12 November 2020 8:37 AM
To: Michael Koch <Michael.Koch@qfes.qld.gov.au>
Cc: CUBIS Mick <Mick.Cubis@des.qld.gov.au>
Subject: RE: Request for air support for Fraser Island

Hello Michael – QPWS are not prepared to fund Options 1 or 2. If QFES determine that 'life & property' are significantly threatened then QFES will need to fund Option 1.

QPWS will continue to work with QFES to ensure relevant landholders are prepared for a wildfire event and that adequate plans are in place to protect life and property.

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

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: Michael Koch <Michael.Koch@qfes.qld.gov.au>

Sent: Thursday, 12 November 2020 7:13 AM

To: DARGUSCH Marc

Subject: FW: Request for air support for Fraser Island

Michael Koch

Area Director

Rural Fire Service

Maryborough Area Office

Queensland Fire and Emergency Services

M **Personal info** P (07) 4122 0337



From: Peter Hollier <Peter.Hollier@qfes.qld.gov.au>

Sent: Wednesday, 11 November 2020 6:44 PM

To: Gary McCormack <Gary.McCormack@qfes.qld.gov.au>; Michael Koch <Michael.Koch@qfes.qld.gov.au>; ROC North Coast <ROC.NorthCoast@qfes.qld.gov.au>

Subject: Fwd: Request for air support for Fraser Island

Gary

Michael is seeking endorsement and support to the described approach to managing the suppression of the ongoing fire activity on Fraser Island.

If your supportive I will send through to the State Aire Dest for submission at State Level

Regards

Peter

Peter Hollier

Superintendent

Regional Manager

North Coast Region, Rural Fire Service

Queensland Fire and Emergency Services

Phone: (07) 4122 0330

From: Michael Koch <Michael.Koch@qfes.qld.gov.au>

Sent: Wednesday, November 11, 2020 6:36:27 PM

To: Peter Hollier <Peter.Hollier@qfes.qld.gov.au>; rfsq northcoast <rfsq.northcoast@qfes.qld.gov.au>

Subject: Request for air support for Fraser Island

Peter

As discussed

- ☐ Local QPWS staff have requested QPWS executive consider supporting a sustained air attack on the fires burning to the south on Fraser Island
- ☐ State Air Desk have provided indicative costs for QPWS to consider
- ☐ The costs are high (~\$200,000+ not including air attack platform/crew accommodation etc) and should be borne by QPWS however I suggest that QFES give consideration to support the operation if QPWS proceed.
- ☐ I recommend QFES help to offset the costs by paying for air attack platform costs and administrative costs (crew accommodation etc) estimated at ~\$30,000 for the aircraft and ~\$3000 for accommodation etc
- ☐ With the recent rains on FI the plan to back burn from a strategic control line is now not an option
- ☐ The forecast Northerly change will push the fire further to the south
- ☐ There are limited opportunities/effective containment lines to the south
- ☐ Crews will be required to undertake asset protection
- ☐ The fire will further impact on Fraser Island tourism/economy/environment.

I have attached some supporting documentation for your comments please (tomorrow)

thanks

Michael Koch

Area Director

Rural Fire Service

Maryborough Area Office

Queensland Fire and Emergency Services

M Personal info P (07) 4122 0337



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Date : 14/11/2020 8:28:59 AM

From : "DARGUSCH Marc"

To : "Michael Koch"

Cc : "LAVENDER Sven" , "CIR Fire Team" , "HARVEY Peter" , "YETMAN Brendon" , "TAPPLY Jenna" , "KUSKIE James" , "Andrew Marmie" , "Fitzpatrick.ShaneB[CR]"

Subject : RE: Air Obs 14/11/2020

Attachment : image002.png;image003.png;image004.jpg;

Thanks Michael – good luck to all today.

Regards, M



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: Michael Koch <Michael.Koch@qfes.qld.gov.au>

Sent: Saturday, 14 November 2020 8:20 AM

To: DARGUSCH Marc; Peter Hollier

Subject: Air Obs 14/11/2020

Marc, FYI

Air obs en route to FI.

Same MO, will land @ Dundaburra & provide intel after mapping.

Michael Koch

Area Director

Rural Fire Service

Maryborough Area Office

Queensland Fire and Emergency Services

M **Personal info** P (07) 4122 0337



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Date : 14/11/2020 4:05:26 PM
From : "DARGUSCH Marc"
To : "Andrew Marnie"
Cc : "LAVENDER Sven" , "KUSKIE James"
Subject : RE: Incident Weather Request for Fraser Island
Attachment : image001.jpg;image002.jpg;image003.jpg;image004.jpg;
Sounds good Andrew, keen to understand:

- In west side (south end): fire ingress into wetter areas from west – also keen to understand how fire is behaving in these wetter areas Intensity ? Entire front or is it splitting through 'fingers' of dryer forest through the Rainforest/wet forest ?
- In east side (south end): fire in relation to Cathedrals and K'gari camp ? Intensity/behaviour ?
- North: Any ideas what is happening near Sandy Cape ?

Many thanks, Marc

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Saturday, 14 November 2020 3:55 PM
To: DARGUSCH Marc; LAVENDER Sven; KUSKIE James
Subject: FW: Incident Weather Request for Fraser Island

FYI and digestion

Marc Sven is in the chopper as I type

Cheers

Andrew

Andrew Marnie
Bushfire Safety Office
North Coast Region
Queensland Rural Fire Service

Mobile Personal info



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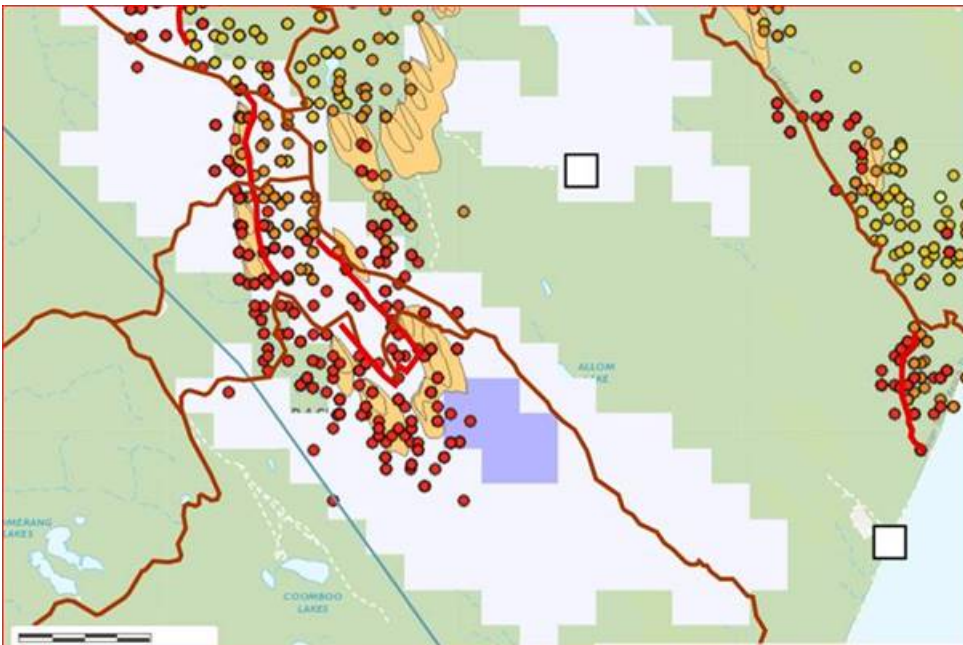
From: Russell Stephens-Peacock <Russell.Stephens-Peacock@qfes.qld.gov.au>
Sent: Saturday, 14 November 2020 3:19 PM
To: SOC State Coordinator <SOC.StateCoordinator@qfes.qld.gov.au>; SOC Operations <SOC.Operations@qfes.qld.gov.au>; Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>; Michael Koch <Michael.Koch@qfes.qld.gov.au>; PSU Reports NCR <PSUReportsNCR@qfes.qld.gov.au>
Cc: Raymond Bott <Raymond.Bott@qfes.qld.gov.au>
Subject: RE: Incident Weather Request for Fraser Island

I can see that the edge is being flown again. This is the simulation that was produced a couple hours ago performing to current hotspots. I placed a 150% increase on wind speeds to help Phoenix as it moves through this type of vegetation. The fire is still within the PIZ (Potential Impact Zone).

As requested using updated mapping and weather forecast:

1. an updated Phoenix simulation will be produced to show the updated simulation through to midnight 14/11/202.
2. Long range Phoenix simulation will be produced to show simulations spanning the next two days.
3. A simulation run for an undetermined duration for time of potential impact to Happy Valley.

1. Simulation time – 14/11/2020 13:00 to 15:00
 - a. Blue and white squares is the smoke showing on BoM radar.
 - b. Red dots are the current Modis hotspots.

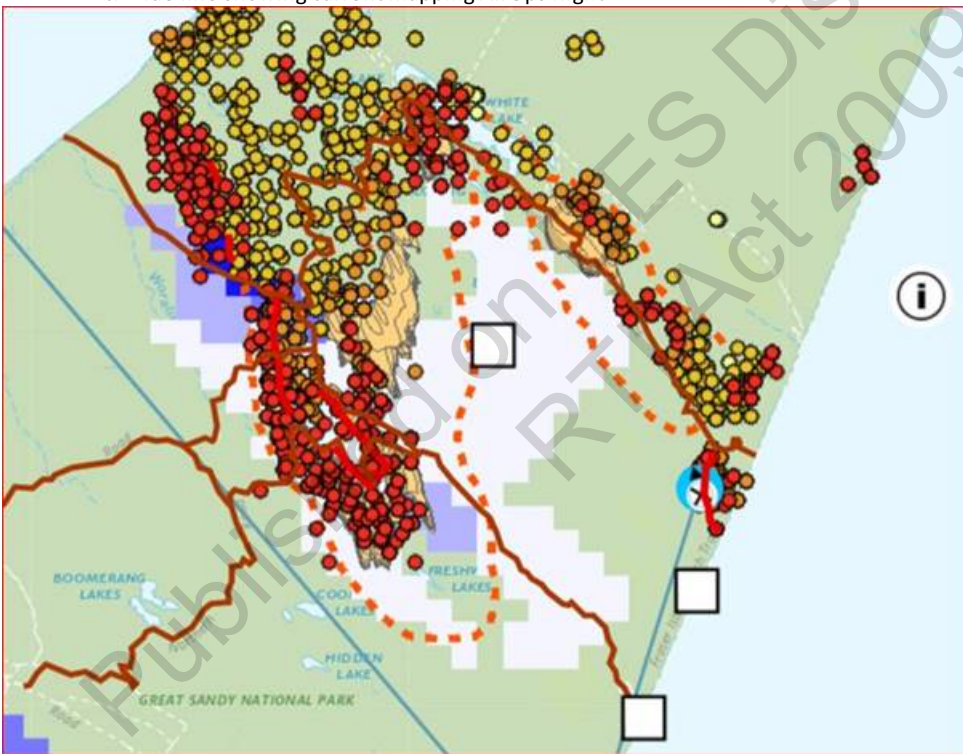


Simulation time – 14/11/2020 13:00 to 15:00

Phoenix (2020 V4.2). The Fraser Island QF4-20-116117 area PHOENIX deterministic simulation.
Queensland Fire and Emergency Services, Predictive Services Unit (PSU). Internal Intelligence

2. Simulation time – 14/11/2020 13:00 to 23:59

- a. Blue and white squares is the smoke showing on BoM radar.
- b. Red dots are the current Modis hotspots.
- c. Blue line showing current mapping AirOps flight



Simulation time – 14/11/2020 13:00 to 23:59

Phoenix (2020 V4.2). The Fraser Island QF4-20-116117 area PHOENIX deterministic simulation with Potential Impact Zone.
Queensland Fire and Emergency Services, Predictive Services Unit (PSU). Internal Intelligence

Regards

Russell Stephens-Peacock
PSU - Fire Behaviour Analyst (Nationally Certified)
Predictive Services Unit
ON Call / After Hours FBAN: (07) 3635 1808

Emergency Management and Community Capability
Queensland Fire and Emergency Services
L2/85 Hudson Road ALBION QLD 4010
GPO BOX 1425 BRISBANE QLD 4001
☎ (07) 3635 3054 M: [Personahini](tel:0736353054)
✉ Russell.Stephens-Peacock@qfes.qld.gov.au



From: Russell Stephens-Peacock

Sent: Saturday, 14 November 2020 2:36 PM

To: SOC State Coordinator <SOC.StateCoordinator@qfes.qld.gov.au>; SOC Operations <SOC.Operations@qfes.qld.gov.au>; Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>; Michael Koch <Michael.Koch@qfes.qld.gov.au>; PSU Reports NCR <PSUReportsNCR@qfes.qld.gov.au>

Subject: Incident Weather Request for Fraser Island

Regards

Russell Stephens-Peacock
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Predictive Services Unit
ON Call / After Hours FBAN: (07) 3635 1808



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☎ (07) 3635 3054 M: **Personahin**
✉ Russell.Stephens-Peacock@qfes.qld.gov.au

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Date : 14/11/2020 10:56:07 AM

From : "DARGUSCH Marc"

To : "Andrew Marnie"

Subject : RE: Sent from Snipping Tool

Thanks Andrew. If plans are sorted for Cathedrals/K'gari camp And it sounds as though they are. Can IMT talk about exactly what options we have for keeping fire from Happy Valley ?

Be clear what is needed and probability of it working Even if we need to waterbomb wet schlero fingers . Be clear on timing also.

I'm keen to brief above me but would also like QFES to be doing the same through their system.

Good ?

Ta, M

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

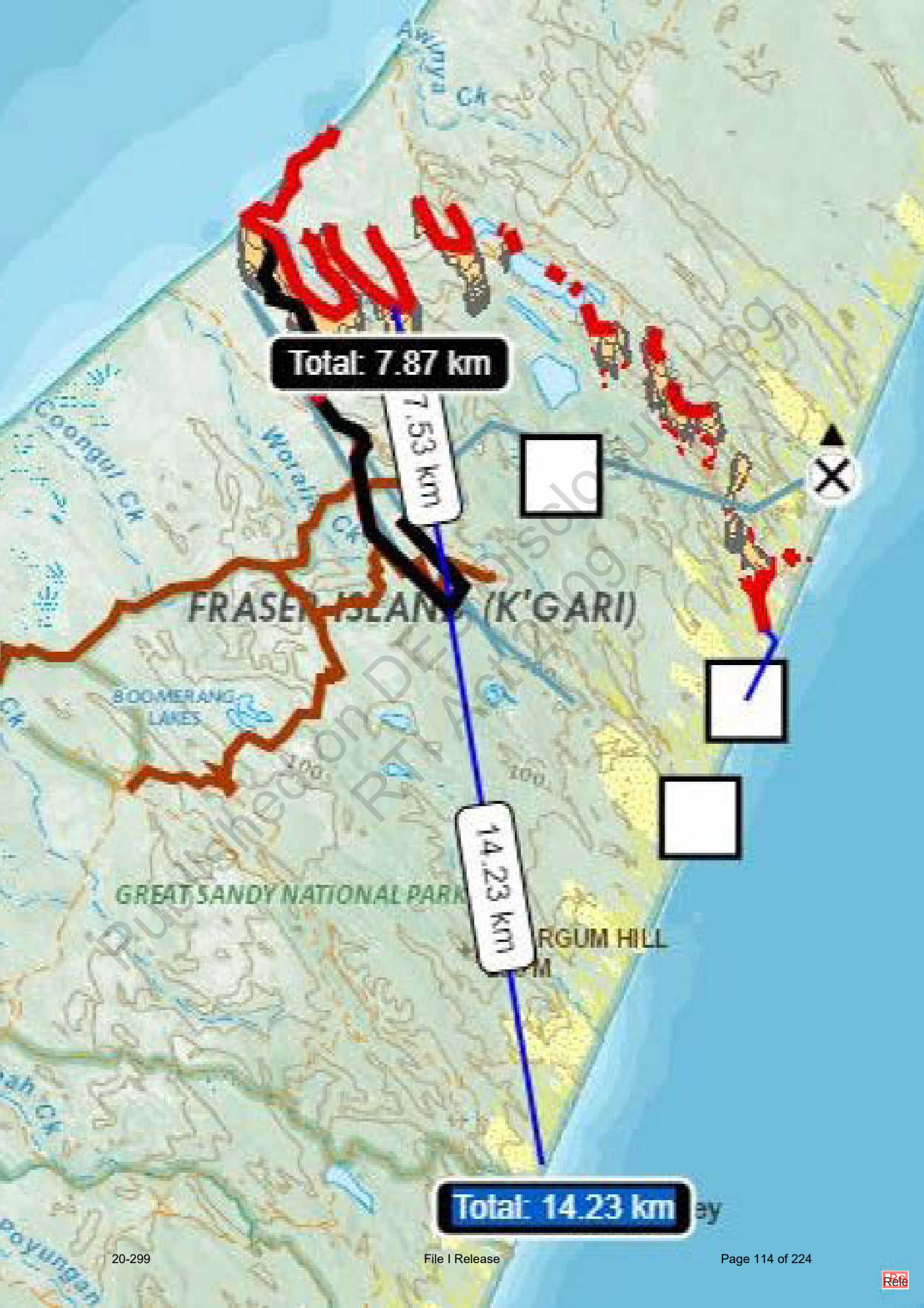
Sent: Saturday, 14 November 2020 10:20 AM

To: DARGUSCH Marc

Subject: Sent from Snipping Tool

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Total: 7.87 km

7.53 km



14.23 km

Total: 14.23 km

Date : 15/11/2020 8:31:15 AM
From : "DARGUSCH Marc"
To : "Andrew Marnie" , "LAVENDER Sven"
Subject : RE: Fraser Island QF4-20-116117 to 14 2359
Attachment : image001.jpg;image002.jpg;image003.jpg;image004.jpg;
Hi Sven and Andrew – Keen to get some talk on the below.

I understand the initial stance by QPWS is that gel use is acceptable if tied to managing fire RE:life and property.

Sven –keen to reconcile with any ED interaction with IMT so that we all on same page.

Hope to talk soon.

M

From: DARGUSCH Marc
Sent: Saturday, 14 November 2020 6:24 PM
To: Andrew Marnie; LAVENDER Sven
Subject: RE: Fraser Island QF4-20-116117 to 14 2359

Hi Sven and Andrew – what are we thinking for the future ?

M

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Saturday, 14 November 2020 5:35 PM
To: LAVENDER Sven; DARGUSCH Marc
Cc: Russell Stephens-Peacock
Subject: FW: Fraser Island QF4-20-116117 to 14 2359

FYI – be aware the accuracy is significantly less than our normal predictions because it is for over 24 hours

Notes

- 1- Some movement inland from the SE Fire heading towards sand blows
- 2- Western fire ROS is expected to slow and fire is looking to track south of the sand blows near K'Gari.

Obviously accuracy will improve as predictions times shorten

Regards

Andrew

Andrew Marnie
Bushfire Safety Office
North Coast Region
Queensland Rural Fire Service

Mobile Personal info



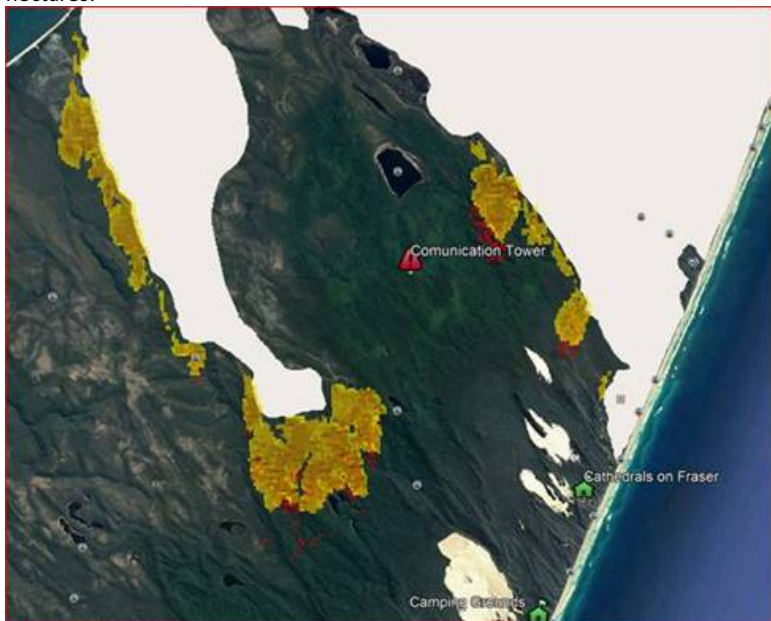
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From: Russell Stephens-Peacock <Russell.Stephens-Peacock@qfes.qld.gov.au>
Sent: Saturday, 14 November 2020 5:12 PM
To: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>; Michael Koch <Michael.Koch@qfes.qld.gov.au>; PSU Reports NCR <PSUReportsNCR@qfes.qld.gov.au>
Cc: Raymond Bott <Raymond.Bott@qfes.qld.gov.au>
Subject: RE: Fraser Island QF4-20-116117

24 hour simulation through to midnight 15/11/2020.

Phoenix 24 hour screenshot showing potential spread through to midnight 15/11/2020 with a potential contribution to the fire size of 1156 hectares.



Simulation time – 14/11/2020 16:30 to 15/11/2020 23:59

Phoenix (2020 V4.2). The Fraser Island QF4-20-116117 area PHOENIX deterministic simulation.
Queensland Fire and Emergency Services, Predictive Services Unit (PSU). Internal Intelligence

From: Russell Stephens-Peacock

Sent: Saturday, 14 November 2020 4:57 PM

To: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>; Michael Koch <Michael.Koch@qfes.qld.gov.au>; PSU Reports NCR <PSUReportsNCR@qfes.qld.gov.au>

Cc: Raymond Bott <Raymond.Bott@qfes.qld.gov.au>

Subject: Fraser Island QF4-20-116117

I have re done the simulation for Fraser through to midnight tonight with little spread to the extent. The fire increases in size by 99 hectares. The current size of the Fraser Island QF4-20-116117 is:

Area = 38,209 hectares

Perimeter = 215 kilometres

A 24 hour and forecast simulation to follow.

Phoenix screenshot showing potential spread through to midnight.



Simulation time – 14/11/2020 16:30 to 23:59

Phoenix (2020 V4.2). The Fraser Island QF4-20-116117 area PHOENIX deterministic simulation.
Queensland Fire and Emergency Services, Predictive Services Unit (PSU). Internal Intelligence

Regards

Russell Stephens-Peacock
PSU - Fire Behaviour Analyst (Nationally Certified)
Predictive Services Unit
ON Call / After Hours FBAN: (07) 3635 1808



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12/85 Hudson Road ALBION QLD 4010
GPO BOX 1425 BRISBANE QLD 4001
☎ (07) 3635 3054 M: Personal
✉ Russell.Stephens-Peacock@qfes.qld.gov.au

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Date : 15/11/2020 1:24:21 PM

From : "DARGUSCH Marc"

To : "JUSTER Trent", "michael.koch@qfes.qld.gov.au", "Andrew Marnie", "BEHRENDORFF Linda"

Cc : "MACDONALD Stirling", "SEELEITHER Jamie", "CIR Fire Team", "LAVENDER Sven", "YETMAN Brendon", "HARVEY Peter"

Subject : RE: K'gari camp update

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

All – just a heads up that I made contact with **Personainform** (K'gari Camp chairman) on the below number (1.09pm 2m51s).

I asked if he had had contact with DNRME/QPWS or QFES in relation to the current wildfire and the lease property, K'gari Camp. He said a couple of people had rang him.

I said that QPWS had undertaken their standard work on the section of the Northern fire trail but that, in current conditions, QFES believed that the property to be un-defendable.

Persona said the Dustyn Currie was going over to the property tomorrow to undertake some other work to assist in preparation (he believed it was whipper snipping).

I left **Persona** with my phone contact details.

M

From: JUSTER Trent <Trent.Juster@dnrme.qld.gov.au>

Sent: Friday, 13 November 2020 8:44 AM

To: LAVENDER Sven; michael.koch@qfes.qld.gov.au

Cc: MACDONALD Stirling; DARGUSCH Marc

Subject: RE: K'gari camp update

Morning Sven and Michael,

I have a few contact details for the K'gari camp that you might light to keep.

Personainform - **Personainfo** (Chairman of K'gari Education and Cultural Centre (the Lessees of 1FS92). He lives at Hervey Bay. He said that no one should be living at the camp ATM as it's been closed since Covid. He said that someone from Dingo's (the backpacker operator that takes clients to the camp) would be up there once or twice a week to check on things.

The contact for Dingo's that **Persona** gave me us **Personainform** **Personainfo** and **Persona** says that **Person** would be in contact with the QPWS guys about the fire control lines around the outside of the dingo fence and connecting north to the Worralie Track.

Regards

Trent



Trent Juster

A/Regional Coordinator - Fire

State Land Management Services | South Region

Department of Natural Resources, Mines and Energy

P: 07 41312367 M: **Personainform**

E: trent.juster@dnrme.qld.gov.au

A: 16-32 Enterprise Street, Bundaberg QLD 4670 | PO BOX 1167, Bundaberg QLD 4670

W: www.dnrme.qld.gov.au



DNRME

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

Sent: Thursday, 12 November 2020 11:22 AM

To: JUSTER Trent

Cc: MACDONALD Stirling; LAVENDER Sven; michael.koch@qfes.qld.gov.au

Subject: RE: K'gari camp update

Hi Trent – Thanks for your work on this.

Just confirming that BAC don't run K'gari Camp, the camp lessees are individual Butchulla people who may or may not be happy to interact with BAC.

Regards, Marc

From: JUSTER Trent <Trent.Juster@dnrme.qld.gov.au>
Sent: Thursday, 12 November 2020 10:51 AM
To: DARGUSCH Marc; LAVENDER Sven; michael.koch@qfes.qld.gov.au
Cc: MACDONALD Stirling
Subject: K'gari camp update
Importance: High

Morning Michael, Sven and Mark,

Just to confirm I have spoken to **Person** (Tour Operator at K'gari **Personal info**) and he advised there is a couple of people heading up to K'gari today to spend time tidying up around the sheds etc and taking anything that they potentially don't want burnt. I have also left a message with the lessee **Personal info** to find out if further prep work was going to be organised latter in the week and on the weekend. I haven't received any further info back at this point.

I have also contacted BAC to enquire if they were planning on sending staff over to help tidy up around the lease in the next few days. I haven't received a call or email as yet.

I will talk with **Person** latter today to see what has been achieved today.

Trent



Trent Juster
A/Regional Coordinator - Fire
State Land Management Services | South Region
Department of Natural Resources, Mines and Energy

P: 07 41312367 M: **Personal info**
E: trent.juster@dnrme.qld.gov.au
A: 16-32 Enterprise Street, Bundaberg QLD 4670 | PO BOX 1167, Bundaberg QLD 4670
W: www.dnrme.qld.gov.au



From: JUSTER Trent
Sent: Tuesday, 10 November 2020 3:58 PM
To: MACDONALD Stirling; DARGUSCH Marc
Subject: RE: DNRME Regional Fire Coordinator

Thankyou Stirling.



Trent Juster
A/Regional Coordinator - Fire
State Land Management Services | South Region
Department of Natural Resources, Mines and Energy

P: 07 41312367 M: **Personal info**
E: trent.juster@dnrme.qld.gov.au
A: 16-32 Enterprise Street, Bundaberg QLD 4670 | PO BOX 1167, Bundaberg QLD 4670
W: www.dnrme.qld.gov.au



Sent: Tuesday, 10 November 2020 3:57 PM
To: DARGUSCH Marc
Cc: JUSTER Trent; MACDONALD Stirling
Subject: DNRME Regional Fire Coordinator

Hi Marc, Trent Juster, Regional Fire Coordinator DNRME has contacted me to introduce himself and advise that he has been talking to Michael Koch about K'gari camp and Cathedrals lease areas. I suggested you might give Trent a call to discuss responsibilities and actions regarding the wildfire situation that has the potential to affect both areas.

Trent, Marc is the operational Principal Ranger, Great Sandy Area which includes K'gari. Marc is also involved in planning and resourcing for the fire on currently burning on K'gari

Trent's contact details are:

Surname(s): Juster
First Name: Trent
Personal Title: Mr
Job Title: A/ Regional Coordinator - Fire
Agency: Department of Natural Resources Mines and Energy
Location: Level 1, 16-32 Enterprise Street, Bundaberg Queensland 4670
Postal Address: PO Box 1143
Bundaberg
QLD, 4670
Extension: 22392
Telephone: (07) 4131 2367
Mobile: Personal info
Fax: (07) 4131 2308
E-mail: Trent.Juster@dnrme.qld.gov.au

Cheers

Stirling MacDonald

Acting Principal Ranger – Technical Support

Coastal and Island Parks | Queensland Parks and Wildlife Service
Department of Environment and Science

M: Personal info | E: stirling.macdonald@des.qld.gov.au
60 Mt Nebo Road, The Gap, 4061 |



Date : 15/11/2020 10:41:57 AM
From : "DARGUSCH Marc"
To : "Andrew Marnie"
Cc : "LAVENDER Sven" , "BEHRENDORFF Linda"
Subject : RE: QEMR as at 15/11/2020 10:00
Attachment : image001.jpg;image005.png;image006.png;image007.png;

Thanks Andrew

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Sunday, 15 November 2020 10:28 AM
To: DARGUSCH Marc
Cc: LAVENDER Sven; BEHRENDORFF Linda
Subject: RE: QEMR as at 15/11/2020 10:00

Not Correct will follow up with Peter Hollier.

Obs mapping only operational flights

Planning has taken place for bombing but no request has been made or tasking occurred.

Regards

Andrew

Andrew Marnie
Bushfire Safety Office
North Coast Region
Queensland Rural Fire Service

Mobile Personal info



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From: DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>
Sent: Sunday, 15 November 2020 10:18 AM
To: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Cc: LAVENDER Sven <Sven.Lavender@des.qld.gov.au>; BEHRENDORFF Linda <linda.behrendorff@des.qld.gov.au>
Subject: FW: QEMR as at 15/11/2020 10:00

Hi Andrew – can you add your comments to the bit in yellow below ? My thoughts are that there is confusion and that the only waterbombing that has occurred is that on the western edge of Awinya Fbreak in an attempt to stop the fire front spreading in the west.

Would appreciate a speedy return as Media Unit pushing.

Kind regards, Marc

From: HEAD Damien <Damien.Head@des.qld.gov.au>
Sent: Sunday, 15 November 2020 10:13 AM
To: DARGUSCH Marc; CUBIS Mick; CAMBOURN Neil
Subject: Fwd: QEMR as at 15/11/2020 10:00

Marc

You will need to confirm status.

Sent from my iPhone

Begin forwarded message:

From: Media DES <Media@des.qld.gov.au>
Date: 15 November 2020 at 10:10:46 am AEST
To: HEAD Damien <Damien.Head@des.qld.gov.au>
Cc: DAVIDSON Brent <Brent.Davidson@des.qld.gov.au>, GRANT Andrea <Andrea.Grant@des.qld.gov.au>
Subject: FW: QEMR as at 15/11/2020 10:00

Hi Damien,

Just further to our chat about water bombing which we say hasn't happened – this QFES report (see below) says they did water bombing.

QFES Significant Operations

o Fraser Coast LGA: Queensland Fire & Emergency Service crews continue to assist Queensland Parks and Wildlife Service with a bush fire on Fraser Island. QPS declared an Emergency Situation under the PSPA yesterday as the fire encroached on campsites and buildings at the Cathedrals, on the eastern side of the island. **Water bombing aircraft conducted water drops yesterday with further aerial support expected today.** •



Felicity Moore
Senior Media Officer
Media Unit | Corporate Communications
Department of Environment and Science

P 07 3339 5831
M **Personahin**
GPO Box 2454, Brisbane QLD 4001

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[Chat with me on Teams!](#)

If it's a media matter, please include the group email media@des.qld.gov.au
Website www.des.qld.gov.au

From: NGComms <sdcccqfes@id.ngcomms.net> On Behalf Of State Disaster Coordination Centre
Sent: Sunday, 15 November 2020 10:00 AM
To: DES Disaster & Disruption Network
Subject: QEMR as at 15/11/2020 10:00

Good morning,

Please see linked below the Queensland Emergency Management Report as at 15/11/2020 10:00.

QEMR Link: <https://www.disaster.qld.gov.au/dmp/QEMR/QEMR-as-at-1000hrs-15-November-2020.pdf>

If you require further information, please contact the Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire & Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M: **Personahin**
F: 07 3357 4682 | E: sdccc@qfes.qld.gov.au

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Date : 15/11/2020 10:43:06 AM
From : "DARGUSCH Marc"
To : "Andrew Marnie"
Cc : "LAVENDER Sven" , "BEHRENDORFF Linda"
Subject : RE: QF4-20-116117 Fraser Island 1000 15 Nov Sitrep
Attachment : image001.jpg;

No biggies, keen to ensure clarity as it may get called above me.

Thanks heaps, Marc

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Sunday, 15 November 2020 10:32 AM
To: DARGUSCH Marc; LAVENDER Sven; BEHRENDORFF Linda
Subject: RE: QF4-20-116117 Fraser Island 1000 15 Nov Sitrep

Sectorization is my error I will correct

Sorry about the confusion

Regards

Andrew

Andrew Marnie
Bushfire Safety Office
North Coast Region
Queensland Rural Fire Service

Mobile Personal info



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From: DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>
Sent: Sunday, 15 November 2020 10:18 AM
To: LAVENDER Sven <Sven.Lavender@des.qld.gov.au>; BEHRENDORFF Linda <linda.behrendorff@des.qld.gov.au>
Cc: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>; CIR Fire Team <CIR.fireteam@des.qld.gov.au>
Subject: FW: QF4-20-116117 Fraser Island 1000 15 Nov Sitrep

Hi Sven and Linda – can you confirm is is IC currently please ?

Keen to get together with IMT this AM to lock down way forward.

I note in the attached that QFES believes the fire is not sectorised I thought this was done i.e. three sectors essentially SE, SW, North ?

Regards, Marc

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Sunday, 15 November 2020 9:56 AM
To: Peter Hollier
Cc: rfsq northcoast
Subject: QF4-20-116117 Fraser Island 1000 15 Nov Sitrep

Good morning

1000 Sitrep and Sabre 6 Day Weather attached.

Regards

Andrew

Andrew Marnie
Bushfire Safety Office
North Coast Region
Queensland Rural Fire Service

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IF 00.15.00		<h1 style="text-align: center;">SITUATION REPORT</h1>	
			
* INCIDENT NAME: K'Gari (Fraser Island) Fire		* TIME OF CALL: 0830	
		* FIRECALL NO.: Q4-20-116117	
PLANNING <i>*Mandatory Fields</i>	* LOCATION: Dundabura QPWS Office		* MAP REF:

S	Update as at 1000 15 Nov 2020	OFFENSIVE ☐
	<p>The SE fire has advanced 300 m approx. kilometre south overnight and is now located 1 kilometres to the North of Cathedral Beach Camping/Accommodation Area. This is significantly less than was expected.</p> <p>The Western fire has moved approx. 1.4 kilometres in a SSW Direction overnight towards Happy Valley in SSW and ESE direction as per TOM Mapping</p>	DEFENSIVE ☐
	Weather SABRE 6 Day Fire Weather forecast is attached. Significant weather: <ul style="list-style-type: none"> ROS- Sun and Mon 150 metres per hour The predicted wind change on 17 Nov will push fire inland to the NW and then W <ul style="list-style-type: none"> Evening 17 Nov (Tues) wind swings from N to SE remains SE till Midday Thursday 19 Nov then is E till end of forecast ie Sat 21 Nov <p>Fire is expected to continue to move SSW over the next 24 – 48 hours at a reduced rate of spread due to weather</p>	
	Cathedral Beach <ul style="list-style-type: none"> ICC in conjunction with QPS is reassessing warning and requirement for PSPA to remain in force 	
	K'Gari Camping Area <ul style="list-style-type: none"> If needed will look to burn off external fire trail Camp infrastructure is not defensible due to vegetation, limited internal roads and one exit route. 	MARGINAL ☐
	Happy Valley <ul style="list-style-type: none"> Twice daily air obs mapping has been requested for Sunday and Monday to allow ICC to be better informed on ROS and fire movement for potential impact on Happy Valley PSU are also using twice daily mapping to better ground truth the inputs for their Fire Predictions PSU long range prediction to 20 Nov <ul style="list-style-type: none"> Suggest that Cathedral Beach, K'Gari Camp and Happy Valley will not be impacted largely due to change in wind direction. PSU emphasised this prediction is a guide on.ly The immediate threat to Happy Valley has eased but the potential impact continues to be monitored closely by the ICC ICC is very aware of assessing likelihood of impact in Happy Valley and continued PSPA at Cathedral Beach as accurately as possible given the areas have been severely impacted by COVID 19 as the areas are fully booked with schoolies commencing and the need to minimise the financial impact on the associated business and landlords. 	

M	INCIDENT OBJECTIVES
	To control the fire and protect Cathedral Beach, K'Gari and Happy Valley

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

GENERAL COMMENTS (Include relevant information not covered above)

Helitak Operations – Cathedral Beach Helipad IS NOT Suitable for 214B Collar tank operations due to size 20 metres in diameter and limited approach departure angles.

The ICC is also aware of the level of mainstream and social media interest, speculation and ‘fake news’ around this fire.

Evacuation of Cathedral Beach

- **Voluntary Relocation**
 - o Campground is closed
 - o Jack Worcester is remaining on site to assist crews with local infrastructure knowledge and is a former member of Benogin RFB, SER.
- **Pippies Backpackers Sub-Lease** – following a visit by QPS the two gentleman were happy to relocate

PREPARED BY: BSO A MARNIE		APPROVED BY:	
TIME: 0945	DATE: 15/11/2010	QFES LO	
NEXT SITREP DUE:		TIME:	DATE:



Forecast Fire Behaviour & Weather Summary

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

STEP 1 - Select Location
HAPPY_VALLEY_RURAL

STEP 2 - ROS Model
Forest

STEP 3 - Forest Fuel Load (t/ha)
17.00t/ha

STEP 4 - Heath Height (m)
0.5m

STEP 5 - Slope (Degrees)
0Deg

STEP 6 - Select Days
All

Choose Wildfire or HRB
Wildfire Behaviour Guidance

Today's (Sunday, 15 November 2020) Peak Fire Behaviour Guidance in the Vicinity of

HAPPY_VALLEY_RURAL, NORTH COAST Region and MARYBOROUGH Rural Area, in Forest Fuel

Based on BOM Forecast Data Updated @ 15/11/2020 7:45:23 AM

FIRELINE SAFETY: Expect about 0hr today where Direct Attack on the headfire maybe unsafe, i.e. above fireline intensity of 4,000kW/m

WIND & SPREAD: Peak daily wind speed is forecast to be 23km/h so in Forest expect rates of spread near 138m/hr

EASE OF IGNITION/SPREAD: With FMC today reaching as low as 8% Fuels can ignite fairly easily and develop moderately fast, spot fire ignition risk is moderate.

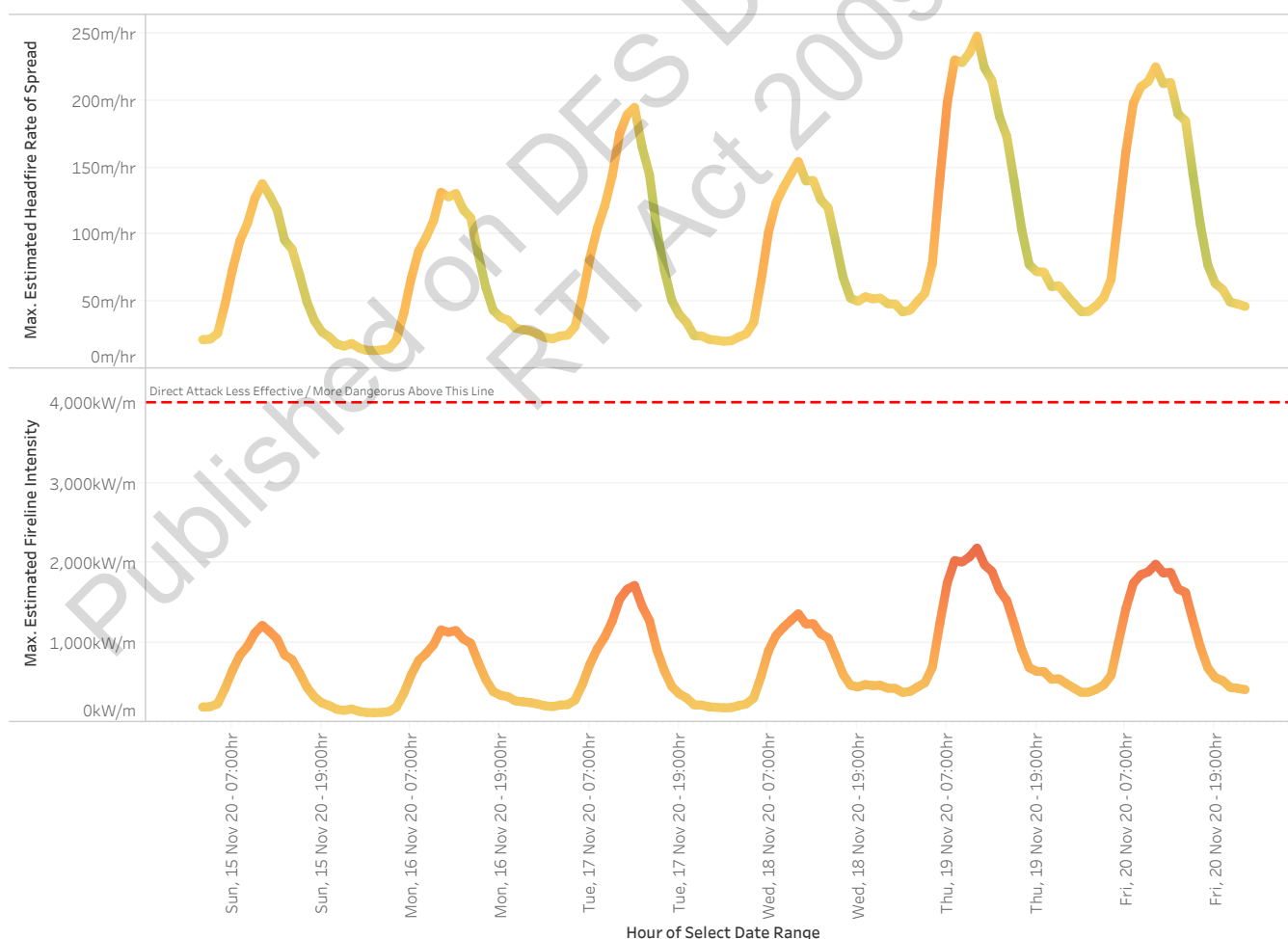
CONDITIONS TONIGHT: Between 1800hr & midnight fire is likely to continue burning for around 6hr (i.e. hours below Fuel Moisture of 20%)

With a forecast peak daily fireline intensity of 1213kW/m in Forest fuel, Direct Attack on the head fire / backburning are likely to be SAFE and EFFECTIVE strategies with max spotting distance during the day estimated to be up to 449m with an estimated peak daily forward rate of spread of 138m/hr. Fire behaviour is likely to be a low vigour, slowly spreading surface fire.

Estimated Rate of Spread (top) and Fireline Intensity (Bottom) Through Time

for Sun, 15 Nov 20 - 03:00hr to Fri, 20 Nov 20 - 23:00hr in Forest

Fuel Load currently in use for: Forest Load = 17t/ha



Disclaimer

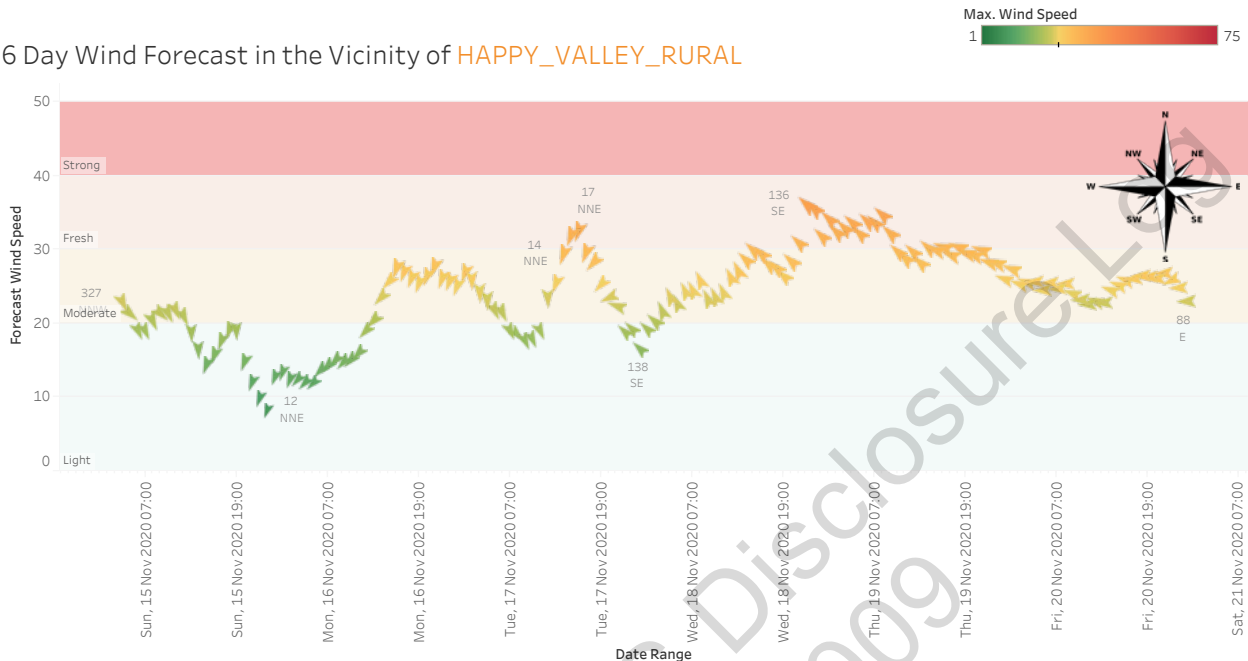
This Fire Behaviour Prediction Snap Report ('this Report') is provided solely for information purposes and is not to be construed, under any circumstances, by implication or otherwise, as anything other than as the opinions of the Queensland Fire and Emergency Services Predictive Services Unit in relation 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 for HAPPY_VALLEY_RURAL

	Sun, November 15, 2020	Mon, November 16, 2020	Tue, November 17, 2020	Wed, November 18, 2020	Thu, November 19, 2020	Fri, November 20, 2020
HAPPY_VALLEY_RURAL	6.8 Low-Moderate	6.5 Low-Moderate	9.6 Low-Moderate	7.6 Low-Moderate	12.2 High	11.0 Low-Moderate

6 Day Wind Forecast in the Vicinity of HAPPY_VALLEY_RURAL



3 Day Look Ahead - Daily Peak Wildfire Behaviour Guidance in the Vicinity of HAPPY_VALLEY_RURAL in NORTH COAST Region, MARYBOROUGH Rural Area assuming Forest Fuel

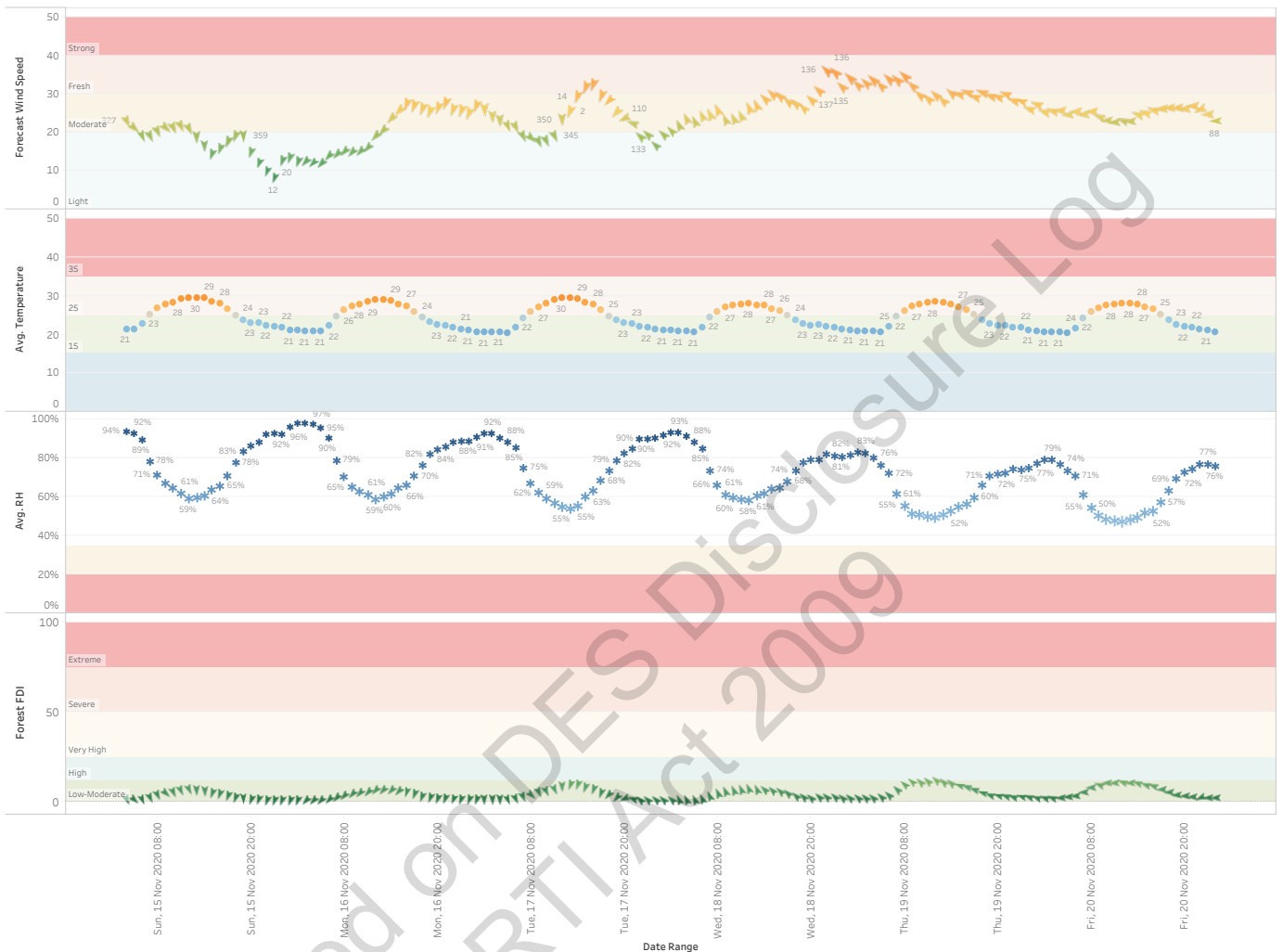
Monday, 16 November 2020	With a forecast peak daily fireline intensity of 1156kW/m in Forest fuel, Direct Attack on the head fire / backburning are likely to be SAFE and EFFECTIVE strategies with max spotting distance during the day estimated to be up to 428m with an estimated peak daily forward rate of spread of 132m/hr. Fire behaviour is likely to be a low vigour, slowly spreading surface fire.
Tuesday, 17 November 2020	With a forecast peak daily fireline intensity of 1713kW/m in Forest fuel, Direct Attack on the head fire / backburning are likely to be SAFE and EFFECTIVE strategies with max spotting distance during the day estimated to be up to 634m with an estimated peak daily forward rate of spread of 195m/hr. Fire behaviour is likely to be a low vigour, slowly spreading surface fire.
Wednesday, 18 November 2020	With a forecast peak daily fireline intensity of 1358kW/m in Forest fuel, Direct Attack on the head fire / backburning are likely to be SAFE and EFFECTIVE strategies with max spotting distance during the day estimated to be up to 502m with an estimated peak daily forward rate of spread of 155m/hr. Fire behaviour is likely to be a low vigour, slowly spreading surface fire.

END OF REPORT

6 Day Look Ahead - Estimated Peak Daily FFDI / Fire Danger Rating for HAPPY_VALLEY_RURAL

	Sun, November 15, 2020	Mon, November 16, 2020	Tue, November 17, 2020	Wed, November 18, 2020	Thu, November 19, 2020	Fri, November 20, 2020
HAPPY_VALLEY_RURAL	6.8 Low-Moderate Drought Factor 10 Curing 32%	6.5 Low-Moderate Drought Factor 10 Curing 32%	9.6 Low-Moderate Drought Factor 10 Curing 32%	7.6 Low-Moderate Drought Factor 10 Curing 32%	12.2 High Drought Factor 10 Curing 32%	11.0 Low-Moderate Drought Factor 10 Curing 32%

6 Day Weather Graphs Forecast in the Vicinity of HAPPY_VALLEY_RURAL





Detailed Weather Forecast in the Vicinity of **HAPPY_VALLEY_RURAL** in **NORTH COAST** Region, **MARYBOROUGH** Rural Area

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

Hour of Select Date Range	Forest Fire Danger Rating	Cardinal Wind Dir	Estimated Ignition / Carry Potential	Temperature (C)	Humidity (%)	Wind Direction (Degrees)	Wind Speed (km/hr)	FFDI	GFDI	Fine Fuel Moisture (%)
Sun, 15/11/20 03:00	Low-Moderate	NNW	Unlikley to ignite	21	94%	327	23	1	0.0	20
Sun, 15/11/20 04:00	Low-Moderate	NW	Unlikley to ignite	21	92%	325	21	1	0.0	20
Sun, 15/11/20 05:00	Low-Moderate	NNW	Difficult to ignite	23	89%	328	19	1	0.0	18
Sun, 15/11/20 06:00	Low-Moderate	NNW	Patchy Ignition	25	78%	328	19	2	0.0	13
Sun, 15/11/20 07:00	Low-Moderate	NNW	Moderately Readily	27	71%	327	20	4	0.0	11
Sun, 15/11/20 08:00	Low-Moderate	NW	Moderately Readily	28	67%	326	21	5	0.0	10
Sun, 15/11/20 09:00	Low-Moderate	NNW	Moderately Readily	28	64%	330	21	5	0.0	9
Sun, 15/11/20 10:00	Low-Moderate	NNW	Moderately Readily	29	61%	338	22	6	0.0	9
Sun, 15/11/20 11:00	Low-Moderate	NNW	Moderately Readily	30	59%	344	21	7	0.0	8
Sun, 15/11/20 12:00	Low-Moderate	N	Moderately Readily	30	60%	350	19	6	0.0	8
Sun, 15/11/20 13:00	Low-Moderate	N	Moderately Readily	29	60%	358	16	6	0.0	8
Sun, 15/11/20 14:00	Low-Moderate	NNE	Moderately Readily	29	64%	4	14	5	0.0	9
Sun, 15/11/20 15:00	Low-Moderate	NNE	Moderately Readily	28	65%	9	16	4	0.0	9
Sun, 15/11/20 16:00	Low-Moderate	NNE	Moderately Readily	27	71%	7	18	3	0.0	11
Sun, 15/11/20 17:00	Low-Moderate	NNE	Patchy Ignition	25	78%	1	19	2	0.0	13
Sun, 15/11/20 18:00	Low-Moderate	N	Difficult to ignite	24	83%	359	19	2	0.0	15
Sun, 15/11/20 19:00	Low-Moderate	NNE	Difficult to ignite	23	86%	0	15	1	0.0	16
Sun, 15/11/20 20:00	Low-Moderate	NNE	Difficult to ignite	23	88%	1	12	1	0.0	17
Sun, 15/11/20 21:00	Low-Moderate	NNE	Unlikley to ignite	22	92%	2	10	1	0.0	19
Sun, 15/11/20 22:00	Low-Moderate	NNE	Unlikley to ignite	22	92%	12	8	1	0.0	19
Sun, 15/11/20 23:00	Low-Moderate	NNE	Unlikley to ignite	22	92%	20	13	1	0.0	19
Mon, 16/11/20 00:00	Low-Moderate	NNE	Unlikley to ignite	21	96%	21	13	1	0.0	21
Mon, 16/11/20 01:00	Low-Moderate	NNE	Unlikley to ignite	21	98%	27	12	1	0.0	22
Mon, 16/11/20 02:00	Low-Moderate	NE	Unlikley to ignite	21	98%	37	12	1	0.0	22
Mon, 16/11/20 03:00	Low-Moderate	NE	Unlikley to ignite	21	97%	43	12	1	0.0	22
Mon, 16/11/20 04:00	Low-Moderate	NE	Unlikley to ignite	21	95%	51	12	1	0.0	21
Mon, 16/11/20 05:00	Low-Moderate	NE	Unlikley to ignite	22	90%	50	14	1	0.0	18
Mon, 16/11/20 06:00	Low-Moderate	NE	Patchy Ignition	25	79%	47	14	2	0.0	13
Mon, 16/11/20 07:00	Low-Moderate	NE	Moderately Readily	26	70%	46	15	3	0.0	11
Mon, 16/11/20 08:00	Low-Moderate	NE	Moderately Readily	27	65%	46	15	4	0.0	9
Mon, 16/11/20 09:00	Low-Moderate	NE	Moderately Readily	28	63%	48	15	5	0.0	9
Mon, 16/11/20 10:00	Low-Moderate	NE	Moderately Readily	29	61%	48	16	5	0.0	9
Mon, 16/11/20 11:00	Low-Moderate	NE	Moderately Readily	29	59%	43	19	6	0.0	8
Mon, 16/11/20 12:00	Low-Moderate	NE	Moderately Readily	29	60%	42	20	6	0.0	8
Mon, 16/11/20 13:00	Low-Moderate	NE	Moderately Readily	29	61%	39	24	6	0.0	9
Mon, 16/11/20 14:00	Low-Moderate	NE	Moderately Readily	28	64%	36	26	6	0.0	9
Mon, 16/11/20 15:00	Low-Moderate	NNE	Moderately Readily	27	66%	33	27	6	0.0	10
Mon, 16/11/20 16:00	Low-Moderate	NNE	Moderately Readily	26	70%	30	27	4	0.0	11
Mon, 16/11/20 17:00	Low-Moderate	NNE	Patchy Ignition	24	76%	27	26	3	0.0	13
Mon, 16/11/20 18:00	Low-Moderate	NNE	Difficult to ignite	23	82%	23	25	2	0.0	15
Mon, 16/11/20 19:00	Low-Moderate	NNE	Difficult to ignite	23	84%	21	26	2	0.0	16
Mon, 16/11/20 20:00	Low-Moderate	NNE	Difficult to ignite	22	86%	18	28	2	0.0	17
Mon, 16/11/20 21:00	Low-Moderate	NNE	Difficult to ignite	22	88%	14	26	1	0.0	18
Mon, 16/11/20 22:00	Low-Moderate	NNE	Difficult to ignite	21	88%	11	26	1	0.0	18
Mon, 16/11/20 23:00	Low-Moderate	NNE	Unlikley to ignite	21	88%	7	25	1	0.0	18



Forecast Weather Summary

Day Number
Multiple values

Detailed Weather Forecast (2) in the Vicinity of **HAPPY_VALLEY_RURAL** in **NORTH COAST** Region, **MARYBOROUGH** Rural Area

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

Hour of Select Date Range	Forest Fire Danger Rating	Cardinal Wind Dir	Estimated Ignition / Carry Potential	Temperature (C)	Humidity (%)	Wind Direction (Degrees)	Wind Speed (km/hr)	FFDI	GFDI	Fine Fuel Moisture (%)
Tue, 17/11/20 00:00	Low-Moderate	NNE	Unlikley to ignite	21	91%	4	27	1	0.0	19
Tue, 17/11/20 01:00	Low-Moderate	N	Unlikley to ignite	21	92%	359	26	1	0.0	20
Tue, 17/11/20 02:00	Low-Moderate	N	Unlikley to ignite	21	92%	354	24	1	0.0	20
Tue, 17/11/20 03:00	Low-Moderate	N	Unlikley to ignite	21	90%	353	23	1	0.0	19
Tue, 17/11/20 04:00	Low-Moderate	NNW	Unlikley to ignite	20	88%	345	22	1	0.0	19
Tue, 17/11/20 05:00	Low-Moderate	NNW	Difficult to ignite	22	85%	338	22	2	0.0	17
Tue, 17/11/20 06:00	Low-Moderate	NNW	Patchy Ignition	24	75%	328	19	3	0.0	12
Tue, 17/11/20 07:00	Low-Moderate	NW	Moderately Readily	26	67%	324	19	4	0.0	10
Tue, 17/11/20 08:00	Low-Moderate	NNW	Moderately Readily	27	62%	332	18	5	0.0	9
Tue, 17/11/20 09:00	Low-Moderate	NNW	Moderately Readily	28	59%	341	18	6	0.0	8
Tue, 17/11/20 10:00	Low-Moderate	NNW	Very Readily	29	57%	345	19	7	0.0	8
Tue, 17/11/20 11:00	Low-Moderate	N	Very Readily	30	55%	350	23	9	0.0	7
Tue, 17/11/20 12:00	Low-Moderate	NNE	Very Readily	30	54%	2	25	9	0.0	7
Tue, 17/11/20 13:00	Low-Moderate	NNE	Very Readily	29	55%	14	29	10	0.0	8
Tue, 17/11/20 14:00	Low-Moderate	NNE	Moderately Readily	28	60%	19	32	8	0.0	8
Tue, 17/11/20 15:00	Low-Moderate	NNE	Moderately Readily	28	63%	17	32	7	0.0	9
Tue, 17/11/20 16:00	Low-Moderate	NNE	Moderately Readily	26	68%	27	30	5	0.0	10
Tue, 17/11/20 17:00	Low-Moderate	NE	Moderately Readily	25	73%	35	28	4	0.0	12
Tue, 17/11/20 18:00	Low-Moderate	NE	Patchy Ignition	24	79%	55	25	2	0.0	14
Tue, 17/11/20 19:00	Low-Moderate	ENE	Difficult to ignite	23	82%	72	24	2	0.0	15
Tue, 17/11/20 20:00	Low-Moderate	ESE	Difficult to ignite	23	85%	110	22	2	0.0	16
Tue, 17/11/20 21:00	Low-Moderate	SE	Unlikley to ignite	22	90%	133	19	1	0.0	18
Tue, 17/11/20 22:00	Low-Moderate	SE	Unlikley to ignite	22	90%	138	19	1	0.0	18
Tue, 17/11/20 23:00	Low-Moderate	SE	Unlikley to ignite	21	90%	138	17	1	0.0	19
Wed, 18/11/20 00:00	Low-Moderate	SE	Unlikley to ignite	21	92%	141	19	1	0.0	20
Wed, 18/11/20 01:00	Low-Moderate	SE	Unlikley to ignite	21	93%	144	20	1	0.0	20
Wed, 18/11/20 02:00	Low-Moderate	SSE	Unlikley to ignite	21	93%	147	22	1	0.0	20
Wed, 18/11/20 03:00	Low-Moderate	SSE	Unlikley to ignite	21	91%	148	24	1	0.0	19
Wed, 18/11/20 04:00	Low-Moderate	SSE	Unlikley to ignite	21	88%	149	23	1	0.0	18
Wed, 18/11/20 05:00	Low-Moderate	SSE	Difficult to ignite	22	85%	149	24	2	0.0	16
Wed, 18/11/20 06:00	Low-Moderate	SSE	Patchy Ignition	24	74%	149	25	3	0.0	12
Wed, 18/11/20 07:00	Low-Moderate	SSE	Moderately Readily	26	66%	149	26	5	0.0	10
Wed, 18/11/20 08:00	Low-Moderate	SSE	Moderately Readily	27	61%	149	23	6	0.0	9
Wed, 18/11/20 09:00	Low-Moderate	SSE	Moderately Readily	28	60%	149	24	7	0.0	8
Wed, 18/11/20 10:00	Low-Moderate	SSE	Moderately Readily	28	59%	148	24	7	0.0	8
Wed, 18/11/20 11:00	Low-Moderate	SSE	Moderately Readily	28	58%	147	26	8	0.0	8
Wed, 18/11/20 12:00	Low-Moderate	SSE	Moderately Readily	28	61%	146	27	7	0.0	9
Wed, 18/11/20 13:00	Low-Moderate	SE	Moderately Readily	28	61%	146	29	7	0.0	9
Wed, 18/11/20 14:00	Low-Moderate	SE	Moderately Readily	27	64%	145	30	6	0.0	9
Wed, 18/11/20 15:00	Low-Moderate	SE	Moderately Readily	26	64%	144	30	6	0.0	10
Wed, 18/11/20 16:00	Low-Moderate	SE	Moderately Readily	25	68%	142	28	5	0.0	11
Wed, 18/11/20 17:00	Low-Moderate	SE	Patchy Ignition	24	74%	141	28	3	0.0	12
Wed, 18/11/20 18:00	Low-Moderate	SE	Patchy Ignition	23	78%	140	27	3	0.0	14
Wed, 18/11/20 19:00	Low-Moderate	SE	Difficult to ignite	22	79%	139	29	2	0.0	14
Wed, 18/11/20 20:00	Low-Moderate	SE	Difficult to ignite	23	79%	137	31	3	0.0	14
Wed, 18/11/20 21:00	Low-Moderate	SE	Difficult to ignite	22	82%	136	36	3	0.0	15
Wed, 18/11/20 22:00	Low-Moderate	SE	Difficult to ignite	22	81%	136	36	3	0.0	15
Wed, 18/11/20 23:00	Low-Moderate	SE	Difficult to ignite	21	81%	135	32	2	0.0	15



Forecast Weather Summary

Day Number
Multiple values

Detailed Weather Forecast (3) in the Vicinity of **HAPPY_VALLEY_RURAL** in **NORTH COAST** Region, **MARYBOROUGH** Rural Area

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

Hour of Select Date Range	Forest Fire Danger Rating	Cardinal Wind Dir	Estimated Ignition / Carry Potential	Temperature (C)	Humidity (%)	Wind Direction (Degrees)	Wind Speed (km/hr)	FFDI	GFDI	Fine Fuel Moisture (%)
Thu, 19/11/20 00:00	Low-Moderate	SE	Difficult to ignite	21	82%	135	34	2	0.0	16
Thu, 19/11/20 01:00	Low-Moderate	SE	Difficult to ignite	21	83%	135	32	2	0.0	16
Thu, 19/11/20 02:00	Low-Moderate	SE	Difficult to ignite	21	83%	133	33	2	0.0	16
Thu, 19/11/20 03:00	Low-Moderate	SE	Difficult to ignite	21	80%	131	34	2	0.0	15
Thu, 19/11/20 04:00	Low-Moderate	SE	Difficult to ignite	21	76%	132	32	3	0.0	14
Thu, 19/11/20 05:00	Low-Moderate	SE	Patchy Ignition	22	72%	130	34	4	0.0	12
Thu, 19/11/20 06:00	Low-Moderate	SE	Moderately Readily	25	61%	128	34	7	0.0	9
Thu, 19/11/20 07:00	Low-Moderate	SE	Very Readily	26	55%	125	35	10	0.0	8
Thu, 19/11/20 08:00	High	SE	Very Readily	27	51%	128	32	11	0.0	7
Thu, 19/11/20 09:00	High	SE	Very Readily	28	50%	126	30	11	0.0	7
Thu, 19/11/20 10:00	High	SE	Very Readily	28	50%	128	29	12	0.0	7
Thu, 19/11/20 11:00	High	SE	Very Readily	29	49%	128	30	12	0.0	7
Thu, 19/11/20 12:00	High	SE	Very Readily	28	50%	127	28	11	0.0	7
Thu, 19/11/20 13:00	Low-Moderate	SE	Very Readily	28	52%	125	30	11	0.0	7
Thu, 19/11/20 14:00	Low-Moderate	ESE	Very Readily	27	55%	123	30	9	0.0	8
Thu, 19/11/20 15:00	Low-Moderate	ESE	Moderately Readily	26	56%	121	30	8	0.0	8
Thu, 19/11/20 16:00	Low-Moderate	ESE	Moderately Readily	25	60%	119	29	7	0.0	9
Thu, 19/11/20 17:00	Low-Moderate	ESE	Moderately Readily	24	66%	118	30	5	0.0	10
Thu, 19/11/20 18:00	Low-Moderate	ESE	Moderately Readily	23	71%	116	30	4	0.0	12
Thu, 19/11/20 19:00	Low-Moderate	ESE	Patchy Ignition	22	72%	114	29	4	0.0	12
Thu, 19/11/20 20:00	Low-Moderate	ESE	Patchy Ignition	22	72%	112	30	4	0.0	12
Thu, 19/11/20 21:00	Low-Moderate	ESE	Patchy Ignition	22	74%	110	28	3	0.0	13
Thu, 19/11/20 22:00	Low-Moderate	ESE	Patchy Ignition	22	74%	112	28	3	0.0	13
Thu, 19/11/20 23:00	Low-Moderate	ESE	Patchy Ignition	21	75%	109	26	3	0.0	13
Fri, 20/11/20 00:00	Low-Moderate	ESE	Difficult to ignite	21	77%	107	27	2	0.0	14
Fri, 20/11/20 01:00	Low-Moderate	ESE	Difficult to ignite	21	79%	104	25	2	0.0	15
Fri, 20/11/20 02:00	Low-Moderate	ESE	Difficult to ignite	21	79%	102	26	2	0.0	15
Fri, 20/11/20 03:00	Low-Moderate	E	Difficult to ignite	21	77%	100	26	2	0.0	14
Fri, 20/11/20 04:00	Low-Moderate	E	Patchy Ignition	20	74%	99	25	3	0.0	13
Fri, 20/11/20 05:00	Low-Moderate	E	Patchy Ignition	22	71%	99	26	3	0.0	12
Fri, 20/11/20 06:00	Low-Moderate	E	Moderately Readily	24	61%	99	25	6	0.0	9
Fri, 20/11/20 07:00	Low-Moderate	E	Very Readily	26	55%	99	25	8	0.0	8
Fri, 20/11/20 08:00	Low-Moderate	ESE	Very Readily	27	50%	102	24	10	0.0	7
Fri, 20/11/20 09:00	Low-Moderate	E	Very Readily	28	48%	98	23	10	0.0	7
Fri, 20/11/20 10:00	Low-Moderate	E	Very Readily	28	48%	99	23	11	0.0	7
Fri, 20/11/20 11:00	High	ESE	Very Readily	28	47%	103	23	11	0.0	7
Fri, 20/11/20 12:00	Low-Moderate	E	Very Readily	28	48%	101	23	10	0.0	7
Fri, 20/11/20 13:00	Low-Moderate	ESE	Very Readily	28	49%	101	25	10	0.0	7
Fri, 20/11/20 14:00	Low-Moderate	ESE	Very Readily	27	52%	102	25	9	0.0	7
Fri, 20/11/20 15:00	Low-Moderate	ESE	Very Readily	27	52%	103	26	9	0.0	7
Fri, 20/11/20 16:00	Low-Moderate	E	Moderately Readily	25	57%	99	26	7	0.0	8
Fri, 20/11/20 17:00	Low-Moderate	E	Moderately Readily	24	63%	95	27	5	0.0	10
Fri, 20/11/20 18:00	Low-Moderate	E	Moderately Readily	23	69%	91	26	4	0.0	11
Fri, 20/11/20 19:00	Low-Moderate	E	Patchy Ignition	22	72%	92	26	3	0.0	12
Fri, 20/11/20 20:00	Low-Moderate	E	Patchy Ignition	22	74%	83	27	3	0.0	13
Fri, 20/11/20 21:00	Low-Moderate	ENE	Patchy Ignition	21	77%	79	26	2	0.0	14
Fri, 20/11/20 22:00	Low-Moderate	E	Difficult to ignite	21	77%	79	25	2	0.0	14
Fri, 20/11/20 23:00	Low-Moderate	E	Patchy Ignition	21	76%	88	23	2	0.0	14



Examples of Various Fireline Intensities (Note these are estimates)



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 to 3 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

Date : 15/11/2020 12:02:25 PM

From : "DARGUSCH Marc"

To : "Andrew Marnie"

Cc : "Peter Hollier" , "rfsq northcoast" , "LAVENDER Sven" , "EDMED Greg"

Subject : RE: Use of Retardant.

Attachment :

image002.png;image003.png;image004.jpg;image006.jpg;image007.png;image010.jpg;image014.png;image017.jpg;image018.png;image019.png;image020.jpg;image021.png;image022.png;

Thanks Andrew – I'll start digging although, QFES has already been given the okay to utilise gel by our RD if it is related to the protection of life and property on K'gari.

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

Sent: Sunday, 15 November 2020 11:58 AM

To: DARGUSCH Marc; EDMED Greg

Cc: Peter Hollier; rfsq northcoast; LAVENDER Sven

Subject: FW: Use of Retardant.

Good morning Marc and Greg,

To assist with clarifying the QPWS permission to use Gel for aerial suppression of the K'Gari Fire I have been forwarded the attached emails.

The original email is from Nigel Holmes, the DES Principal Senior Adviser Incident Management Central QLD, and confirmed he had reached sign off on the DES Procedural Guide for the use of Bushfire Fighting Agent including Gel. It has been forwarded to us by the QFES State Air Operations Coordinator.

To ensure the K'Gari ICC (QPWS and QFES) is able to request the use of gel as an option would you be able to follow through with this and confirm that we are able to use gel iaw with the DES Guide attached.

There may be a window of opportunity later this afternoon. I am currently working with Peter Hollier to develop a suggested strategy should that opportunity be confirmed. The ability to use gel is pivotal.

Your support in this matter is appreciated

Regards

Andrew

Andrew Marnie
Bushfire Safety Office
North Coast Region
Queensland Rural Fire Service

Mobile **Personal**



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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).

From: CONNOR Nathan <Nathan.Connor@des.qld.gov.au>

Sent: Friday, 15 May 2020 08:22

To: Brett McIlwaine <Brett.McIlwaine@qfes.qld.gov.au>; Martin Gibson <Martin.Gibson@qfes.qld.gov.au>

Cc: MCLAUGHLIN Marty <Marty.McLaughlin@des.qld.gov.au>

Subject: RE: Use of Retardant.

Hi Marty and Brett,

Again, thank you for your proactive approach to have this question considered before we all get too busy and it becomes difficult. As mentioned on the phone, our DES colleagues have provided a comprehensive procedural guide to assist us with making decisions regarding the use of retardant and other suppressants on our protected area estate. I have attached the **DRAFT** procedural guide for your reference – I will confirm in writing when this document has received sign off.

Summary points relating to specific queries below in red text.

If you have any questions please do not hesitate to call.

Nathan

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

M **Personal**

From: Brett McIlwaine <Brett.McIlwaine@qfes.qld.gov.au>

Sent: Monday, 6 April 2020 11:10 AM

To: CONNOR Nathan

Subject: RE: Use of Retardant.

Hi Nathan,

Many thanks for the chat. I am trying to get ahead of the game for the upcoming fire season, and as you have undoubtedly heard we will have a Large Air Tanker at our disposal from this point forward for a number of years. Having said that, I am writing to seek approval from QPWS for the use of retardant on your land, with whatever stipulations you need to put in place from this point forward. QFES is looking at introducing retardant into the fold this season. I know that in the past we have sort approval for Blazetamer, and that it is approved for use. I don't believe we would use a lot of retardant around on QPWS land, however if we get approval in advance it will cut down the response time of aircraft, when the use is required. It will most likely be used very strategically due to the cost, and I believe would mainly be used to box in a fire in its incipient stage, especially if it were in inaccessible terrain. The two types of retardant are the ones I discussed, please see below;

- Phos-Check MVP-FX (mixed from a powder)
- Phos-Check LC95 (liquid concentrate)

Where there are particular values present in an area the pros-and-cons of retardant use, mitigation measures or avoidance areas will need to be considered on an individual basis in the context of the particular threats posed by the fire and/or retardant use including:

- Sensitive, rare or threatened flora, fauna, or habitats are present.
- Proximity of sensitive waterways (e.g., dry-season refuge pools for aquatic species).
- Cultural resources, historic properties or sacred sites.
- Very large volumes of retardant is spilled or applied in one location that could impact the adjacent values.

It is assumed that fire retardant would only be used when the fire front is about to overtake an area with the result of full involvement and possible severe damage to or loss of infrastructure, environmental or other values. **On that basis, a net impact-versus-benefit analysis would be heavily in favour of retardant use given the fire protection benefits versus the much lower risk of related adverse and probably temporary effects.**

In some circumstances there may be a low risk of temporary acute effects on sensitive flora or fauna from retardant use such as:

- Photosynthesis inhibition from colouring agents on leaves, especially non-degradable iron oxide pigments that may permanently stain leaf surfaces.
- Leaf scalding on sensitive species from the retardant components, degradation products or use of non-potable water such as seawater (e.g., ferns and orchids).
- Tainting of resources such as food items consumed by wildlife.

Given the likely conditions during a fire would be extended hot, dry weather, retardant is unlikely to be taken up significantly by the foliage of plants, as the stomata on their leaves are likely to be closed to prevent water loss. Similarly, the long molecular chains of the polyphosphates are likely to be too big to be adsorbed through the leaf surfaces.

Key recommendation;

As a precaution against long-term staining of long-lived or sensitive leafage that may inhibit photosynthesis, (e.g., cycads and Xanthorrea), and to prevent aesthetic visual staining of vegetation or infrastructure, especially on Parks estate, it should be specified that:

- Retardants containing iron oxide colourants are not to be used as they may cause long-term staining.
- Only retardants with fugitive (biodegradable) colourants are to be used.

For example, a retardant that that is described as containing a fugitive colourant, that will slowly fade during exposure to sunlight would be suitable and not result in significant effects.

And just for good measure as I know this come up;

- The use of saline water from brackish or seawater sources for firefighting are unlikely to have significant adverse effects, as application will be spread over a wide area as only a minor contribution to natural soil salts levels.

Further advice on BlazeTamer is included within the guide.

As mentioned we are currently seeking approval from SEQWater as well. I have spoken with NSWRFs and they currently have approvals from department of Environment, WaterNSW and SA Water.

If you could look at approving these products in advance, it would be much appreciated.

Kind regards

Brett

Brett McIlwaine
Air Operations Officer



State Air Operations Unit
Fire and Rescue Service Directorate
Queensland Fire and Emergency Services

Phone: (07) 3635 2491
Mobile: **Personal**
Email: brett.mcilwaine@qfes.qld.gov.au

****Note: for aircraft tasking, please contact State Air Desk on (07) 3635 1400 or qfes.stateairdesk@qfes.qld.gov.au**

From: CONNOR Nathan <Nathan.Connor@des.qld.gov.au>

Sent: Monday, 6 April 2020 10:43

To: carly.frost <carly.frost@des.qld.gov.au>; Brett McIlwaine <Brett.Mcilwaine@qfes.qld.gov.au>; KILLEN Tim <tim.killen@des.qld.gov.au>

Cc: Fire Advice <Fire.Advice@des.qld.gov.au>; EDMED Greg <Greg.edmed@des.qld.gov.au>

Subject: RE: Joint Training opportunity between QFES and QPWS.

Hi Carly and Brett,

Yes and apologies for the tardy reply. Brett my number is **Personal** if you want a chat.

Regards,

Nathan

From: FROST Carly <Carly.Frost@des.qld.gov.au>

Sent: Monday, 6 April 2020 10:37 AM

To: Brett McIlwaine; CONNOR Nathan; KILLEN Tim

Cc: Fire Advice; EDMED Greg

Subject: RE: Joint Training opportunity between QFES and QPWS.

Hi Brett,

I apologise that no one has responded, this is definitely something we need to sort before next wildfire season

I will forward your email on again. Nathan are you the appropriate contact for this?

Please let me know if this isn't followed up

Thanks

Carly



Carly Frost
Ranger- Fire, Pest and Firearms Management
Technical Support – Coastal and Islands Region
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3164 3613 | M **Personal** E Carly.Frost@des.qld.gov.au
60 Mt Nebo Rd | The Gap

I acknowledge that Aboriginal Peoples and Torres Strait Islander Peoples are the Traditional Owners of this country and they retain their relationship and connection to the land, sea and community.
I pay my respects to all Traditional Owners, and to the Elders past, present and the future for land and sea on which I work, live and walk.



From: Brett McIlwaine <Brett.McIlwaine@qfes.qld.gov.au>
Sent: Monday, 6 April 2020 10:29 AM
To: FROST Carly
Subject: FW: Joint Training opportunity between QFES and QPWS.

Hi Carly,
Hope you had a great weekend.....just a quick email to follow up on the below as I have not heard anything yet. Would you be able to chase it up for me or get me the contact details of someone that I could call.

Many thanks

Brett

Brett McIlwaine
Air Operations Officer



State Air Operations Unit
Fire and Rescue Service Directorate
Queensland Fire and Emergency Services

Phone: (07) 3635 2491
Mobile: **Personal**
Email: brett.mcilwaine@qfes.qld.gov.au

****Note: for aircraft tasking, please contact State Air Desk on (07) 3635 1400 or qfes.stateairdesk@qfes.qld.gov.au**

From: Brett McIlwaine
Sent: Thursday, 19 March 2020 15:37
To: FROST Carly <Carly.Frost@des.qld.gov.au>
Subject: RE: Joint Training opportunity between QFES and QPWS.

Hi Carly,
I am hoping that you may be able to assist me, I am after a contact with QPWS that I can talk to about the use of retardant / GEL, on QPWS land. I am trying to seek permission prior to the next fire season so that it cuts delay in response of aircraft and the products there can drop.

Thanks in advance...

Brett

Brett McIlwaine
Air Operations Officer



State Air Operations Unit
Fire and Rescue Service Directorate
Queensland Fire and Emergency Services

Phone: (07) 3635 2491
Mobile: **Personal**
Email: brett.mcilwaine@qfes.qld.gov.au

****Note: for aircraft tasking, please contact State Air Desk on (07) 3635 1400 or qfes.stateairdesk@qfes.qld.gov.au**

From: FROST Carly <Carly.Frost@des.qld.gov.au>
Sent: Thursday, 23 January 2020 08:55
To: Wesley Bruce <Wesley.Bruce@qfes.qld.gov.au>; Clinton Neumann <Clinton.Neumann@qfes.qld.gov.au>
Cc: Brett McIlwaine <Brett.McIlwaine@qfes.qld.gov.au>; Martin Gibson <Martin.Gibson@qfes.qld.gov.au>
Subject: RE: Joint Training opportunity between QFES and QPWS.

Hi Wesley and Brett,

Thanks for getting back to me, that is fantastic news.

We have two events running, one at Bribie Island 5th - 6th of May and Rainbow Beach 12th -13th May.

I am meeting with Clinton Neumann next week to progress planning, so we should have further details for you soon.

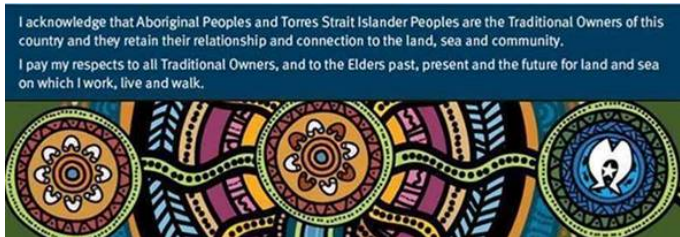
I will be in touch,

Thanks

Carly



Carly Frost
Ranger- Fire, Pest and Firearms Management
Technical Support – Coastal and Islands Region
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3164 3613 | M **Personal** E Carly.Frost@des.qld.gov.au
60 Mt Nebo Rd | The Gap



From: Wesley Bruce <Wesley.Bruce@qfes.qld.gov.au>
Sent: Thursday, 23 January 2020 6:47 AM
To: Clinton Neumann; FROST Carly
Cc: Brett McIlwaine; Martin Gibson
Subject: RE: Joint Training opportunity between QFES and QPWS.

Hi Carly,

The Air Operations unit would be more than happy to attend the training refresher. Please forward any further information as it comes to hand re: Date, Times and Content to be delivered.

We look forward to working with you.

Brett McIlwaine will be the best contact for this, I have CC'd him into the email.

Many thanks

Wez

Wesley Bruce
Acting Inspector
Manager Air Operations



State Air Operations Unit
Fire and Rescue Service Directorate
Queensland Fire and Emergency Services

Mobile: **Personal**
Email: wesley.bruce@qfes.qld.gov.au

****Note: for aircraft tasking, please contact State Air Desk on (07) 3635 1400 or qfes.stateairdesk@qfes.qld.gov.au**

From: Clinton Neumann
Sent: Tuesday, 21 January 2020 3:06 PM
To: Wesley Bruce <Wesley.Bruce@qfes.qld.gov.au>
Subject: Fwd: Joint Training opportunity between QFES and QPWS.

Clinton Neumann

From: FROST Carly <Carly.Frost@des.qld.gov.au>
Sent: Tuesday, January 21, 2020 1:10:27 PM
To: Martin Gibson <Martin.Gibson@qfes.qld.gov.au>; Brett McIlwaine <Brett.McIlwaine@qfes.qld.gov.au>
Cc: Clinton Neumann <Clinton.Neumann@qfes.qld.gov.au>; KINGSTON Barbara <Barbara.Kingston@des.qld.gov.au>; BLAKE Gemma <Gemma.Blake@des.qld.gov.au>
Subject: RE: Joint Training opportunity between QFES and QPWS.

Hi Martin and Brett,

Just following up from Gemma's last email.

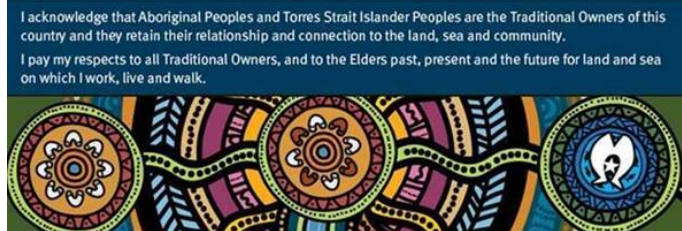
As Gemma has recently been seconded outside the region, I am assisting with coordinating our Fire Refresher events. Could you please let me know if you are interested and your team has capacity to participate in early May?

Thanks

Carly



Carly Frost
Ranger- Fire, Pest and Firearms Management
Technical Support – Coastal and Islands Region
Queensland Parks and Wildlife Service and Partnerships
Department of Environment and Science
P 07 3164 3613 | M **Personal** | E Carly.Frost@des.qld.gov.au
60 Mt Nebo Rd | The Gap



From: BLAKE Gemma <Gemma.Blake@des.qld.gov.au>
Sent: Tuesday, 21 January 2020 4:04 PM

To: Martin Gibson; Brett McIlwaine
Cc: FROST Carly; Clinton Neumann; KINGSTON Barbara
Subject: Joint Training opportunity between QFES and QPWS.

Hi Martin and Brett,

It was good to see you both in the SOC the other week and I hope you both managed to have some kind of rest over Christmas. As discussed the QPWS, Coastal and Island Region is currently organising a fire training refresher program for early May 2020 and we are seeking your interest and availability to participate (hopefully we have all somewhat recovered from this year's fire season by then).

We have planned two events in May (at Rainbow Beach and Bribie Island) with the purpose of:

1. covering and practicing key skills and safety issues relevant to the fire ground
2. provide firefighters/ staff with the opportunity to ask questions and generate discussion
3. enhance the knowledge and understanding of fire ground operations making safer and more professional firefighters.
4. Provide an opportunity for staff to network and co-ordinately with both other management units from across the region and with external agencies such as QFES, QYAC and BAC
5. provide mentoring opportunities from highly experienced fire personal from across and outside of the region.

To date we have liaised with Clinton Newman as we ultimately hope to coordinate a multiagency exercise as part of the program. This exercise is to be run as a level two incident with full interagency IMT running event out of QFES tango or sierra units (suggested by Clinton). Multi agency strike teams to be assembled and deployed to various exercises.

Proposed Exercises include:

1. Communications with State Air ops- How to communicate/ feedback to pilot etc. (It has been suggested that it may be possible to coordinate your air observer or bombardier training with these events to mutually benefit both departments in simulating communication exercises between QPWS ground crews and QFES aircraft).
2. Fire ecology based walk through- why and how to burn coastal heath for optimum outcomes walk through of local country.
3. Burn over scenario
4. Property protection scenario
5. Fire stick/ traditional burning techniques and other ignition strategies.

This event has full support from our regional leadership team and has been approved for funding through our Enhanced Fire Management Initiative. I am working with Carly Frost to coordinate the event (due to recently being seconded outside of the region) and hope to continue liaison with Clinton over the coming weeks. Please let us know if you are interested in participating in this initiative and if your team has the capacity to be involved to some extent in early May.

Regards,



Gemma Blake
A/Senior Conservation Officer – Pest Management
Technical Services | Park Services | QPWS & Partnerships
Department of Environment and Science
P 07 3199 7649 E gemma.blake@des.qld.gov.au
Level 5, 400 George Street BRISBANE QLD 4000

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Date : 16/11/2020 12:03:38 PM
From : "DARGUSCH Marc"
To : "Andrew Marnie"
Cc : "BEHRENDORFF Linda"
Subject : RE: Unsuppressed fire spread prediction for Fraser Island Fire from 09:00hrs through until 22:00hrs on Monday 16/11/20
Attachment : image001.jpg;image002.jpg;
Thanks Andrew – did we also get a pdf copy of the standard map that indicates active fire/direction and burnt areas ?

It would be really handy when I brief BAC at 1230.

Ta, Marc

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Monday, 16 November 2020 11:26 AM
To: DARGUSCH Marc; Janet Richardson
Cc: rfsq northcoast
Subject: FW: Unsuppressed fire spread prediction for Fraser Island Fire from 09:00hrs through until 22:00hrs on Monday 16/11/20

Hi

Prediction for SW sector to 2200 tonight

Cheers

Andrew

Andrew Marnie
Bushfire Safety Office
North Coast Region
Queensland Rural Fire Service

Mobile **Personal**



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From: Peter Hollier <Peter.Hollier@qfes.qld.gov.au>
Sent: Monday, 16 November 2020 11:13 AM
To: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>; Michael Koch <Michael.Koch@qfes.qld.gov.au>; Shannon Smith <Shannon.Smith@qfes.qld.gov.au>
Cc: ROC North Coast <ROC.NorthCoast@qfes.qld.gov.au>; rfsq northcoast <rfsq.northcoast@qfes.qld.gov.au>
Subject: FW: Unsuppressed fire spread prediction for Fraser Island Fire from 09:00hrs through until 22:00hrs on Monday 16/11/20

Team,

Updated unsuppressed Fire Spread.

Peter

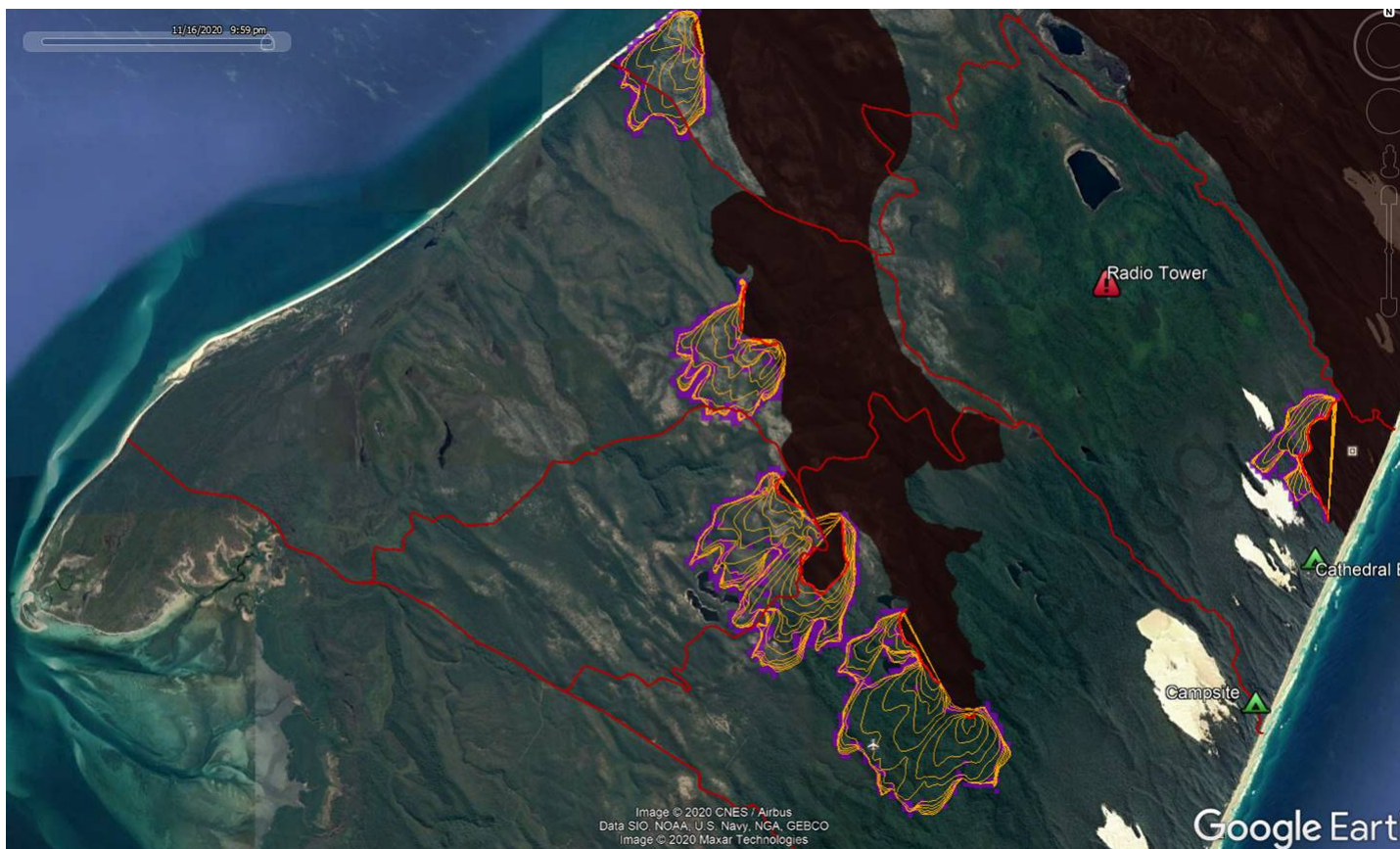
From: SOC Plan Model Predict Unit <SOC.PlanModelPredictUnit@qfes.qld.gov.au>
Sent: Monday, 16 November 2020 11:12 AM
To: PSU Reports NCR <PSUReportsNCR@qfes.qld.gov.au>
Subject: Unsuppressed fire spread prediction for Fraser Island Fire from 09:00hrs through until 22:00hrs on Monday 16/11/20

Good morning NCR,

Please find below and attached the unsuppressed fire spread prediction southern section of the Fraser Island Fire.
The prediction shows the unsuppressed fire spread from 09:00hrs through until 22:00hrs on Monday 16/11/20.
Fire spread is shown in hourly isochrones as orange lines and potential self extinguishment as purple pixels.

Assumptions used to develop this prediction:

- Active fire edge as determined by Air Obs at 09:10hrs has been used.
- Incident Weather Forecast issued by the BOM at 09:04am.
- No active fire suppression is being undertaken.
- No additional backburning has been undertaken.



To view this prediction in Google Earth Pro:

- Please note you may need to install Google Earth Pro from Software Centre. To do this type Software Centre into the search bar on the bottom left hand side of your screen. Then search for Google Earth Pro.
- Once installed simply double click on the attached KMZ File.

If you require any further information or assistance please don't hesitate to contact the On-Call FBAN on 3635 1808

Regards

Francis Hines

Fire Behaviour Analyst

State Operations Centre

Queensland Fire and Emergency Services | State Operational Coordination Branch
Level 2 Disaster Management Centre | 125 Kedron Park Rd | Kedron Q4031

To contact the On-Call FBAN please call 3635 1808.

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Date : 16/11/2020 2:01:11 PM
From : "DARGUSCH Marc"
To : "Andrew Marnie"
Cc : "Peter Hollier" , "rfsq northcoast" , "BEHRENDORFF Linda"
Subject : RE: 16 Nov SW Sector Air Ops Bombing
Attachment : image002.png;image004.jpg;image001.png;

Hi Andrew – I just got off a Teams Meet with Linda/yourself where I requested the Options Analysis that we talked about for today's effort (the desire that was flagged at our IMT Teams Meet at 10.30am this morning). I acknowledge that there has been a lot on everyone's plate. That aside, it's docs like these (which need to include prices/multi-options and clarity about why one option stands out) that allow me to gain needed approvals for us to make the moves we need to make.

Anyways – I asked the question anyway and I've had a no from my side on the bombing effort for today.

I have secured a TeamsMeet with my RD/ED/ADG for later this arvo to discuss tactics into the future with a view to getting pre-sanctioned approval for a way forward.

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: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Monday, 16 November 2020 1:43 PM
To: DARGUSCH Marc
Cc: Peter Hollier; rfsq northcoast
Subject: 16 Nov SW Sector Air Ops Bombing

Good afternoon Marc

Please find attached the Aircraft tasking request for water bombing this afternoon in the SW sector as we have been discussing.

Would you be able to confirm that QPWS will be responsible for the associated costs?

Regards

Andrew

Andrew Marnie
Bushfire Safety Office
North Coast Region
Queensland Rural Fire Service

Mobile **Personal**



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Published on DES Disclosure Log
RTI Act 2009

IF 00.21.00



AIRCRAFT TASKING

(All coloured sections are MANDATORY)

INCIDENT NAME: Fraser Island

Firecall No: QF4-20-116117

LOCATION:

OPERATIONS

Requested by: Andrew Marnie

Time: 1600 hrs

Phone Contact: Personal info

Position: RFS LO Fraser Island ICC

Date: 16/11/2020

STANDBY REQUEST

TASKING REQUEST

STANDBY REQUIRED

- ☐ Yes
☐ No

OBSERVATION

- ☒ Reconnaissance
☐ Detection
☐ Aerial Damage Assessment

TRANSPORT

- ☐ Personnel
☐ Equipment

AIR ATTACK

- ☐ Bombing
☐ Supervision
☐ Incendiaries

RESCUE

- ☐ Medivac
☐ Winching
☐ Swiftwater

RPAS

- ☐ Observation / Intel
☐ Search and Rescue
☐ Mapping
☐ Payload

Date/s Required:
17/11/2020

Time: 0800 hrs

Task duration (If known): Last Light

Incident Location:

Latitude S - Refer Comments

Longitude E -

Aircraft to report to (location of airbase or helibase):

ICP or ICC Name:
North Coast ROCPhone Contact/s:
Andrew Marnie
Personal info

QFES/Agency Channel

GWN:

UHF:

VHF: QPWS 413

Comments: (please specify in detail intended use of aircraft, how you will support (e.g. Aircraft crew AAS AOB), number of aircraft, threatened assets and time of impact and any further information to support the use of the aircraft)

Lat 25° 10' 9.174037" S

Lon 153° 12' 47.331519" E

Mapping required to confirm fire movement towards Happy Valley and Cathedral Beach as well as Rate of Spread. This will allow PSU to update Fire Spread Predictions which in turn will inform ICC (QPWS, RFS, QPS) of likely time of impact on both communities.

REGIONAL APPROVAL BY

☐ Regional A/C☐ DRO☐ RM RFS☐ Other _____

Name Peter Hollier

Time

Date

Signature

SECTION BELOW TO BE COMPLETED BY STATE AIR DESK

RECEIVED BY: Brett Mcllwaine

TIME: 1800 hrs

DATE: 16/11/2020

TASKING APPROVED BY CSO A/C Stephen Smith

Name: Stephen Smith

☐ Commissioner☐ D/C☒ CSO A/C☐ OTHER _____

Task: Approved

Received by: Phone

Time 1826

Date 16/11/2020

State Air Desk Comments: (reasons, other Aircraft in Area, hazards, other Instructions to Pilot)

Aircraft approved for recon flight

APPROVED AIRCRAFT				
Call sign	Rego	Company	Intended use of aircraft	Dispatch No. (Arena)
FB450	YUR	McDermott	Bombing / AOB / AAS	QFES-018-081
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
Additional Comments:				
RETURNED BY: BRETT MCILWAINE			DATE: 17/11/2020	TIME: 0730

State Air Desk Checklist	
IF21	Initial
Received State Air Desk	BM
Approved / Declined	BM
ABM / Operator advised	BM
Emailed back to region/operators/Airops admin	BM
ARENA	Initial
Request entered	BM
Dispatch completed	BM
Record Dispatch # on IF21	BM
Aircraft Engagement	Initial
Engagement spreadsheet updated	BM
Name: Brett McIlwaine	
Signature: BM	
Please file IF21 once completed	

Date : 16/11/2020 12:24:24 PM
From : "DARGUSCH Marc"
To : "Andrew Marnie"
Cc : "rfsq northcoast" , "BEHRENDORFF Linda"
Subject : RE: Nov 16 am mapping.pdf
[Even nicer.](#)

Ta, M

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Monday, 16 November 2020 12:19 PM
To: DARGUSCH Marc
Cc: rfsq northcoast; BEHRENDORFF Linda
Subject: Nov 16 am mapping.pdf

Hi Marc

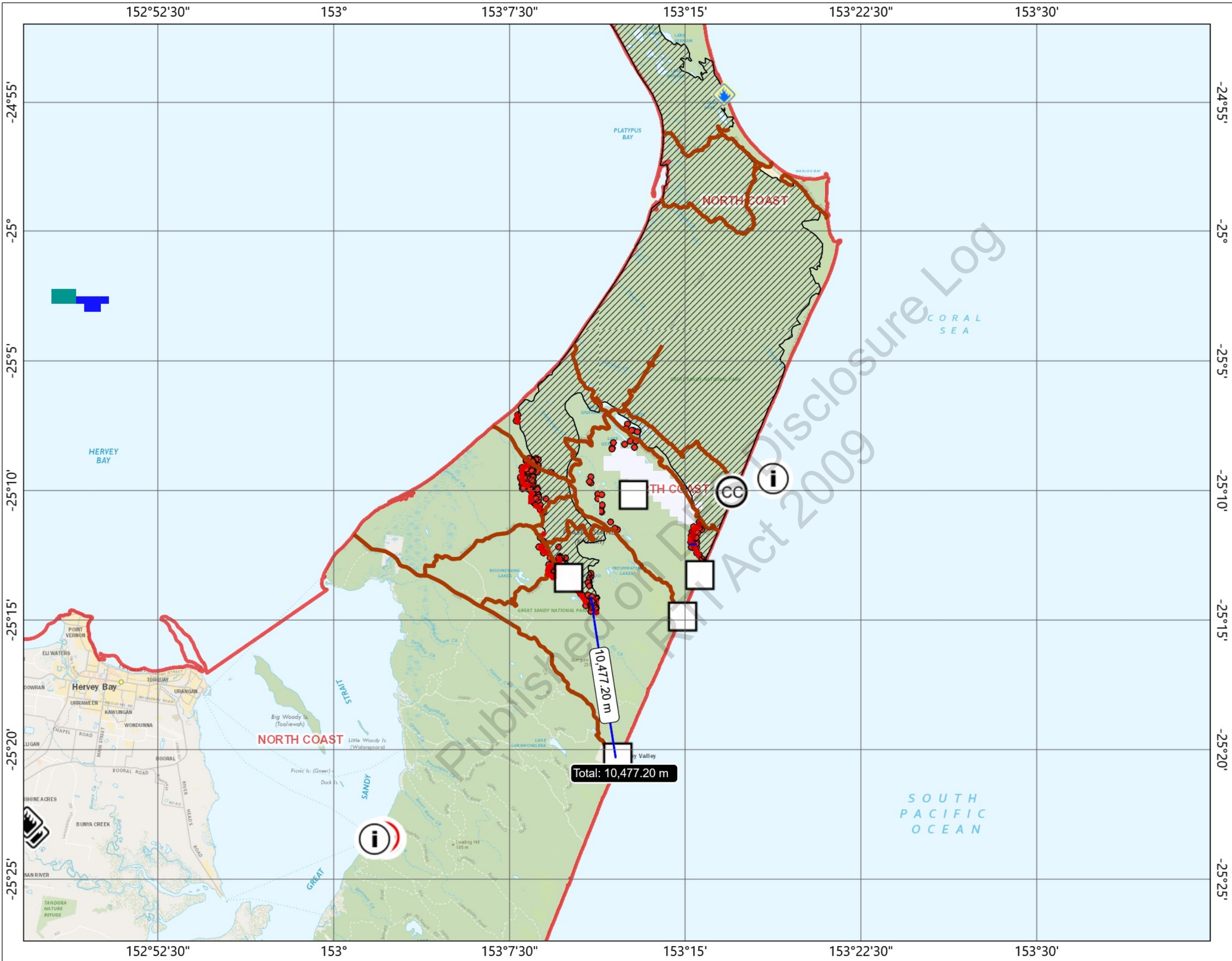
The actual map I have created from our TOM mapping system

Regards

Andrew

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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 Points
- Control Centre
 - Divisional Boundary
 - Evacuation Area
 - Fire
 - Fire - Point of Origin
 - Fire Appliance
 - Fire Hot Spot
 - General Asset
 - Note
 - POI
 - Refuge Area
 - Road Closed
 - Sector Boundary
 - Spot Fire
 - Threatened Asset
 - Water Point
- 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
 - LAT Line - Completed
 - LAT Line - Planned

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File I Release



When printed at A3 - 1: 288,895
0 7.34 14.68
Kilometres
WGS_1984_Web_Mercator_Auxiliary_Sphere

This map was automatically generated using Geocortex Essentials.



Date : 16/11/2020 8:58:47 AM

From : "DARGUSCH Marc"

To : "Andrew Marnie" , "BEHRENDORFF Linda"

Cc : "TAPPLY Jenna" , "CIR Fire Team" , "MACDONALD Stirling" , "HARVEY Peter" , "YETMAN Brendon" , "SEELEITHER Jamie"

Subject : RE: Waterbomb option

Attachment : image003.png;image004.png;image005.jpg;

Great, sounds good. Can you especially attempt to get some aerial intel on any active fire that is within the taller forests (i.e. near Coomboo Lake + fire west of Lake Allom) with respect to attempting to work out of gel doable/effective ?

Thanks, M

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

Sent: Monday, 16 November 2020 8:55 AM

To: DARGUSCH Marc; BEHRENDORFF Linda

Cc: TAPPLY Jenna; CIR Fire Team; MACDONALD Stirling; HARVEY Peter; YETMAN Brendon; SEELEITHER Jamie

Subject: Re: Waterbomb option

Hi Marc

Chopper is overhead SE SW fires.

What do you think about having link up once we have digested mapping and had our yarn with the air crew?

That way we would be working with current info

Cheers

Andrew

Andrew Marnie

Bushfire Safety Officer

North Coast Region, Rural Fire Service

Queensland Fire and Emergency Services

Mobile Personal inform

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

Sent: Monday, November 16, 2020 8:48:12 AM

To: BEHRENDORFF Linda <linda.behrendorff@des.qld.gov.au>

Cc: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>; TAPPLY Jenna <jenna.tapply@des.qld.gov.au>; CIR Fire Team <CIR.fireteam@des.qld.gov.au>; MACDONALD Stirling <Stirling.MacDonald@des.qld.gov.au>; HARVEY Peter <Peter.Harvey@des.qld.gov.au>; YETMAN Brendon <brendon.yetman@des.qld.gov.au>; SEELEITHER Jamie <Jamie.Seeleither@des.qld.gov.au>

Subject: FW: Waterbomb option

Hi Linda – keen to do an initial hook-up to test thinking based on current state of fire/conditions. Especially need to get tight plan if there is a desire to do the 'gel option' as per yesterday. I'm interested in the effectiveness of aerial gel drops in tall timber country.

Anyways – if gel is the go, we need to package well and I will facilitate talk with exec to lock down AM.

When to talk – keen to have Andrew (QFES) at table.

Regards, Marc

From: DARGUSCH Marc

Sent: Sunday, 15 November 2020 5:21 PM

To: Andrew Marnie; BEHRENDORFF Linda

Cc: CIR Fire Team; HARVEY Peter; YETMAN Brendon; CUBIS Mick; SEELEITHER Jamie; MACDONALD Stirling

Subject: RE: Waterbomb option

Hi Andrew and Linda – I'm getting the impression this isn't going to fly this arvo as I've seen nothing come over the top from QFES. If you believe we have the conditions tomorrow to make it work, can you work together with IMT to lock down relevant forms/mapping including a Situational Analysis Strategy (with options) for the gel bombing effort ? We need to be able to clearly articulate the benefits of engaging this option. We also need to be clear about who is paying for what.

Our ED has offered to facilitate a briefing of QPWS executive by the IMT/QFES on this subject. Looking at around lunchtime I suggest we get it together ^{20:20} rather than later.

If you believe conditions will be conducive to rolling out today's plan tomorrow, please make contact with me ASAP so that I can engage via our RD to pull this together.

Many thanks, 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

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.

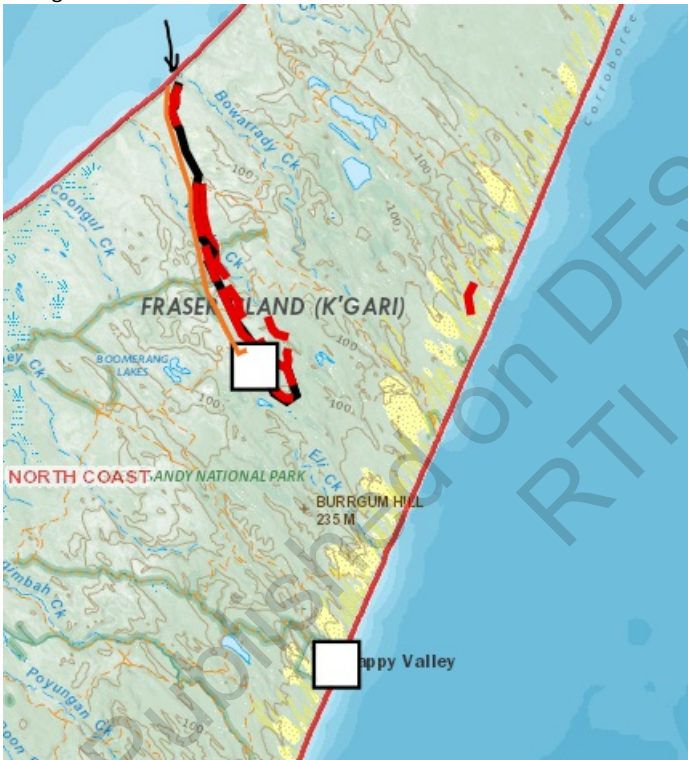
From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>

Sent: Sunday, 15 November 2020 3:36 PM

To: DARGUSCH Marc

Subject: RE: Waterbomb option

Orange line under black arrow



Andrew Marnie

Bushfire Safety Office

North Coast Region

Queensland Rural Fire Service

Mobile **Personal info**



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From: DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>
Sent: Sunday, 15 November 2020 3:34 PM
To: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Cc: BEHRENDORFF Linda <linda.behrendorff@des.qld.gov.au>
Subject: Waterbomb option

Hi Andrew – if you have snapshot of what is intended for this afternoon via your standard forms, I could send that through my system. Those above me are awaiting a higher level engage as per our Teams Meet earlier.

Alternatively Have you got a solid push from your side to go anyway ?

Regards, Marc

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Date : 17/11/2020 10:32:12 AM

From : "DARGUSCH Marc"

To : "Peter Hollier"

Cc : "Michael Koch" , "Andrew Marnie" , "CIR Fire Team" , "CUBIS Mick" , "BEHRENDORFF Linda" , "CONNOR Nathan"

Subject : Duling CZ wildfire tactics 17Nov2020

Attachment : image003.png;image004.png;

Hello Peter – the Gel Water-bombing effort as discussed at Team Meet 0830hrs today is endorsed by QPWS on the basis that it is funded by QFES and on the premise that this is the decision of QPWS's Incident Coordinator and our IMT.

AirOperations are to make every effort to keep retardants out of swamps and watercourses.

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

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Date : 17/11/2020 8:29:57 AM
From : "DARGUSCH Marc"
To : "Andrew Marnie" , "BEHRENDORFF Linda"
Subject : QFES-QPWS discuss on tactics for K'gari Wildfire
Hi Peter/Michael –do you also want Andrew Marnie in this one ?

Ta, Marc

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

[Learn More](#) | [Meeting options](#)

Published on DES Disclosure Log
RTI Act 2009

Date : 17/11/2020 8:14:49 AM
From : "DARGUSCH Marc"
To : "Andrew Marnie"
Cc : "BEHRENDORFF Linda" , "Michael Koch" , "MCLAUGHLIN Marty"
Subject : RE: Approved tasking for observation flight Fraser Island
Attachment : image001.jpg;

Hi Andrew – any chance of this AirSurvey grabbing some footage – both video and stills for the purpose of Media use. Keen to attempt to get a overall 'still shot' of entire fire ground (Sandy Cape to Moon Point road) from above Would be a great grab for media.

Let me know if you need more from me.

Ta, M

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Tuesday, 17 November 2020 7:45 AM
To: BEHRENDORFF Linda; DARGUSCH Marc
Subject: FW: Approved tasking for observation flight Fraser Island

FYI

Andrew Marnie
Bushfire Safety Office
North Coast Region
Queensland Rural Fire Service

Mobile Personal info



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From: QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>
Sent: Tuesday, 17 November 2020 7:30 AM
To: Peter Hollier <Peter.Hollier@qfes.qld.gov.au>; QFESNCRDMO <QFESNCR.DMO@qfes.qld.gov.au>; ROC North Coast <ROC.NorthCoast@qfes.qld.gov.au>; QFES AirOpsAdmin <QFES.AirOpsAdmin@qfes.qld.gov.au>; SOC Admin <soc.admin@qfes.qld.gov.au>; QFES State Air Desk <QFES.StateAirDesk@qfes.qld.gov.au>
Cc: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>; Michael Koch <Michael.Koch@qfes.qld.gov.au>; rfsq northcoast <rfsq.northcoast@qfes.qld.gov.au>; David Woods <DavidJ.Woods@qfes.qld.gov.au>
Subject: Approved tasking for observation flight Fraser Island

Good morning all,
Please find attached the approved tasking for observation of the Fraser Island fire

Kind regards

Brett

Brett Mcilwaine

State Air Operations Coordinator | QFES State Air Desk
Queensland Fire and Emergency Services

Please contact QFES State Air Desk for all operational aircraft tasking
P 3635 1400 or E qfes.stateairdesk@qfes.qld.gov.au

For Business as usual contact- please utilise:

M Personal info or E brett.mcilwaine@qfes.qld.gov.au
Level 3, DMC

125 Kedron Park Road, Kedron 4031
GPO Box 1425, Brisbane 4001



AIRCRAFT TASKING

(All coloured sections are MANDATORY)

INCIDENT NAME: Fraser Island

Firecall No: QF4-20-116117

LOCATION:

OPERATIONS

Requested by: Andrew Marnie

Time: 1600 hrs

Phone Contact: Personal infor

Position: RFS LO Fraser Island ICC

Date: 16/11/2020

STANDBY REQUEST

TASKING REQUEST

STANDBY REQUIRED

- ☐ Yes
☐ No

OBSERVATION

- ☒ Reconnaissance
☐ Detection
☐ Aerial Damage Assessment

TRANSPORT

- ☐ Personnel
☐ Equipment

AIR ATTACK

- ☐ Bombing
☐ Supervision
☐ Incendiaries

RESCUE

- ☐ Medivac
☐ Winching
☐ Swiftwater

RPAS

- ☐ Observation / Intel
☐ Search and Rescue
☐ Mapping
☐ Payload

Date/s Required:
17/11/2020

Time: 0800 hrs

Task duration (If known): Last Light

Incident Location:

Latitude S - Refer Comments

Longitude E -

Aircraft to report to (location of airbase or helibase):

ICP or ICC Name:
North Coast ROC

Phone Contact/s:

Andrew Marnie

Personal infor

QFES/Agency Channel

GWN:

UHF:

VHF: QPWS 413

Comments: (please specify in detail intended use of aircraft, how you will support (e.g. Aircraft crew AAS AOB), number of aircraft, threatened assets and time of impact and any further information to support the use of the aircraft)

Lat 25° 10' 9.174037" S

Lon 153° 12' 47.331519" E

Mapping required to confirm fire movement towards Happy Valley and Cathedral Beach as well as Rate of Spread. This will allow PSU to update Fire Spread Predictions which in turn will inform ICC (QPWS, RFS, QPS) of likely time of impact on both communities.

REGIONAL APPROVAL BY

☐ Regional A/C☐ DRO☐ RM RFS☐ Other _____

Name Peter Hollier

Time

Date

Signature

SECTION BELOW TO BE COMPLETED BY STATE AIR DESK

RECEIVED BY: Brett Mcllwaine

TIME: 1800 hrs

DATE: 16/11/2020

TASKING APPROVED BY CSO A/C Stephen Smith

Name: Stephen Smith

☐ Commissioner☐ D/C☒ CSO A/C☐ OTHER _____

Task: Approved

Received by: Phone

Time 1826

Date 16/11/2020

State Air Desk Comments: (reasons, other Aircraft in Area, hazards, other Instructions to Pilot)

Aircraft approved for recon flight

APPROVED AIRCRAFT				
Call sign	Rego	Company	Intended use of aircraft	Dispatch No. (Arena)
FB450	YUR	McDermott	Bombing / AOB / AAS	QFES-018-081
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
			Bombing / AOB / AAS	QFES-
Additional Comments:				
RETURNED BY: BRETT MCILWAINE			DATE: 17/11/2020	TIME: 0730

State Air Desk Checklist	
IF21	Initial
Received State Air Desk	BM
Approved / Declined	BM
ABM / Operator advised	BM
Emailed back to region/operators/Airops admin	BM
ARENA	Initial
Request entered	BM
Dispatch completed	BM
Record Dispatch # on IF21	BM
Aircraft Engagement	Initial
Engagement spreadsheet updated	BM
Name: Brett McIlwaine	
Signature: BM	
Please file IF21 once completed	

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Date : 17/11/2020 11:46:06 AM
From : "DARGUSCH Marc"
To : "Andrew Marnie"
Cc : "BEHRENDORFF Linda"
Subject : RE: Duling CZ Wf ground logistics
Attachment : image001.jpg;image003.png;
[Working on this one Andrew – haven't forgotten.](#)

M

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Tuesday, 17 November 2020 10:42 AM
To: DARGUSCH Marc
Cc: LAVENDER Sven; GREEN John; CIR Fire Team; CONNOR Nathan; Peter Hollier; rfsq northcoast; BULLEY Graeme; BEHRENDORFF Linda; SEELEITHER Jamie
Subject: RE: Duling CZ Wf ground logistics

Yes discussion occurred here post Zoom need to hold line between drops and deal with spot overs

Andrew Marnie
Bushfire Safety Office
North Coast Region
Queensland Rural Fire Service

Mobile Personal info



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From: DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>
Sent: Tuesday, 17 November 2020 10:40 AM
To: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Cc: LAVENDER Sven <Sven.Lavender@des.qld.gov.au>; GREEN John <John.Green@des.qld.gov.au>; CIR Fire Team <CIR.fireteam@des.qld.gov.au>; CONNOR Nathan <Nathan.Connor@des.qld.gov.au>; Peter Hollier <Peter.Hollier@qfes.qld.gov.au>; rfsq northcoast <rfsq.northcoast@qfes.qld.gov.au>; BULLEY Graeme <Graeme.Bulley@des.qld.gov.au>; BEHRENDORFF Linda <linda.behrendorff@des.qld.gov.au>; SEELEITHER Jamie <Jamie.Seeleither@des.qld.gov.au>
Subject: RE: Duling CZ Wf ground logistics

Hi Andrew – are rotary aircraft now included in the equation ?

Ta, M

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Tuesday, 17 November 2020 10:35 AM
To: DARGUSCH Marc; BULLEY Graeme; SEELEITHER Jamie; BEHRENDORFF Linda
Cc: LAVENDER Sven; GREEN John; CIR Fire Team; CONNOR Nathan; Peter Hollier; rfsq northcoast
Subject: RE: Duling CZ Wf ground logistics

Good morning all,

The specific request is for the Helitak to be able to refill out of a nearby lake on the island – nearby to where they are dropping. The reasons for this are

- Alternatives are to pick up water from:
 - o East Booral on the mainland
 - Significant reduction in amount of drops due to increased turn round times
 - Significant increase in fuel use during ferrying.
 - o Use collar tank on the island
 - Helipad needs to be a minimum of 30 metres diameter with a gradual departure path for the chopper to depart under load, and

- Accessible to a water source capable of sustaining up to 36,000 litres per hour for up to 5 hours
- Cathedral Beach – too small
- Happy Valley
 - LZ large enough (AW139 EMQ uses the pad)
 - Water supply – seriously challenged (Bore 3,500 litres per hour)
 - Would need to check with QAS re closing the LZ to Aeromed evac as a consequence
- Orchid Beach
 - Side of airstrip without impact Fixed Wing Operations.
 - I understand there is adequate bore flow but confirmation would be good

Protocols

- Belly tank could be cleansed prior to departure for Fraser Island
- If contamination is a concern then no use of gel etc, however this would reduce drop persistence from 3 hours to 20 minutes max depending on local weather conditions

Overall the ability to use a nearby lake would increase the effectiveness of Helitak operations by:

- Significantly reducing turn round time between drops
- Increasing litres per hour delivered, and
- Increased likelihood of success in pulling up any spot overs

Hope this helps

Please ring if you have any questions

Regards

Andrew

Andrew Marnie
Bushfire Safety Office
North Coast Region
Queensland Rural Fire Service

Mobile Personal info



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From: DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>
Sent: Tuesday, 17 November 2020 10:17 AM
To: BULLEY Graeme <Graeme.Bulley@des.qld.gov.au>; SEELEITHER Jamie <Jamie.Seeleither@des.qld.gov.au>; BEHRENDORFF Linda <linda.behrendorff@des.qld.gov.au>
Cc: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>; LAVENDER Sven <Sven.Lavender@des.qld.gov.au>; GREEN John <John.Green@des.qld.gov.au>; CIR Fire Team <CIR.fireteam@des.qld.gov.au>; CONNOR Nathan <Nathan.Connor@des.qld.gov.au>
Subject: RE: Duling CZ Wf ground logistics

Linda/Graeme – can you attempt to gather together all cultural requests to gain an understanding of the overall ask to BAC/BNTAC.

Jamie – Please make direct contact with Linda/Graeme with view to progressing with priority.

Many thanks, Marc

From: BULLEY Graeme <Graeme.Bulley@des.qld.gov.au>
Sent: Tuesday, 17 November 2020 10:13 AM
To: BEHRENDORFF Linda; DARGUSCH Marc; CIR Fire Team
Cc: SEELEITHER Jamie; Andrew Marnie; LAVENDER Sven; GREEN John
Subject: RE: Duling CZ Wf ground logistics
Importance: High

Marc,
 Further to this can Jamie please discuss with BAC to determine whether there is a water source/s on the island which is acceptable to draw

water from closer to the active fire edges? One concern would be cross contamination so that should a source be determined then specific aircraft would only draw from that source with suitable cleaning carried out prior to using an alternative source.

Regards

Graeme Bulley

Senior Ranger North Stradbroke Island

Coastal and Islands Region / QPWS & Partnerships

Department of Environment and Science

Mob **Personal info**

From: BEHRENDORFF Linda <Linda.Behrendorff@des.qld.gov.au>

Sent: Tuesday, 17 November 2020 9:59 AM

To: DARGUSCH Marc; CIR Fire Team

Cc: BULLEY Graeme; SEELEITHER Jamie; Andrew Marnie; LAVENDER Sven; GREEN John

Subject: Duling CZ Wf ground logistics

Hi Marc and team,

Further to the teams meet this morning considerations for the following possible on ground actions for discussion to support air ops in the effort t to contain current Duling fire nth of Moon Pt Rd.

Plant operations for Moon Point Road and possibly and further to prep for southern Happy Valley road.

- Contactor/s utilising large plant drum mulching equipment, grooming head excavator (i.e Eastern Trees, McKenna's, LSD). Absolute last option is dozer leaving windrows and issues close to the road.
- Areas of most concern are heathlands and banksia where the machines can progress relatively quickly from the centre heading towards the west (Moon Pt).
- A good option for consideration would be to bring the machines over via charter barge to Moon Pt.
- **Significant cultural information - Butchulla people - Butchulla people**

Graeme will be the IMT contact.

For your consideration or action.

'The legacy you leave for colleagues emerging behind you, is how you allow yourself to be treated by others.'



Linda Behrendorff

Ranger in Charge, Natural Resource Management

Great Sandy National Park – K'gari (Fraser Island) & Cooloola

Coastal and Island Parks - Queensland Parks and Wildlife Service & Partnerships

Department of Environment and Science

P 07 4127 9128

M **Personal info**

I acknowledge and pay my respect to Traditional Owners as the Custodians of the Lands and Seas on which I walk, work and live on.

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Date : 17/11/2020 6:23:24 AM
From : "DARGUSCH Marc"
To : "Andrew Marnie"
Cc : "BEHRENDORFF Linda" , "CIR Fire Team" , "MCLAUGHLIN Marty"
Subject : RE: QEMR as at 17/11/2020 05:00
Attachment : image001.png;image002.png;

Many thanks Andrew.

M

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Tuesday, 17 November 2020 6:22 AM
To: DARGUSCH Marc
Cc: BEHRENDORFF Linda; CIR Fire Team; MCLAUGHLIN Marty
Subject: Re: QEMR as at 17/11/2020 05:00

Hi Marc

Heat exhaustion dehydration

Evacuated by road boat to Hervey Bay as a precaution given remote nature of Happy Valley

QAS put one bag of fluid into him at accomodation hospital out two more litres.

Appears to have had enough fluid during the day. My non medical thought is possibly due to high humidity and reduced effectiveness of sweating in cooling body.

He had been involved in Dundy back burning.

Released yesterday morning.

Regards

Andrew

Andrew Marnie
Bushfire Safety Officer
North Coast Region, Rural Fire Service
Queensland Fire and Emergency Services
Mobile Personal info

From: DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>
Sent: Tuesday, November 17, 2020 6:11:07 AM
To: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Cc: BEHRENDORFF Linda <linda.behrendorff@des.qld.gov.au>; CIR Fire Team <CIR.fireteam@des.qld.gov.au>; MCLAUGHLIN Marty <Marty.McLaughlin@des.qld.gov.au>
Subject: FW: QEMR as at 17/11/2020 05:00

Hi Andrew – re: below which is taken from attached is this the person that you referred to when you told me that you lost one of your guys from the Island ?

I've already indicated to QPWS Exec that it was a medical episode and *not* a fireline injury. *Can you confirm my advice is correct + if appropriate, provide further details that I could use to further brief the Exec team with ?*

~~throughout the day and are continuing today.~~ The firefighter transported to hospital on Sunday has now been released.

Many thanks, 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

live and walk.

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

From: CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>
Sent: Tuesday, 17 November 2020 5:26 AM
To: DARGUSCH Marc; CUBIS Mick; HEAD Damien
Subject: Fwd: QEMR as at 17/11/2020 05:00

Hi guys, what was the firefighter injury reported here pls?

Regards Neil Cambourn

Begin forwarded message:

From: State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Date: 17 November 2020 at 5:03:19 am AEST
To: CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>
Subject: QEMR as at 17/11/2020 05:00

Dear Mr Neil Cambourn,

Please find attached the Queensland Emergency Management Report as at 17/11/2020 05:00.

If you no longer wish to receive the Queensland Emergency Management Report, please reply to this email and detail which email address you would like removed from the distribution list.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M: Personal info
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

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Queensland Emergency Management Report

Report Time

17/11/2020 05:00

Report ID

R19721322

Emergency and Disaster Management Operations

Queensland:

- **Severe Thunderstorms - South East Queensland:**

s733 Irrelevant information

- **COVID-19:**

s733 Irrelevant information

Australia:

- **COVID-19:**

s733 Irrelevant information

International:

- **COVID-19:**

s733 Irrelevant information

Major Infrastructure Advice

[Traffic Updates and Alerts](#) / [Rail](#) / [Marine](#)

Major Roads and Arterials

Airports, Rail and Marine Ports

Major Power Outages

Critical Infrastructure

s733 Irrelevant information

Weather

All weather data is sourced from the [Bureau of Meteorology](#)

Forecast for Today

- **Current Situation:** A high in the Tasman Sea extends a weak ridge along the east coast. A trough in the west of the state extends into the southeast, with a southeasterly change moving up the southeast coast from the afternoon, reaching the Central Coast by Thursday. A new high will move into the Tasman Sea on Wednesday strengthening the ridge along the east coast. The trough will weaken and drift westwards back into the southwest of the state by midweek.
- **Today's Outlook:** A slight to medium chance of showers and thunderstorms extending down from the northwest into the southeast. A risk of severe thunderstorms in the southeast. A slight chance of light showers about the North Tropical Coast. Areas of raised dust about the southwest parts of the state in the morning. Light to moderate northeast to southeasterly winds, tending

moderate to fresh south to southeasterly in western and southwest districts. A fresh southeasterly change moving along the southeast coast from the afternoon. Temperatures at or above average, tending well above average in central districts and the southern interior.

Fire Danger - Very High in the Peninsula, Northern Goldfields and Upper Flinders, and the Darling Downs and Granite Belt Districts.

Current Warnings

- [Marine Wind Warning](#): Strong Winds for Moreton Bay and Gold Coast Waters.

Rainfall Since 0900 Yesterday

- Nil of significance.

Operational Activity

Disaster Management

- s733 Irrelevant information

QFES Significant Operations

- **South Western Region:**

s733 Irrelevant information

- **South Eastern Region:**

s733 Irrelevant information

- **Brisbane Region:**

s733 Irrelevant information

- **Central Region:**

s733 Irrelevant information

- **North Coast Region:**

- **Fraser Coast LGA:** Rural Fire Service crews continued firefighting opera-

tions at an uncontained vegetation fire burning on Fraser Island yesterday. Fire and QPWS crew, along with water-bombing aircraft support, conducted backburning operations and strengthened containment lines throughout the day and are continuing today. The firefighter transported to hospital on Sunday has now been released.

Current Status of Activations

State Group Activations	s733 Irrelevant information		
	• The QFES SOC remains at STAND UP for s733 Irrelevant information Operation Quell and s733 Irrelevant information		
QFES Region Activations	Activated	Watching Brief	Alert
	Brisbane ROC	Northern ROC, South Eastern ROC, North Coast ROC	Central ROC, Far Northern ROC, South Western ROC
	Not Activated		All other ROCs
	DDMG Activations		LDMG Activations
Stand Up	Toowoomba DDMG, Cairns DDMG, Mount Isa DDMG, Townsville DDMG, Brisbane DDMG, Bundaberg DDMG, Maryborough DDMG, Gladstone DDMG, Gold Coast DDMG, Rockhampton DDMG, Warwick DDMG, Mackay DDMG		Mornington LDMG, Palm Island LDMG, Balonne LDMG, Douglas LDMG, Torres & Torres Strait Island LDMG, Wujal Wujal LDMG, Burke LDMG
Lean Forward	Roma DDMG, Longreach DDMG, Charleville DDMG, Mareeba DDMG, Sunshine Coast DDMG, Moreton DDMG		Kowanyama LDMG, McKinlay LDMG, Redland LDMG, Rockhampton LDMG, Lockhart River LDMG, Mount Isa LDMG, Bundaberg LDMG, Woorabinda LDMG, Mapoon LDMG, Hinchinbrook LDMG, North Burnett LDMG, Livingstone LDMG, Napranum LDMG, Richmond LDMG, Gold Coast LDMG, Whitsunday LDMG, Northern Peninsula LDMG, Townsville LDMG, Cherbourg LDMG, Weipa LDMG, Banana LDMG, Gympie LDMG, Yarrabah LDMG, Gladstone LDMG, Noosa LDMG, Boulia LDMG,

		Barcaldine LDMG, Aurukun LDMG, Carpentaria LDMG, Isaac LDMG, Cook LDMG, Cloncurry LDMG, Mackay LDMG, Hope Vale LDMG, Doomadgee LDMG, Brisbane LDMG, Central Highlands LDMG
Alert	Dalby DDMG, Innisfail DDMG, Gympie DDMG, Ipswich DDMG, Logan DDMG	Somerset LDMG, Bulloo LDMG, Mareeba LDMG, Scenic Rim LDMG, Murweh LDMG, Moreton Bay LDMG, Paroo LDMG, Sunshine Coast LDMG, Quilpie LDMG, Pormpuraaw LDMG, Barcoo LDMG, Cassowary Coast LDMG, Longreach LDMG, Croydon LDMG, Winton LDMG, Etheridge LDMG, Maranoa LDMG, Diamantina LDMG, Lockyer Valley LDMG, Burdekin LDMG, Toowoomba LDMG, South Burnett LDMG, Flinders LDMG, Blackall Tambo LDMG
Stand Down	*No DDMGs	*No LDMGs
Not Activated	All other DDMGs	All other LDMGs

Media

Full access to some media articles in this report may require a digital subscription

Source	Details
<div>s733 Irrelevant information</div>	
Fraser Coast Chronicle	HEATING UP: What fireys want you to know going into summer. As the Fraser Coast heads into Summer, Queensland Fire and Emergency Service is reminding residents to be prepared.
<div>s733 Irrelevant information</div>	

Next Report

The next Queensland Emergency Management Report will be issued at 0500 hours tomorrow.

The QEMR is issued under the authority of the
Director, State Operational Coordination Branch, Queensland Fire and Emergency Services

SDCC Watch Desk

The State Disaster Coordination Centre Watch Desk operates on a 24-hour capability and can be contacted as undersigned for further information.

The SDCC Watch Desk is responsible for reporting on emergency and disaster management activities and providing situational awareness to enhance decision making for emergency management, disaster management and senior QFES stakeholders.

Some information is obtained from unofficial sources and may not have been verified.

State Disaster Coordination Centre
125 Kedron Park Road
Kedron Queensland 4031
Telephone: (07) 3635 2387
Fax: (07) 3357 4682
Email: sdcc@qfes.qld.gov.au

Date : 18/11/2020 4:23:32 PM

From : "DARGUSCH Marc"

To : "'Peter.Roberts2@qfes.qld.gov.au'"

Cc : "'Brock Harris"' , "DAVIES Matt (Matt.Davies@des.qld.gov.au)" , "HARVEY Peter" , "YETMAN Brendon" , "CIR Fire Team"

Subject : K'gari camp

Attachment : image001.png;image002.png;

Hi Pedro – nice to have you on board.

Personal info from Discovery Adventure Group rang me **Personal info** **Personal info** is the Operations Manager for Discovery Group who utilise K'gari camp for their tourism operation. He'd like advice on further prep that his guys could do at **K'gari camp** + would like to get advice about what they should do as the fire gets closer.

Are you able to make contact with him ?

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

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.

Date : 18/11/2020 2:27:32 PM

From : "DARGUSCH Marc"

To : "Andrew Marnie"

Cc : "Peter C Roberts" , "SOC Plan Model Predict Unit" , "PSU Reports NCR" , "BULLEY Graeme" , "CONNOR Nathan" , "BEHRENDORFF Linda" , "CIR Fire Team" , "Michael Koch"

Subject : RE: Fraser Island points [SEC=OFFICIAL]

Attachment : image001.png;image004.png;image005.jpg;image006.gif;

Many thanks for your effort in this one Andrew ... and thanks for providing the bit of rain overnight – nice touch ☺

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

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: Wednesday, 18 November 2020 2:02 PM

To: SOC Plan Model Predict Unit; PSU Reports NCR; BULLEY Graeme; CONNOR Nathan; DARGUSCH Marc; BEHRENDORFF Linda; CIR Fire Team

Cc: Peter C Roberts

Subject: RE: Fraser Island points [SEC=OFFICIAL]

Good afternoon

Peter Roberts is about to take over from me as RFS LO on K'Gari.

Would you please add him to your email list for the reports.

Thanks for your help over the last four days and will catch up when I am back on Saturday

Regards

Andrew

Andrew Marnie

Bushfire Safety Office

North Coast Region

Queensland Rural Fire Service

Mobile **Personal info**



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From: SOC Plan Model Predict Unit <SOC.PlanModelPredictUnit@qfes.qld.gov.au>

Sent: Wednesday, 18 November 2020 1:47 PM

To: PSU Reports NCR <PSUReportsNCR@qfes.qld.gov.au>; Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>;

Graeme.Bulley@des.qld.gov.au; Nathan.Connor@des.qld.gov.au; DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>; BEHRENDORFF Linda <linda.behrendorff@des.qld.gov.au>; CIR Fire Team <CIR.fireteam@des.qld.gov.au>

Subject: FW: Fraser Island points [SEC=OFFICIAL]

Hi all,

Some additional notes below from David Grant from the BOM about the forward outlook for Fraser.

If you require any further information please don't hesitate to contact the On-Call FBAN on 3635 1808.

Regards

Francis

Fire Behaviour Analyst

State Operations Centre

Queensland Fire and Emergency Services | State Operational Coordination Branch

Level 2 Disaster Management Centre | 125 Kedron Park Rd | Kedron Q4031

To contact the On-Call FBAN please call 3635 1808.

From: David Grant <david.grant@bom.gov.au>

Sent: Wednesday, 18 November 2020 1:41 PM

To: Francis Hines <Francis.Hines@qfes.qld.gov.au>

Subject: Fraser Island points [SEC=OFFICIAL]

Hi Francis,

- East to southeasterly winds should gradually ease in strength over the coming days.
- High confidence that winds should tend **north to northeasterly** from Monday and persist until around Wednesday. At this stage, there are indications that a southeasterly change will move through either late Wednesday or during Thursday.
- Medium to high chance of showers the next couple of days, but should become mostly fine from Friday.
- Fire danger ratings will be capped at High over the coming week.

Kind regards,

David Grant | Queensland Fire and Emergency Services Meteorologist



Australian Government
Bureau of Meteorology

Queensland Fire and Emergency Services

Cnr Park Road and Kedron Park Road, Kedron Qld 4031

GPO Box 1425 Brisbane Qld 4001

Tel: +61 7 3635 2364 | +61 7 3239 8608 | david.grant@bom.gov.au

www.bom.gov.au

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Date : 18/11/2020 6:02:06 AM

From : "DARGUSCH Marc"

To : "'Andrew Marnie'"

Cc : "CIR Fire Team" , "BULLEY Graeme" , "TAPPLY Jenna" , "DARGUSCH Anthony" , "BEHRENDORFF Linda" , "Peter Hollier"

Subject : RE: Management of SW Sector

Attachment : image001.png;image002.png;image003.png;image004.png;

Sounds great Andrew.

Just for clarity: I'm not saying that the fire hasn't crossed the Moon Point tk. I believe it has, but maybe not by too much. I'm suggesting that we get our heads around the extent of the fire south of Moon Point, assess the options and see if we have an option to put the fire out south of Moon Point tk so that retain Moon Pt tk as the southern fire control line.

Thanks again for your effort + nice to hear about shower at HV.

M

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

Sent: Wednesday, 18 November 2020 5:56 AM

To: DARGUSCH Marc; BEHRENDORFF Linda; Peter Hollier

Cc: CIR Fire Team; BULLEY Graeme; TAPPLY Jenna; DARGUSCH Anthony

Subject: Re: Management of SW Sector

Hi all

We have the chopper as early as crew time will allow 0700 specifically to tell us where moon track fire is.

This intel will directly influence our next steps.

Unfortunately the photos aren't coming through on my phone. But if as you are saying it hadn't crossed the track that may give us some relief

While we have just had a nice heavy shower for about fifteen minutes at happy valley the radar suggests it hasn't yet fallen to our north.

I am about to leave happy valley and head to Dundy.

Regards

Andrew

Andrew Marnie

Bushfire Safety Officer

North Coast Region, Rural Fire Service

Queensland Fire and Emergency Services

Mobile: **Personal**

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

Sent: Wednesday, November 18, 2020 5:42:13 AM

To: BEHRENDORFF Linda <linda.behrendorff@des.qld.gov.au>

Cc: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>; CIR Fire Team <CIR.fireteam@des.qld.gov.au>; BULLEY Graeme <Graeme.Bulley@des.qld.gov.au>; TAPPLY Jenna <jenna.tapply@des.qld.gov.au>; DARGUSCH Anthony <Anthony.Dargusch@des.qld.gov.au>

Subject: Management of SW Sector

Hi Linda – RE: Management of SW Sector

Possibility of holding Moon Point Tk as southern fireline

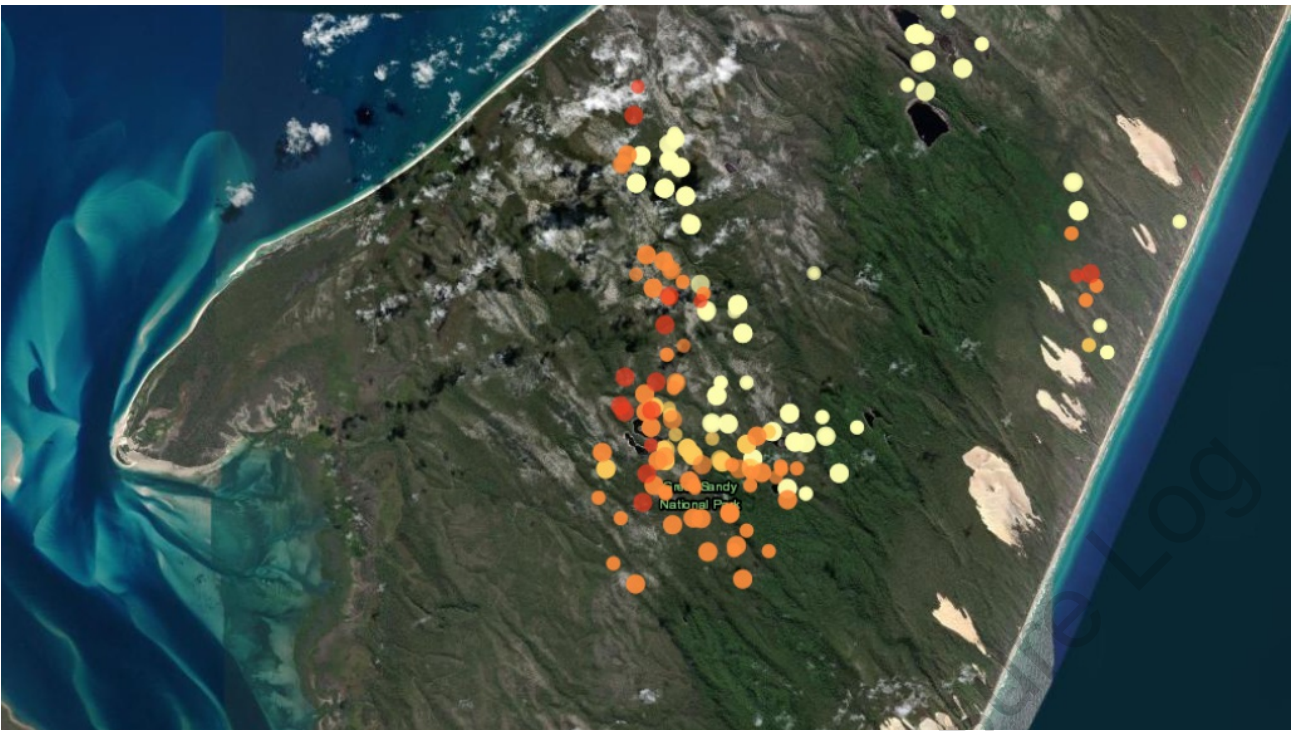
- Keen to get appreciation of where fire is south of Moon Point Road/size/location in landscape as soon as we can (refer snaps of NAFI/DEA Hotspots below).
- If there are possibilities of nailing spotover/fire south of Moon Pt tk we need to consider them as the alternative is that we continue to chase this thing all the way south. Options ?
 - Gel bombing ?
 - Smaller mechanical (positrack ?) **Significant cut**
 - Walk in handwork
- Dependant on outcome of above, we may need to rethink what work is required on Moon Pt Tk.

Further planning to south

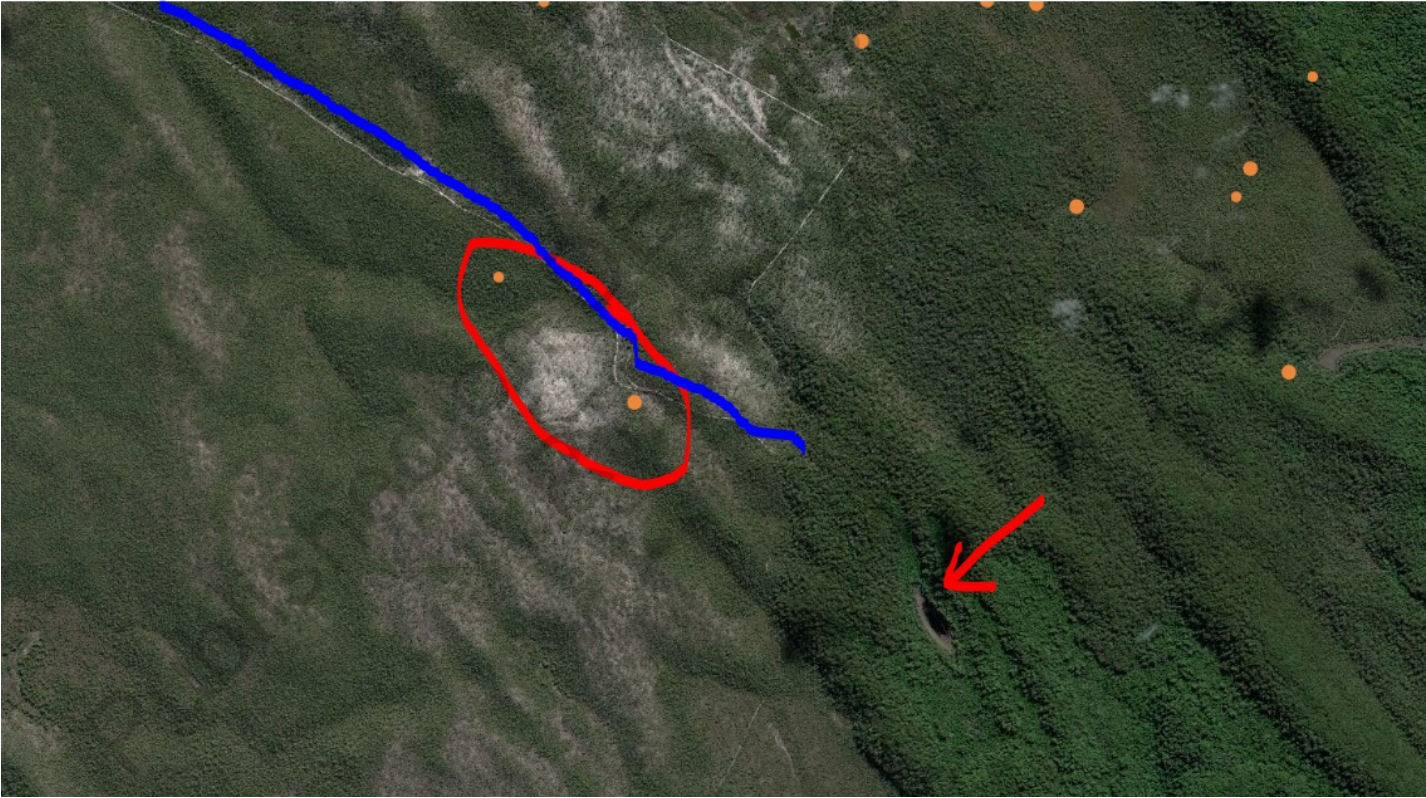
- As per talks yesterday please engage with Keith/Shayne and others with machinery/area knowledge to determine best fallback positions to establish which tracks will be the best fire control lines if the fire continues to move south.
- Once the best firelines are worked out the mtn requirements can be determined and actioned.

Regards, Marc

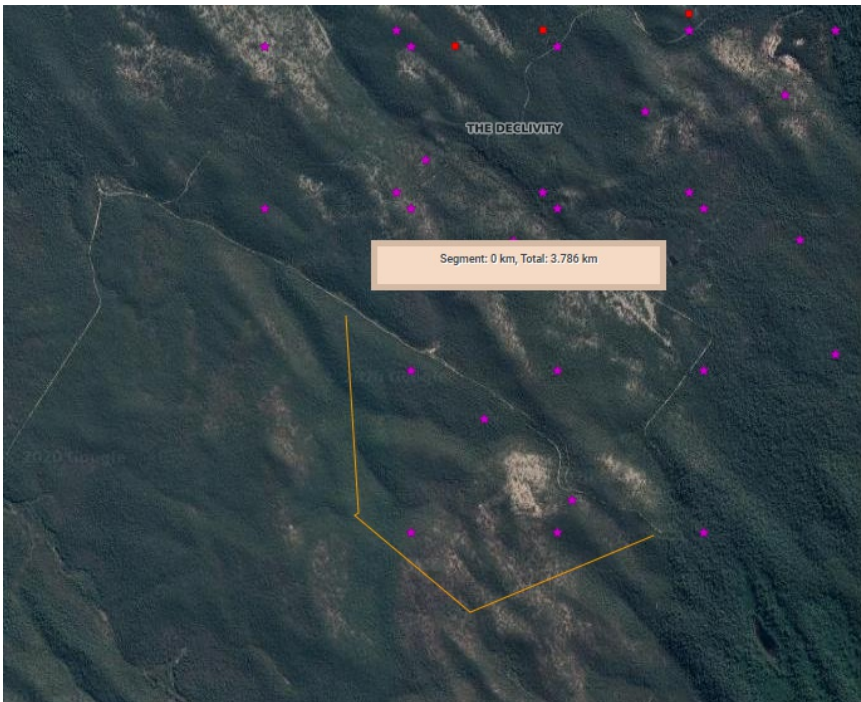
DEA Hotspots 5am Wednesday 18Nov2020



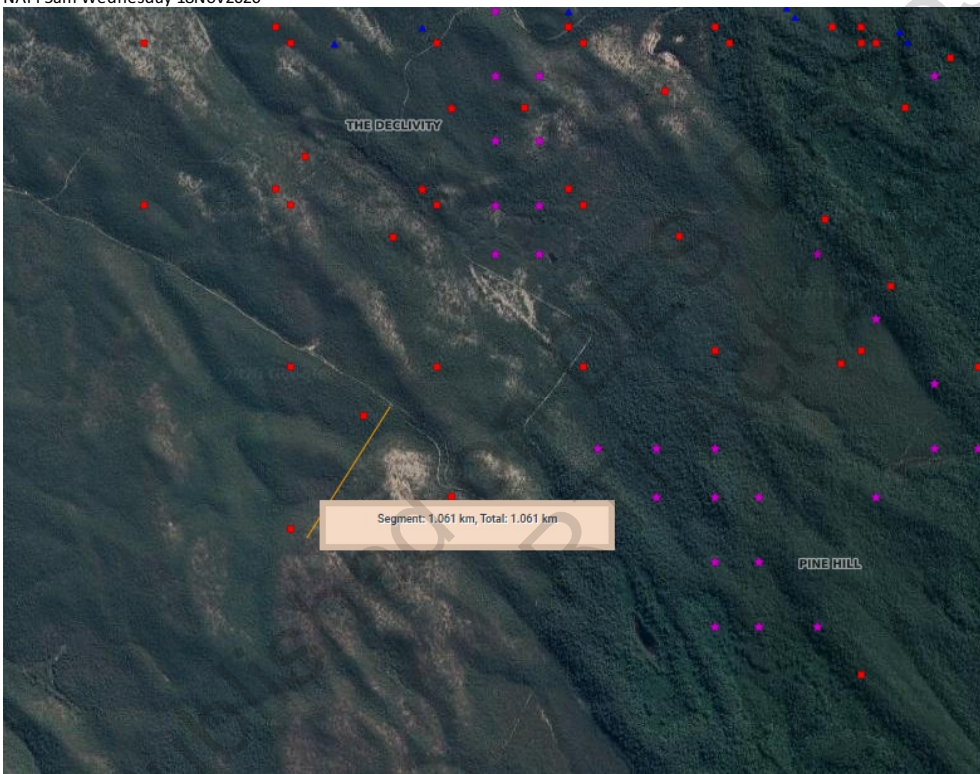
Zoomed view – Arrow points to Black Lagoon, Blue indicates Moon Point Track.



NAFI yesterday arvo 5.45pm Tuesday 17Nov2020



NAFI 5am Wednesday 18Nov2020



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Date : 18/11/2020 7:37:00 AM
From : "DARGUSCH Marc"
To : "Andrew Marnie" , "BEHRENDORFF Linda"
Cc : "Peter Hollier" , "ROC North Coast" , "EDMED Greg"
Subject : RE: Moon Point Track
Andrew - Nice, needed that confirm.

Linda – some good news, please confirm timing that works for you and team, 8am good from my side.

Regards, Marc

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Wednesday, 18 November 2020 7:34 AM
To: DARGUSCH Marc
Cc: Peter Hollier; ROC North Coast; BEHRENDORFF Linda; EDMED Greg; rfsq northcoast
Subject: Re: Moon Point Track

Yes no fire south of moon point road

Will speak to air crew re effectiveness of air attack to hold fire and allow QPWS to plan accordingly

I spoke to crew overhead and asked several times. They are now mapping cathedral and then coming to Dundy.

We the IMT will brief you once we have had chance to absorb and discuss impact and options from this new intel

Regards

Andrew

Regards

Andrew

Andrew Marnie
Bushfire Safety Officer
North Coast Region, Rural Fire Service
Queensland Fire and Emergency Services
Mobile: Personal info

From: DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>
Sent: Wednesday, November 18, 2020 7:24:21 AM
To: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Cc: Peter Hollier <Peter.Hollier@qfes.qld.gov.au>; ROC North Coast <ROC.NorthCoast@qfes.qld.gov.au>; BEHRENDORFF Linda <linda.behrendorff@des.qld.gov.au>; EDMED Greg <Greg.edmed@des.qld.gov.au>; rfsq northcoast <rfsq.northcoast@qfes.qld.gov.au>
Subject: RE: Moon Point Track

Thanks Andrew. So, they can confirm that there is **no fire** south of Moon Point tk ?

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Wednesday, 18 November 2020 7:21 AM
To: Peter Hollier; ROC North Coast; DARGUSCH Marc; BEHRENDORFF Linda; EDMED Greg; rfsq northcoast
Subject: Moon Point Track

Air ops has confirmed fire is approx 150-200 metres north of moon point track

Andrew Marnie
Bushfire Safety Officer
North Coast Region, Rural Fire Service
Queensland Fire and Emergency Services
Mobile: Personal info

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Date : 18/11/2020 7:30:39 AM

From : "DARGUSCH Marc"

To : "'Andrew Marnie'"

Cc : "'Peter Hollier'", "BEHRENDORFF Linda" , "EDMED Greg"

Subject : RE: Moon Point Track

Especially need check on area just south of Moon Track lying west of Black Lagoon.

Ta, M

From: DARGUSCH Marc

Sent: Wednesday, 18 November 2020 7:24 AM

To: 'Andrew Marnie'

Cc: Peter Hollier; ROC North Coast; BEHRENDORFF Linda; EDMED Greg; rfsq northcoast

Subject: RE: Moon Point Track

Thanks Andrew. So, they can confirm that there is **no fire** south of Moon Point tk ?

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

Sent: Wednesday, 18 November 2020 7:21 AM

To: Peter Hollier; ROC North Coast; DARGUSCH Marc; BEHRENDORFF Linda; EDMED Greg; rfsq northcoast

Subject: Moon Point Track

Air ops has confirmed fire is approx 150-200 metres north of moon point track

Andrew Marnie

Bushfire Safety Officer

North Coast Region, Rural Fire Service

Queensland Fire and Emergency Services

Mobile: Personal inform

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Date : 18/11/2020 10:33:07 AM

From : "DARGUSCH Marc"

To : "'Andrew Marnie'"

Cc : "BEHRENDORFF Linda"

Subject : RE: SW Sector Air Obs Update

Attachment : image002.png;image003.png;image004.jpg;

Hello Andrew – I'm keen to understand details of AirSupport today but can approve use of chopper for waterbombing as per talk at IMT meet. If QPWS has to pay, we can.

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

Sent: Wednesday, 18 November 2020 10:10 AM

To: Peter Hollier; DARGUSCH Marc

Cc: ROC North Coast; rfsq northcoast; BEHRENDORFF Linda; Peter C Roberts; Michael Koch

Subject: FW: SW Sector Air Obs Update

Good morning again

Update from the Helicopter re activity at the three hot spots.

Cloud base down to 600ft. No visible flame anywhere, just some small whispers of smoke coming up

Regards

Andrew

Andrew Marnie

Bushfire Safety Office

North Coast Region

Queensland Rural Fire Service

Mobile **Personal**



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Date : 23/11/2020 5:59:37 PM
From : "DARGUSCH Marc"
To : "Andrew Marnie"
Cc : "Peter Hollier" , "rfsq northcoast" , "Shannon Smith"
Subject : RE: Fraser Island
Attachment : image002.jpg;image003.png;

Hi Andrew – I spoke with David Hay (GM – KBRV) on my way back to Rainbow this afternoon. He is now aware of the current position of the wildfire + our concerns for tomorrow. Whilst there is no suggestion of evacuating KBRV in the near future, he is confident that, if required, he can empty the resort in 3hrs.

Regards, Marc

From: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Sent: Monday, 23 November 2020 12:47 PM
To: DARGUSCH Marc
Cc: Peter Hollier; rfsq northcoast; Shannon Smith
Subject: FW: Fraser Island

Hi Marc

These are the two enquiries our Maryborough Office has received from Kingfisher Resort through the First Officer of River Heads Kingfisher Rural Fire Brigade.

As we discussed can I leave this with you to follow up

Regards

Andrew

Andrew Marnie
Bushfire Safety Office
North Coast Region
Queensland Rural Fire Service

Mobile 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).

From: Shannon Smith <Shannon.Smith@qfes.qld.gov.au>
Sent: Monday, 23 November 2020 12:29 PM
To: Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>
Cc: Peter Hollier <Peter.Hollier@qfes.qld.gov.au>
Subject: Fraser Island

Good Afternoon Andrew,

Have received an phone call from 1st Officer of RiverHeads this morning he has received a call from the Manager of Kingfisher resort saying that ash is falling on the resort itself and are chasing information on the current situation.

The area office has also received a call from the manager of the Day Spa Maria Bertrim Personal info she also would like some information.
Personal information

Are you able to liaise with parks and see if all stakeholders are included in any notifications on the island are sent out.

Regards.

Shannon Smith
Area Training & Support Officer
Maryborough, Rural Fire Service



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RTI Act 2009

Date : 25/11/2020 5:01:07 PM

From : "DARGUSCH Marc"

To : "Scott Bell"

Cc : "Russell Postle" , "Darren & Lynette Gorlick" , "Andrew Marnie (Andrew.Marnie@qfes.qld.gov.au)" , "Michael Koch"

Subject : RE: Happy Valley Community

Attachment : image001.png;image003.png;

Thanks very much Scott and community. This letter means a lot to QPWS and it is very much appreciated.

The QPWS team are wonderfully passionate towards K'gari and those that hold this place dear, but they are getting tired (I imagine you are in the same boat). A letter such as this will do a lot to let those working hard know that their efforts are recognised.

I'd also like to throw some heartfelt thanks back to the Happy Valley Community and those involved in the Rural Fire Brigade. I am very aware that some of the effort put in by the Happy Valley crew has been extreme to say the least. There is a lot to like about the passion that Happy Valley residents have for the area.

Further to the above, I also recognise the wonderful efforts of the Butchulla People, in particular the Butchulla Land and Sea Rangers and the BAC Officers alongside QFES and the other Rural Fire Brigades that have come together to look after this special place and people.

Anyways, thanks again for your kind words.

Marc



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: Scott Bell **Personal information**

Sent: Wednesday, 25 November 2020 10:22 AM

To: DARGUSCH Marc

Cc: Russell Postle; Darren & Lynette Gorlick; Andrew Marnie (Andrew.Marnie@qfes.qld.gov.au); Michael.Koch

Subject: Re: Happy Valley Community

Hi Marc,

We have a slight lull in fire activities in Happy Valley this morning after what looked like a potentially serious day yesterday when we could have come under ember attack.

We dodged the bullet.

There are a lot of relieved people, even though we are still on alert and now have to prepare for the next round at the weekend.

So Russell, Darren and myself felt we should contact you.

It is appropriate that we as a Community and our Rural Fire Brigade express our gratitude and thanks to your magnificent QPWS crews and Management who are working hard keep us safe and defend the Island.

The 3 of us have spent many hours alongside your crews back burning, mopping up or even on fairly boring standby long into the night and you gain a good appreciation of what the guys on the ground and at the Control level are doing under difficult circumstances with a fire that is very hard to control.

The residents/property owners welcome the sight of the almost continuous stream of QPWS light attack vehicles and friendly staff.

Please pass onto your staff and keep up the good work!

Kind Regards,

Scott Bell

Secretary

Russell Postle

President

Happy Valley Community Association Inc

"Our Community, Our Say, Our Voice"

Mob: **Personal information**

Email: smbell@bigpond.com

Darren Gorlick

1st Officer

Happy Valley Rural Fire Brigade

Date : 27/11/2020 6:03:45 PM
From : "DARGUSCH Marc"
To : "Madolyn Peters"
Cc : "CUBIS Mick", "BARRACLOUGH Emma", "James Haig", "BROOK Scott"
Subject : FW: Action required: park alert approval "K'gari (Fraser Island) RESTRICTED VISITOR ACCESS due to fires"
Attachment : image001.png;image002.png;image003.png;

Hi Maddy – I've just approved this ParkAlert.

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.

K'gari (Fraser Island) RESTRICTED VISITOR ACCESS due to fires

Category: Fire closure or access restriction

Applies: 27 November to 13 December 2020
Published: 27 November 2020 5:53pm
ID: 20457

This alert applies to the following parks:

[K'gari \(Fraser Island\) Great Walk](#)
[K'gari \(Fraser Island\), Great Sandy National Park](#)

The Queensland Government is restricting visitor access to K'gari (Fraser Island) in the interest of public safety. The Queensland Fire and Emergency Services and Queensland Parks and Wildlife Service is continuing to manage a fire response on the island. As a safety precaution, as at 5pm 27 November, new visitor access to K'gari (Fraser Island) will be restricted until further notice. People who have a camping or vehicle access permit booked to visit and are not able to use it due to the restricted access will be notified and receive a refund. You are able to amend or manage your booking any time via www.qld.gov.au/camping. Existing visitors on the island are being asked to remain alert to the potential for any change in conditions. Please observe all signage, barriers and directions from rangers and emergency personnel and do not enter closed areas. Smoke may impact some camping areas, and beach drivers should exercise caution if smoke is impacting visibility.

From: Web Services DES - Publishing Requests <Web.Requests@des.qld.gov.au>
Sent: Friday, 27 November 2020 5:54 PM
To: DARGUSCH Marc
Subject: Action required: park alert approval "K'gari (Fraser Island) RESTRICTED VISITOR ACCESS due to fires"

Hi Marc,

A park alert has been submitted to you from Emma Barraclough for approval.

Alert title: K'gari (Fraser Island) RESTRICTED VISITOR ACCESS due to fires

[Review and approve this alert](#)

Comments from Emma: (none)

All alerts awaiting approval can also be viewed on the [park alert approvals](#) page.

Published on DES Disclosure Log
RTI Act 2009

Date : 28/11/2020 4:19:16 AM

From : "DARGUSCH Marc"

To : "James Haig"

Cc : "Madolyn Peters" , "BROOK Scott"

Subject : Camping and vehicle permit management

Attachment : image001.png;image005.jpg;image007.jpg;image011.jpg;image003.png;image004.png;image008.png;

James – also for your info – this was the email sent from the DES Unit that looks after camping and vehicle permits.

M

From: MCARTHUR Donna <Donna.McArthur@des.qld.gov.au>

Sent: Friday, 27 November 2020 3:48 PM

To: KLAASSEN Ben; CAMBOURN Neil; CUBIS Mick; HEAD Damien

Cc: BARRACLOUGH Emma; GENEK Tom

Subject: RE: K'Gari Camping areas_CLOSED

Hi Ben and Neil

- Coastal and Islands has closed all future bookings on K'gari until 2 January 2021.
- 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

Cheers, Donna



Donna McArthur

Program Manager, Online Booking Services

Protected Area Strategy and Investment

Department of Environment and Science

P 07 33305246

Level 4, 400 George Street, Brisbane QLD 4000

PO Box 15187, City East QLD 4002

Monday to Friday – 7:00am to 3:00pm

www.facebook.com/qldnationalparks

www.qld.gov.au/nationalparks



From: KLAASSEN Ben <Ben.Klaassen@des.qld.gov.au>

Sent: Friday, 27 November 2020 3:46 PM

To: CAMBOURN Neil; CUBIS Mick; HEAD Damien; MCARTHUR Donna

Subject: RE: K'Gari Camping areas_CLOSED

Thanks

Is my understanding correct as follows:

- No new bookings to be taken to 2 Jan (which can be revised if earlier required)
- Existing bookings to be reviewed weekly and will be cancelled/refunded/moved if Island remains off limits

If that is the case then I am ok.

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

I acknowledge that Aboriginal Peoples and Torres Strait Islander Peoples are the Traditional Owners of this country and they retain their relationship and connection to the land, sea and community.
I pay my respects to all Traditional Owners, and to the Elders past, present and the future for land and sea on which I work, live and walk.



From: CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>
Sent: Friday, 27 November 2020 3:15 PM
To: KLAASSEN Ben; CUBIS Mick; HEAD Damien; MCARTHUR Donna
Subject: FW: K'Gari Camping areas_CLOSED

Thanks Mick, Ben pls see below on the approach to close bookings until 4 January, for any comments?
Noting Donna is proposing to send alerts to prospective campers just a week in advance for consideration as well.



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: CUBIS Mick <Mick.Cubis@des.qld.gov.au>
Sent: Friday, 27 November 2020 3:04 PM
To: HEAD Damien; CAMBOURN Neil
Subject: FW: K'Gari Camping areas_CLOSED

Guys, fyi. James' advice is that the closures for bookings and new arrivals is 'until further notice', but his assessment is that it is likely to be late December before we have significant rain. Hence the closure period, which can be reviewed and adjusted as necessary.

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: BARRACLOUGH Emma <Emma.Barracrough@des.qld.gov.au>
Sent: Friday, 27 November 2020 2:40 PM
To: DARGUSCH Marc
Cc: CIR Fire Team; CUBIS Mick; BOWMAN Diane; SIEBUHR Leanne
Subject: K'Gari Camping areas_CLOSED

Hi Marc,

Confirming all QPWS campgrounds on K'gari have now been closed in the booking system until 2nd January as requested by Mick.
Will send out notifications to all booking holders and update the Park Alert when we receive approved wording.

Thanks

Emma

Emma Barracrough
A/Assistant Principal Ranger | Technical Support
Coastal and Islands Region / QPWS & Partnerships
Department of Environment and Science



Published on DES Disclosure Log
RTI Act 2009

Date : 28/11/2020 4:12:49 AM

From : "DARGUSCH Marc"

To : "James Haig"

Cc : "'Madolyn Peters'", "BROOK Scott"

Subject : Communication with residents groups

Attachment : image001.png;image002.png;image003.png;

Hi James – It might be worth sending an email to the three representative residents groups on K'gari to reinforce stance/facilitate getting the message out to landlords that 'new visitors' are not able to come to K'gari. The contact details are:

- Fraser Island Association: [Personal information] President: [Personal information]
- Happy Valley Community Association: [Personal information] Communications Officer: [Personal information]
- Orchid Beach Progress Association: [Personal information], President: [Personal information]

Besides including the standard messaging that has been used I suggest including the below message so that landlords understand what those who intended renting from them have been sent. I'd also refer them to both QFES and DES websites.

Regards, Marc



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.



IMPORTANT INFORMATION: K'gari (Fraser Island) fire update for permit holders

Good afternoon

You are receiving this email as you have been identified as holding a camping or vehicle access permit for K'gari (Fraser Island), Great Sandy National Park.

The Queensland Fire and Emergency Services (QFES) and Queensland Parks and Wildlife Service (QPWS) are currently involved in firefighting operations on the island.

QFES has assessed the situation in conjunction with QPWS and decided to restrict access to the island due to erratic and difficult conditions expected in coming days.

As at 5pm 27 November, **VISITOR access to the island will be restricted until further notice. This applies to all new incoming visitors.**

Bookings from tomorrow and onwards will be cancelled. If you have a camping and associated vehicle access permit booked to visit K'gari and are not able to access the island, you will receive a refund. Permit holders are also able to manage their booking any time via www.qld.gov.au/camping.

Kind regards
Online Booking Services



Queensland
Government

IMPORTANT INFORMATION



IMPORTANT INFORMATION: K'gari (Fraser Island) fire update for permit holders

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Kind regards
Online Booking Services

RR

Date : 28/11/2020 4:15:58 AM

From : "DARGUSCH Marc"

To : "James Haig"

Cc : "Madolyn Peters", "BROOK Scott"

Subject : FW: IMPORTANT INFORMATION: K'gari (Fraser Island) fire update for commercial tour permit holders

Attachment : image001.png;image003.png;

Hi James in case you haven't seen this it was sent out yesterday to effectively shut down Commercial Tour Operations (CTOs) on K'gari.

It is very clear.

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: Department of Environment and Science <noreply@des.qld.gov.au>

Sent: Friday, 27 November 2020 5:01 PM

To: Coastal Islands Permits

Subject: IMPORTANT INFORMATION: K'gari (Fraser Island) fire update for commercial tour permit holders

The Department of Environment and Heritage Protection

IMPORTANT INFORMATION: K'gari (Fraser Island) fire update for commercial tour permit holders

Good afternoon

You are receiving this message because our records show that you hold permits to operate in or around K'gari (Fraser Island), Great Sandy National Park.

The Queensland Government is restricting visitor access to K'gari (Fraser Island) in the interest of public safety.

The Queensland Fire and Emergency Services (QFES) and Queensland Parks and Wildlife Service (QPWS) are currently involved in firefighting operations on the island.

QFES has assessed the situation in conjunction with QPWS and decided to restrict access to the island due to erratic and difficult conditions expected in coming days.

From **5pm Friday 27 November 2020**, no new visitors will be allowed onto the island.

All tours on K'gari / Fraser Island are cancelled until further notice.

QPWS campgrounds including Dundubara 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.

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 and the QFES and our partner agencies are doing everything necessary to fight this fire.

Please follow [Queensland Fire and Emergency Services](https://www.qld.gov.au/queensland-fire-and-emergency-services) for updates about K'gari and check the relevant [Park Alerts](https://www.parks.des.qld.gov.au/park-alerts) regularly ([parks.des.qld.gov.au/park-alerts](https://www.parks.des.qld.gov.au/park-alerts) or on Twitter at [@QldParkAlerts](https://twitter.com/QldParkAlerts)) for updates on access arrangements.

We thank you for your continued support and cooperation during this time.

Kind regards

Fiona Wright
Executive Director, Permissions Management
Department of Environment and Science

[The Department of Environment and Heritage Protection](#)

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Published on DES Disclosure Log
RTI Act 2009

Date : 25/11/2020 6:58:35 AM

From : "BEHRENDORFF Linda"

To : "CONNOR Nathan"

Cc : "DARGUSCH Marc" , "'Andrew Marnie'" , "DARGUSCH Anthony" , "BUTTSWORTH Scott" , "rachel.killer@bac-kgari.org" , "YETMAN Brendon" , "HARVEY Peter" , "CIR Fire Team"

Subject : DC_Sitrep - Planning Duling CZ WF LB

Attachment : image001.png;image003.png;

Good Morning Nathan,

Plans for sectors as set out last night. I will advise of any updates through the day. I'm typing up the crew lists next and will send through. Scott Buttsworth will be set up at Dundubara today to assist with logistics and crew movements.

Sitrep to be forwarded after morning mapping. I'll contact you to see you are available for video call to video in on the air ops sitrep.

Plan for southern sector – Sector leader Anthony Dargusch (AD)

- 0500 start A. Dargusch , Mark Page, Geoff (all depart Dundubara 0500 in BLSR vehicle (light attack) – AD to then jump in with Matt B (NSI – 3242) – Both crews tasked with collecting & dispatching standalone pumps on location at Poyungan creek.
- AD to prioritise contractor firebreak work & flag then **Significant cultural information** & machine contractor on site. Site meet with BAC **Personal information**
- BAC **Personal information** to **Significant cultural information** - Buttsworth by 0600 - **Significant cultural information** – will check/plan potential impact at **Significant cultural information**
- Joe and Andrew – 0700 start – pending confirmation from Happy Valley sit rep – to take Rainbow tanker from Happy Valley through to northern road and fall in under AD sector for day shift. Truck mobile and if parked not to be placed in compromising position.
- 1200pm James Kuskie and Alexis , with Cairns Crew x 2 to start & deploy to northern road under AD sector.
- QFES air water assistance available where required.
- ALL CREWS HEADING TO AD SECTOR TO TAKE CORNWELLS BREAK ROAD -

Plan for Eastern sector (Cathedral's HV) – Sector leader Scott Buttsworth (SB)

- 0700 Matt Palmer & Dave Vivian (last shift day) to look after cathedral beach resort & liase with Happy Valley as required via Division Comander (LB)
- Zoe – normal start time – normal duties on ground logistics
- Rocky crews x 2 expected to be leaving rainbow by 0800 – deploy them as required once they arrive at Dundubara. Possibly deployed to Western sector pending requirement.

Plan for Northern sector (Sandy Cape) – Sector leader Sven Lavender (SL)

- 05:00 start – ignition behind houses in small block between houses and garage within precinct.
- ♦ way through completing these – low temp and 77% RH
- SL will check outer fire break to check if western break is better option than from the hill. Firebreak may hold the backing fire heading east.
- SL will advise in 2 hrs.

Thank you for your work and patience last evening- I'm hoping it's in a good space.

Regards,
Linda

'The legacy you leave for colleagues emerging behind you, is how you allow yourself to be treated by others.'



Linda Behrendorff

Ranger in Charge, Natural Resource Management

Great Sandy National Park – K'gari (Fraser Island) & Cooloolo

Coastal and Island Parks - Queensland Parks and Wildlife Service & Partnerships

Department of Environment and Science

P 07 4127 9128

M **Personal**

I acknowledge and pay my respect to Traditional Owners as the Custodians of the Lands and Seas on which I walk, work and live on.

Date : 16/11/2020 5:30:11 PM

From : "BEHRENDORFF Linda"

To : "CIR Fire Team" , "Fire Advice" , "DARGUSCH Marc" , "HARVEY Peter" , "YETMAN Brendon" , "SEELEITHER Jamie" , "EDMED Greg"

Cc : "GREEN John" , "Chris Hanlon" , "Michael Koch" , "BURNS Malcolm" , "KUSKIE James" , "LAVENDER Sven" , "Fitzpatrick.ShaneB[CR]" , "Vurens VanEs.Roland@police.qld.gov.au" , "firecom.kaw@qfes.qld.gov.au" , "Andrew Marnie" , "BULLEY Graeme"

Subject : Duling CZ Wildfire, K'gari 16/11/2020 morning 17:00 SITREP

Attachment : image001.png;image003.png;

Good afternoon all,

Weather conditions: Moderate winds (~20-27 km/hr) from NNE to mid afternoon Easterlies from 21:00 predicted by SABRE.

Sector breakdown:

North Sector (Sandy Cape)

- Fire at Sandy Cape still estimated by air observers yesterday to be several days from the lighthouse. Main fire has a 5.6km front moving easterly south of Lk Maroong easterly towards North Ngkala, flanking traveling towards Browns rocks- air observations to be completed every second day at Sandy cape. Next due Wed.
- Watch and wait – preparing crews for securing infrastructure mid-end of week (3 crews).

South-east sector (currently 1km nth Cathedrals)

- Fire remains 500m north of Cathedral beach. Due to topography, fuel variations and NE influence it has moved closer to Cathedrals. Active fire visible from beachfront.
- QFES Water and gel bombing activities commenced from 15:00 today slowing the progression and heading the northern front into the dune. It is still predicted to come around from the west, around the sand dune.
- Back burning northern edge of Cathedrals outer fire break will be attempted on the SE change tomorrow.
- RFS 12,000 ltr collar tank setup at Cathedral Beach helipad – currently full of water and bore tank at cathedrals quick fill is full this morning.
- Overgrown break reopened 1.3 blade width (prev 4 blade) from Nulla Kunggur SB to the Cathedral's western FB.
- PSPA remains deactivated

South west sector (Woralie to Happy Valley sector)

- Fire is south of Woralie break on Western side and has slowed during the day still around 9.8km from HV. Travelling through centre of island towards the eastern side of the island.
- Head fire remains in tall forest burning towards the south and west around 1.2km from Boomerang lakes area.
- 270m NW of Coomboo Barracks.
- Road closed sign remains erected along Moon Point Rd and Bullock Rd/ Northern Scenic drive intersections; Woralie Road eastern beach closed.
- Slashing / scraping of Dindeir Sand blow firebreak north of Happy Valley completed, Kooloro sand blow break slashing recompleted.
- HV community meeting occurred attendance of 37 people including QPWS&P, QFES, QPS, QAS, RFB and landholders including Eurong.
-

Dundubara sector (Dundubara sth)

- Fire was nursed and tied-off/secure edge early evening to prevent risk of SE wind change causing ember attack upon the base/campground and infrastructure. It's still mooching around and being patrolled.
- Still expecting active fire south of Indian Head and several kilometres north and south of Dundubara

IMT

- QFES support officers on site
- Extra QPS assistance on island
- Smoke alert issued Saturday
- FLAME / Firecom updated 16:00

IC

DAY

Sunday PM– Tuesday Linda Behrendorff

NIGHT as required.

Logistics Support

Mid Monday – Thursday Grahame Bully

-

Ground Crews – Tuesday

Day

0 X SMU

1 BAC

1 NMU

2 X RFS 41's

1 X RFS 51's

Night

1 X NMU/NRM

2x NMU

2 x NSI

2 X RFS 51's on standby

Nil incoming crews

Monday – Friday 1 X NSI crew + 1 Logistics Officer / IC Support

Monday – Thursday 1X BAC

Mapping to be sent by QFES

Thank you for your assistance.

'The legacy you leave for colleagues emerging behind you, is how you allow yourself to be treated by others.'



Linda Behrendorff

Ranger in Charge, Natural Resource Management
Great Sandy National Park – K'gari (Fraser Island) & Cooloolool
Coastal and Island Parks - Queensland Parks and Wildlife Service & Partnerships
Department of Environment and Science

P 07 4127 9128

M **Personal**

I acknowledge and pay my respect to Traditional Owners as the Custodians of the Lands and Seas on which I walk, work and live on.

Date : 17/11/2020 4:38:38 PM

From : "BEHRENDORFF Linda"

To : "CIR Fire Team", "Fire Advice", "DARGUSCH Marc", "HARVEY Peter", "YETMAN Brendon", "SEELEITHER Jamie", "EDMED Greg", "CUBIS Mick", "CAMBOURN Neil"

Cc : "GREEN John", "Chris Hanlon", "Michael Koch", "BURNS Malcolm", "KUSKIE James", "LAVENDER Sven", "Fitzpatrick.ShaneB[CR]", "Vurens VanEs.Roland@police.qld.gov.au", "firecom.kaw@qfes.qld.gov.au", "Andrew Marnie", "BULLEY Graeme", "MCLAUGHLIN Marty", "paul.clackett@ambulance.qld.gov.au"

Subject : Duling CZ Wildfire, K'gari 17/11/2020 afternoon 15:00 SITREP

Attachment : image004.png;image003.jpg;image005.jpg;image010.jpg;image011.png;

Good afternoon all,

Weather conditions: Moderate winds (~15-22 km/hr) from NNW to 13:00 turning NNE 13:00-16:00 (28km/hr) then NE to 11km/hr. Easterlies from 21:00 predicted by SABRE.

Sector breakdown:

North Sector (Sandy Cape)

- Fire at Sandy Cape still estimated by air observers yesterday to be several days from the lighthouse. Main fire has a 5.6km front moving easterly south of Lk Maroong moving towards North Ngkala, flanking traveling towards Browns rocks- air observations to be completed every second day at Sandy cape. **Next obs due tomorrow (Wed).**
- Watch and wait – preparing crews for securing infrastructure towards Friday (3 crews+1 SC).
- SMAEC prepared.

South-east sector (currently 100m nth Cathedrals)

- Fire has reactivated north of Cathedral beach and is moving out along the beachfront. Due to topography, fuel variations and NE influence it has continued to moved westerly and around the northern dune.
- Previous QFES Water and gel bombing activities commenced from 15:00 yesterday initially slowing the progression and heading the northern front into the dune. It is still predicted to come around from the west, around the sand dune.
- Back burning northern edge of Cathedrals outer fire break will be attempted if required this evening and monitoring of the veg finger on western section between the southern and northern sand dunes..
- RFS 12,000 ltr collar tank setup at Cathedral Beach helipad – currently full of water where required.
- Overgrown break reopened 1.3 blade width (prev 4 blade) from Nulla Kunggur SB to the Cathedral's western FB.
- PSPA remains deactivated- removal of personnel occurring as required.

South west sector (Woralie to Happy Valley sector)

- Fire is south of Woralie break on Western side northern of Coomboo & Boomerang Lk area still moving SE toward HV and has reached the rainforest veg through centre of island towards the eastern side of the island.
- Fire should have remained north of Moon Pt. it is burning SE away from the Boomerang lakes area (taken from Landgate – firewatch.
- Sentinel and NAFI indicate it may have crossed Moon Pt Rd – this is being investigated by air ops.
- 200m off Moon Pt and will cross this afternoon.
- Air ops has been suspended due to visibility
- Will advise of Coomboo Barracks when able.
- Logistics occurring for mulching plant and equipment contracted for Moon Pt Rd to assist in mitigating fire crossing the track from 11am tomorrow (pending flame already crossing Moon Pt Rd). **Significant cultural information - 1**
- Road closed sign remains erected along Moon Point Rd and Bullock Rd/ Northern Scenic drive intersections; Woralie Road eastern beach closed.
- Slashing / scraping of Dindeir Sand blow firebreak north of Happy Valley completed, Kooloro sand blow break slashing recompleted.
- Happy Valley Road requested slashed and prepped as back up for Moon Pt rd breach.

Dundubara sector (Dundubara sth)

- Being monitored and still mooching around and being patrolled.
- Still expecting active fire south of Indian Head and several kilometres north and south of Dundubara.
- Hot spots SE of Indian Head investigated this morning – nothing of concern at present.

Media – DES media can contact QFES media for imagery.

IMT – recommend ramping up

- 2 QFES support officers on site
- Extra QPS assistance on island
- FLAME / Firecom updated 16:00

IC

DAY

Sunday PM– Wednesday Linda Behrendorff

Wed–Sun - TBA.

Logistics Support

Mid Monday – Thursday Grahame Bully

Jenna Tapply recalled Tues

CIR Fire team resources allocated to Duling WF

-

Ground Crews – Tuesday

Day

0 X SMU

1 BAC

1 NMU

2 X RFS 41's

-

Night – Currently at Cathedrals.

1 X NMU/NRM

2x NMU

2 x NSI

2x RFS 41

2 X RFS 51's on standby

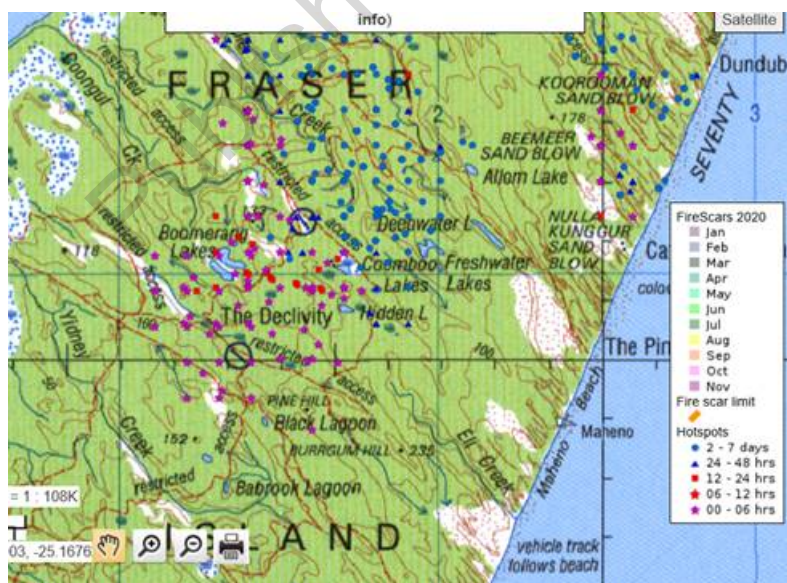
Incoming crews – TBA

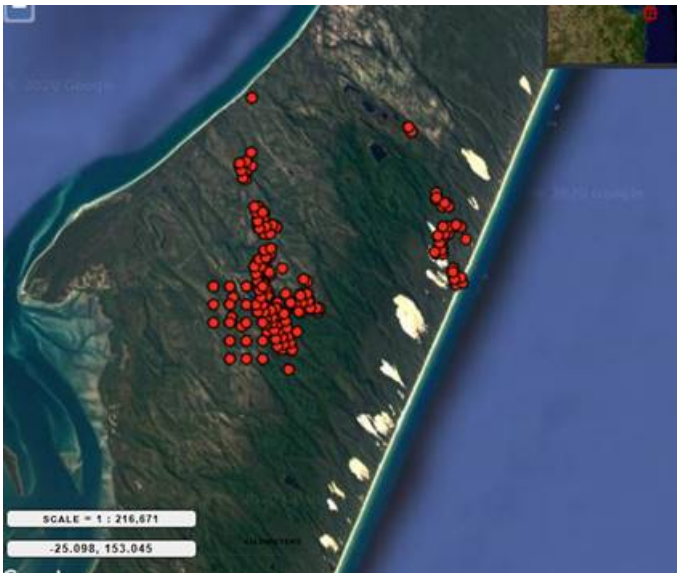
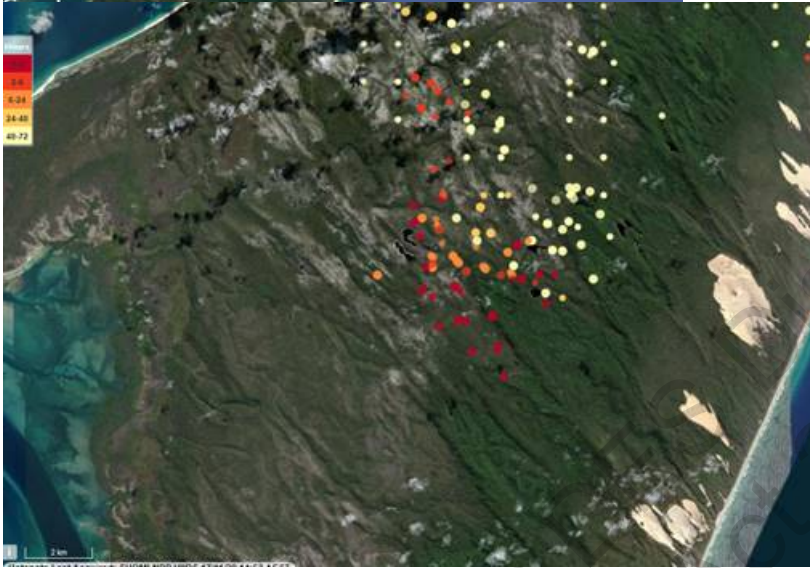
CIR team sourcing 4 x Crew for SW sector and 3 crew for SC sector

SMU x 1

-

Thank you for your assistance.





'The legacy you leave for colleagues emerging behind you, is how you allow yourself to be treated by others.'



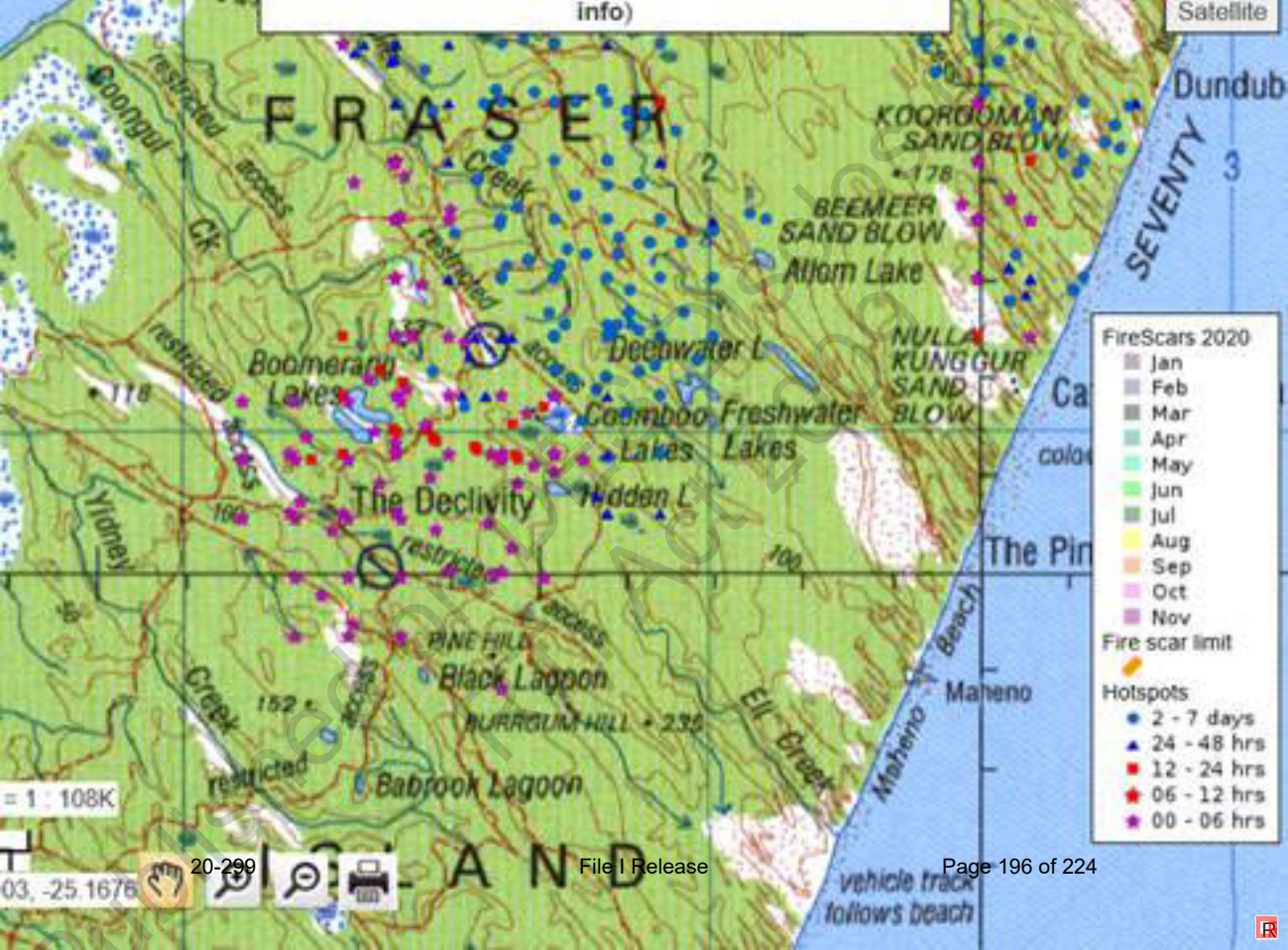
Linda Behrendorff

Ranger in Charge, Natural Resource Management
Great Sandy National Park – K'gari (Fraser Island) & Cooloolo
Coastal and Island Parks - Queensland Parks and Wildlife Service & Partnerships
Department of Environment and Science

P 07 4127 9128

M **Personal info**

I acknowledge and pay my respect to Traditional Owners as the Custodians of the Lands and Seas on which I walk, work and live on.



Date : 15/11/2020 2:39:55 PM

From : "BEHRENDORFF Linda"

To : "CIR Fire Team" , "Fire Advice" , "DARGUSCH Marc" , "HARVEY Peter" , "YETMAN Brendon" , "SEELEITHER Jamie" , "EDMED Greg"

Cc : "GREEN John" , "Chris Hanlon" , "Michael Koch" , "BURNS Malcolm" , "KUSKIE James" , "LAVENDER Sven" , "Fitzpatrick.ShaneB[CR]" , "Vurens VanEs.Roland@police.qld.gov.au" , "firecom.kaw@qfes.qld.gov.au" , "Andrew Marnie" , "TAPPLY Jenna"

Subject : Duling Wildfire 16:30 SITREP

Attachment : image001.png;image002.png;

Good afternoon all,

Weather conditions: Moderate winds (~20-25 km/hr) from NNW to NNE today and low- mod fire danger predicted by SABRE. Slight SE change tomorrow early morning.

Sector breakdown:

North Sector (Sandy Cape)

- Fire at Sandy Cape still estimated by air observers yesterday to be several days from the lighthouse, main fire is burning South East back towards North Ngkala, flanking traveling towards Browns rocks- air observations to be completed every second day at Sandy cape. Next due tomorrow. Situation predicted to change with SE change.
- Watch and wait – preparing crews for securing infrastructure mid-end of week (3 crews).

South-east sector (currently 1km nth Cathedrals)

- Fire is 1 K north of Cathedral beach due to topography and fuel variations has moved only 200 overnight along beachfront which at present has active fire visible from beachfront. Fire may still take over a day to reach cathedrals northern side.
- Still unable to Backburn northern edge of Cathedrals outer fire break due to stronger winds throughout evening
- RFS 12,000 ltr collar tank setup at Cathedral Beach helipad – currently full of water and bore tank at cathedrals quick fill is full this morning.
- Overgrown break reopened 1.3 blade width (prev 4 blade) from Nulla Kunggur SB to the Cathedral's western FB.
- PSPA deactivated
- Watch and await and attempt to back-burn as condition allow.

South west sector (Woralie to Happy Valley sector)

- Fire is south of Woralie break on Western side fire is travelling through centre of island to the eastern side of the island.
- Head fire remains in tall forest burning towards the south east still around Freshwater (Butterfly) lakes area, flanking fire is of moderate intensity burning to south.
- Coomboo Barracks still not affected, fire is approximately 800m away (flanking fire) crews have secured site.
- Road closed erected along Moon Point Rd and Bullock Rd/ Northern Scenic drive intersections; Woralie Road eastern beach closed.
- Slashing / scraping of Dindeir Sand blow firebreak north of Happy Valley completed, Kooloro sand blow break slashing completed

Dundubara sector (Dundubara sth)

- Backing fire travelling north back into Dundubara expected to reach Dundubara Creek this evening. Watch and wait then tie-off or secure edge as required in the evening with higher humidity and reduced wind conditions. Risk of SE wind change causing ember attack upon the base/campground and infrastructure.
- Still expecting active fire south of Indian Head and several kilometres north and south of Dundubara

IMT

- QFES support officers on site
- Extra QPS assistance on island
- Smoke alert issued Saturday
- FLAME / Firecom updated 13:00

IC

DAY

Sunday AM Sven Lavender

Sunday PM– Tuesday Linda Behrendorff

NIGHT as required.

Sunday James Kuskie

Logistics Support

Saturday – Mid Monday Jenna Tapply

Mid Monday – Thursday Grahame Bully

DayDay

2 X SMU

◆ NMU

2 X RFS 41's

2 X RFS 51's on standby

Night

1 X BLSR

1 X NMU

1 X NSI

◆ NMU IC / Machinery operator

2 X RFS 51's on standby

Incoming crews

Monday – Friday 1 X NSI crew + 1 Logistics Officer / IC Support

Monday – Thursday 1X BAC

Thank you for your assistance.

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Linda Behrendorff

Ranger in Charge, Natural Resource Management
Great Sandy National Park – K'gari (Fraser Island) & Cooloola
Coastal and Island Parks - Queensland Parks and Wildlife Service & Partnerships
Department of Environment and Science

P 07 4127 9128

M **Personalia**

I acknowledge and pay my respect to Traditional Owners as the Custodians of the Lands and Seas on which I walk, work and live on.

Date : 6/11/2020 9:50:27 AM

From : "BEHRENDORFF Linda"

To : "CIR Fire Team" , "Fire Advice" , "DARGUSCH Marc" , "HARVEY Peter" , "YETMAN Brendon"

Cc : "TOMS Merv" , "PALMER Matt" , "GREEN John" , "VIVIAN David" , "Chris Hanlon" , "Michael Koch" , "BURNS Malcolm" , "KUSKIE James" , "LAVENDER Sven" , "SEELEITHER Jamie" , "Fitzpatrick.ShaneB[CR]" , "VurensVanEs.Roland@police.qld.gov.au"

Subject : DulingCZ WF K'gari - Friday 6.11.2020 morning 9:00 SITREP

Attachment : Weather 6 Nov 2020.pdf;image001.png;image002.png;

Good morning all,

Friday 6.11.2020 Morning 0900 SITREP

- Winds have turned Southerly this morning as per forecast and predicted to remain ESE -Tues.
- Internet and mobile phones still intermittent at Dundubara
- **Orchid Beach township** - Active fire still present ~1-2km SE of Telstra Tower. Fire burnt back into the IZone of the Platypus Bay Road fireblock. Has been checked this morning and is out with smouldering logs– being monitored by RFS and QPWS staff.
- Main fire still within **2k from Awinya break**, travelling in Westerly direction. Smoke vertical this morning. Fire looks to have advanced to the main ridge above Jim's hill (B).
- Remote sensing and observations show fire active from Bowal creek to south of Wyuna in the east visible, and at Rooney's point
- **5.5 crew are at Dundubara and 1 more arriving this morning** (Cooloola x 2, SMU x 1.5 NMU x 1+NRM).
- Planned to patrol Awinya FB daily
- Dundubara, **Zone 7 and western beach camping areas CLOSED** till further notice. Di checking booking system still providing permits for the closed western beach camp zones.
- **Strategy** - Contain any active fire north of Awinya control line.
- **Main threat** - fire has settled and is being influenced by ESE winds. Still several patches of active fire north of Awinya Firebreak mainly in more densely timbered country at present. A wide front is still shown by NAFI hotspot imagery . **Wind is currently ESE** for rest of week to Tuesday – Easterly influences Wed and changing to Northerly Thursday.
- Northern side of firebreak has low – mod fuel loads due to planned burn completed four years ago.
- **Firebreak slashing complete** along Awinya FB from Dundubara to Western beach.

FRIDAY mitigation tactics

- **6 Crews prepared** (Cooloola x 2, SMU x 2 NMU x 1, NRM x 1)
- **Tactics** – Monitoring chance of fire crossing Awinya firebreak ~ 1.5km from Jim's hill at present. Teams to be mobilised to undertake strategic spot back burn operations from 13:00 for eastern sector Between A and B. East dune to 4km including log dump area.
- **Saturday** – Continue fire ops to exploration break.
- **Fall back** – Bowarrady Firebreak has been pre-emptively swept out to Awinya Link Road intersection

Resource Planning

IC

Wed - Sat – Linda Behrendorff

Sun-Tues – Matt Palmer

Wed – Sven Lavender

Logistics Support

Jenna Tapply

Dave Vivian

-

Ground Crews

1.5 x NMU (Thurs-Sun)

2x SMU (Thurs-Sun)

1 x NRM (Fri – Mon)

1x Cooloola Nth (Thurs-Sun)

1x Cooloola Sth (Thurs-Sun)

Preparation for next shift

Organise replacement from SMU and NRM depending on requirement for possible burning of Exploration Break to Awinya Creek.

Thank you all for the ongoing work and support received and offered in this wildfire space.

'The legacy you leave for colleagues emerging behind you, is how you allow yourself to be treated by others.'



Linda Behrendorff

Ranger in Charge, Natural Resource Management

Great Sandy National Park – K'gari (Fraser Island) & Cooloolool

Coastal and Island Parks - Queensland Parks and Wildlife Service & Partnerships

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M **Personal info**

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Forecast for Fraser Island

See text views for location

Forget location

	Fri. 6 Nov	Sat. 7 Nov	Sun. 8 Nov	Mon. 9 Nov	Tue. 10 Nov	Wed. 11 Nov	Thu. 12 Nov
Max (°C)	30	29	28	28	29	30	31
Min (°C)	—	18	18	17	17	17	18
Chance of rain (%)	—	5	20	20	10	5	5
Rainfall range (mm)	—	0	0	0	0	0	0
Issued 06 Nov 2020	Hide	Detail	Detail	Detail	Detail	Detail	Detail

Friday

	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	10.00 PM
Temperature (°C)	—	—	22	29	29	26	23	21
Wind direction	—	—	SSW ↑	SSW ↑	SSE ↑	ESE ←	ESE ←	E
Wind speed	—	—	33	30	30	30	35	28
☒ km/h ☐ knots								

Saturday

	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	10.00 PM
Temperature (°C)	18	18	22	28	29	25	21	19
Wind direction	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←
Wind speed	22	24	24	26	26	30	33	31
☒ km/h ☐ knots								

Sunday

	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	10.00 PM
Temperature (°C)	18	18	22	28	27	24	20	19
Wind direction	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←
Wind speed	30	33	35	37	39	41	41	39
☒ km/h ☐ knots								

Monday

	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	10.00 PM
Temperature (°C)	17	17	21	27	27	23	19	19
Wind direction	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←
Wind speed	39	39	39	41	37	35	35	33
☒ km/h ☐ knots								

Tuesday

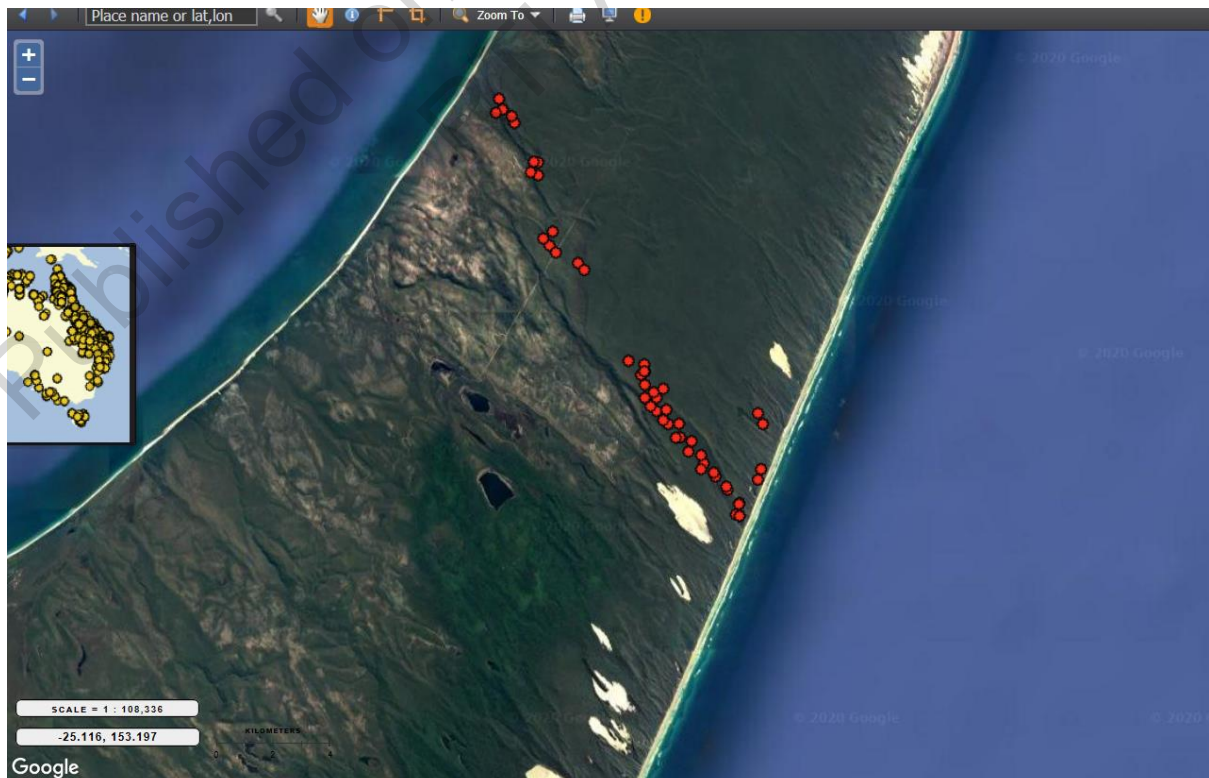
	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	10.00 PM
Temperature (°C)	17	17	22	28	28	25	20	19
Wind direction	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←
Wind speed ● km/h ○ knots	30	26	30	28	28	28	28	20

Wednesday

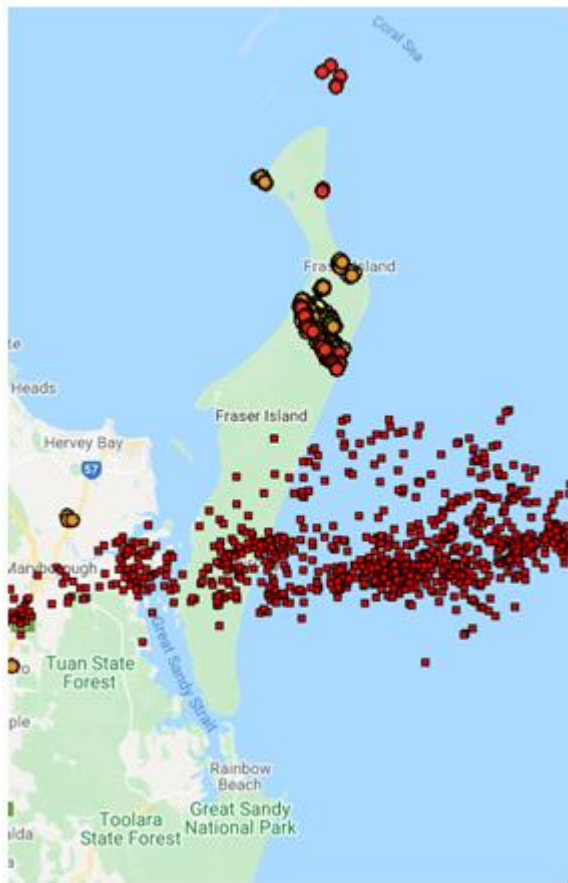
	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	10.00 PM
Temperature (°C)	18	17	22	29	29	26	21	20
Wind direction	ESE ←	E ←	ESE ←	ESE ←	E ←	E ←	ENE ←	ENE ←
Wind speed ● km/h ○ knots	17	17	17	17	19	22	24	22

Thursday

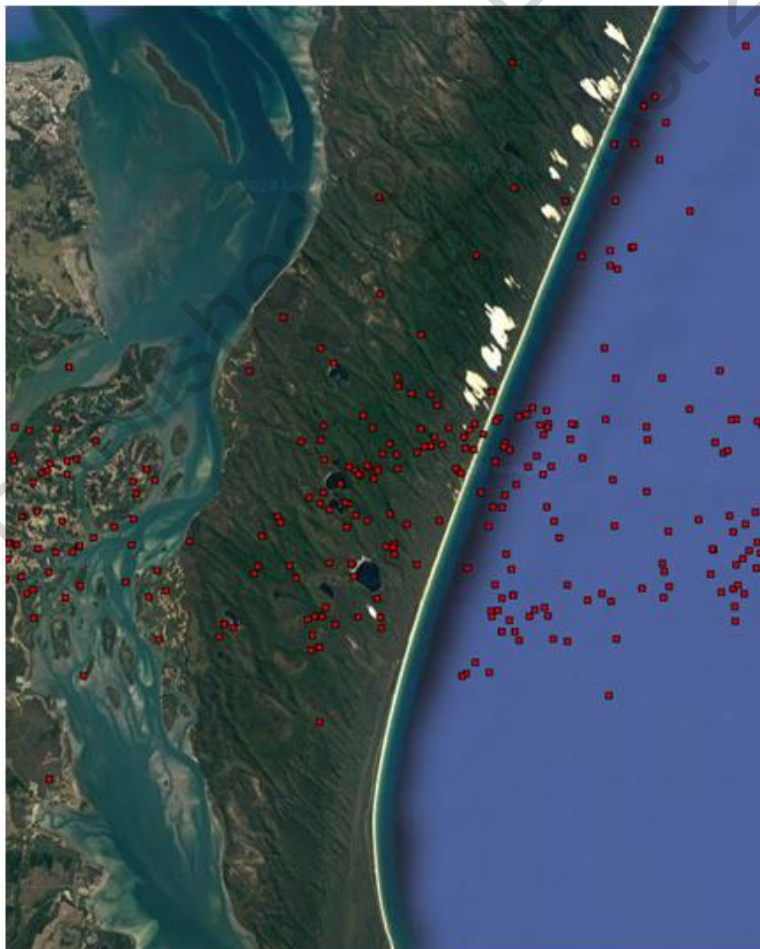
	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	10.00 PM
Temperature (°C)	19	18	23	30	30	27	23	22
Wind direction	NE ↙	NNE ↙	NNE ↙	N ↓	N ↓	N ↓	N ↓	NNE ↙
Wind speed ● km/h ○ knots	22	19	20	20	22	24	26	24



Lightning strikes – storm overnight 6/11/2020



Lightning strikes – storm overnight 6/11/2020



Date : 5/11/2020 3:49:11 PM

From : "BEHRENDORFF Linda"

To : "CIR Fire Team" , "Fire Advice" , "DARGUSCH Marc" , "HARVEY Peter" , "YETMAN Brendon"

Cc : "TOMS Merv" , "PALMER Matt" , "GREEN John" , "VIVIAN David" , "Chris Hanlon" , "Michael Koch" , "BURNS Malcolm" , "KUSKIE James" , "LAVENDER Sven" , "SEELEITHER Jamie"

Subject : DulingCZ WF K'gari - Thursday 5.11.2020 afternoon 14:30 SITREP-update

Attachment : image001.png;image002.png;

SITREP 14:30

- QFES Air operations advised fire is ~3km from sand blow travelling in a SE direction and not expected to cross the break today (images attached)
- NNW wind change expected to slightly change the direction of the front in a southerly direction.
- Crews are traversing the line as a famil for tomorrows proposed activities and expected to return via Bowarady firebreak.
- Truck to remain at the Bowarady link road.
- Sprinklers running on the northern Dundubara accommodation
- Image 1708 is Orchid Beach activity within the burn block and protected by mitigation burn.

Proposed activity

Watch and wait until tomorrows wind change.

Proceed with original proposal if approved – spot light on southerly winds between Milby's dune and Jim's corner.

Dundubara issues won't allow me to send images mentioned within.

'The legacy you leave for colleagues emerging behind you, is how you allow yourself to be treated by others.'



Linda Behrendorff

Ranger in Charge, Natural Resouce Management

Great Sandy National Park – K'gari (Fraser Island) & Cooloola

Coastal and Island Parks - Queensland Parks and Wildlife Service & Partnerships

Department of Environment and Science

P 07 4127 9128

M Personal

I acknowledge and pay my respect to Traditional Owners as the Custodians of the Lands and Seas on which I walk, work and live on.

Date : 5/11/2020 10:25:08 AM

From : "BEHRENDORFF Linda"

To : "CIR Fire Team" , "Fire Advice" , "DARGUSCH Marc" , "HARVEY Peter" , "YETMAN Brendon"

Cc : "TOMS Merv" , "PALMER Matt" , "GREEN John" , "VIVIAN David" , "Chris Hanlon" , "Michael Koch" , "BURNS Malcolm" , "KUSKIE James" , "LAVENDER Sven" , "SEELEITHER Jamie"

Subject : DulingCZ WF K'gari - Thursday 5.11.2020 Morning 0900 SITREP

Attachment : Awinya Duling CZ WF 20201105.docx;image001.png;image002.png;

Good morning all,

Wednesday 5.11.2020 Morning 0900 SITREP

- Winds have turned northerly overnight, expected to return southerly Friday through to Tuesday with 20% possible rain Sat-Tues.
- Internet and mobile phones still intermittent at Dundubara
- Active fire still present and may flare today south west / west of **Orchid Beach township** burning between burnt country – being monitored by RFS and QPWS staff.
- Main fire still approximately **3k from Awinya break**, still travelling in Nth Westerly direction into patches of unburnt ground. Hot spots have decreased increased since yesterday and are being monitored. Smoke at Dundubara this morning with northerly change. Two spots advancing to the high east ridge.
- Remote sensing and observations still showing fire active in centre of island between Burad camping zone and Towoi creek visible, and at Rooney's point
- **5 Crews are arriving this morning** (Cooloola x 2, SMU x 2 NMU x 1).
- Planned to patrol Awinya FB daily
- Dundubara, **Zone 7 and western beach camping areas CLOSED** till further notice. Di checking booking system still providing permits for the closed western beach camp zones.
- Wathumba campground and Teebing camping area reopened (park alert updated)
- **Strategy** - Contain any active fire north of Awinya control line.
- **Main threat** - fire being pushed by **strong northerly winds**. Still several patches of active fire north of Awinya Firebreak mainly in more densely timbered country at present. Yesterday images indicate a wide front as also shown by hotspot imagery attached. **Wind is currently NNW-NW changing to E/SE mid Friday** for rest of week to Tuesday.
- Northern side of firebreak has low – mod fuel loads due to planned burn completed four years ago.
- **Firebreak slashing complete** along Awinya FB from Dundubara to Western beach.
- **6 Crews prepared for Friday** (Cooloola x 2, SMU x 2 NMU x 1, NRM x 1)
- **Tactics** – Monitoring chance of fire crossing Awinya firebreak with strong northerlies by Friday, however teams as above are mobilised to Dundubara by midmorning to watch and wait.
- **Awaiting burn proposal tactics** SMEAC Fri-Sun tactic proposal sent for discussion and consideration late yesterday to undertake back burn operations from Friday afternoon to ensure entire black edge post southerly wind change (likely to be from Friday afternoon onwards).
- **Prep work** to be continued around log dump and proposed light-up areas.
- **Fall back** – Bowarrady Firebreak has been pre-emptively swept out to Awinya Link Road intersection

Resource Planning

IC

Wed - Fri – Linda Behrendorff

Sat-Sun Linda or TBA

Logistics Support

Jenna Tapply – Di Bowman

-

Ground Crews

Personal information leaving one crew on NMU from Wednesday to Friday

Additional crews from SMU (2); NRM (1) and Cooloola (2) + IC being sourced for Thursday-Sunday.

Thank you all for the ongoing work and support received and offered in this wildfire space.

'The legacy you leave for colleagues emerging behind you, is how you allow yourself to be treated by others.'



Linda Behrendorff

Ranger in Charge, Natural Resource Management

Great Sandy National Park – K'gari (Fraser Island) & Cooloolo

Coastal and Island Parks - Queensland Parks and Wildlife Service & Partnerships

Department of Environment and Science

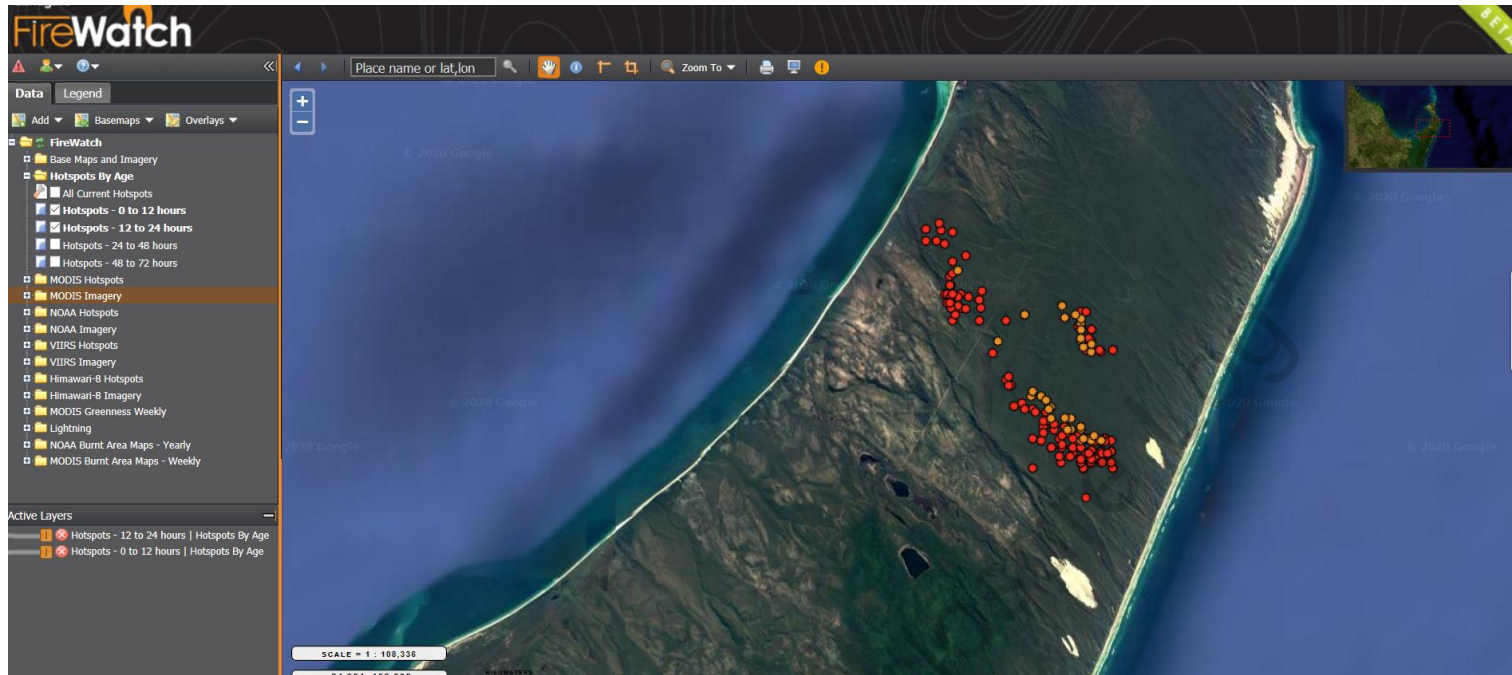
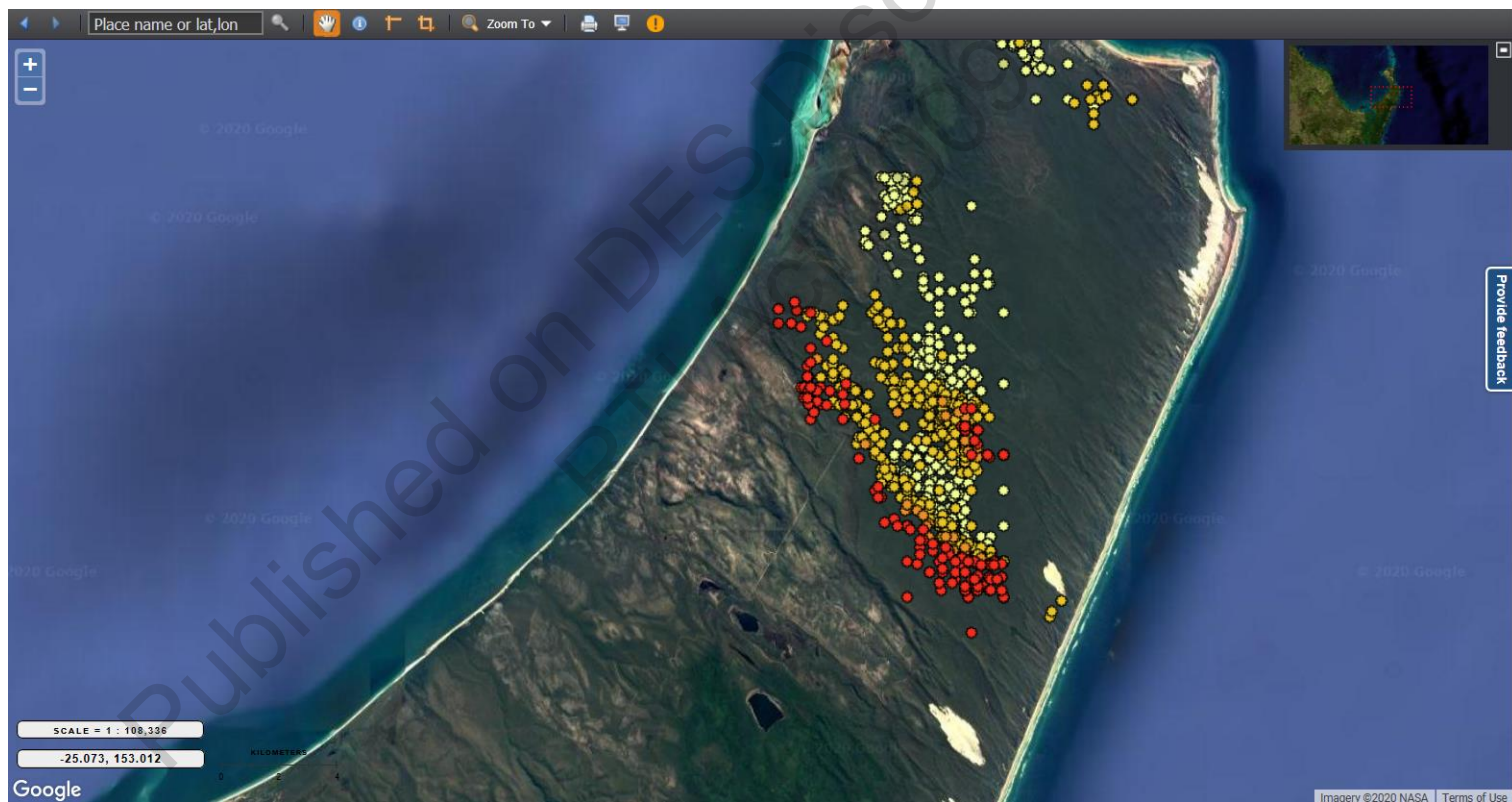
P 07 4127 9128

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FireWatch 0-12 hours 5/11/2020 Duling CZ WF-K'gari



Forecast for Fraser Island

See text views for location

Forget location

	Thu. 5 Nov	Fri. 6 Nov	Sat. 7 Nov	Sun. 8 Nov	Mon. 9 Nov	Tue. 10 Nov	Wed. 11 Nov
Max (°C)	31	30	29	29	28	29	30
Min (°C)	—	19	17	18	17	17	17
Chance of rain (%)	—	0	20	20	20	20	10
Rainfall range (mm)	—	0	0	0	0	0	0
Issued 05 Nov 2020	Hide	Detail	Detail	Detail	Detail	Detail	Detail

Thursday

	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	10.00 PM
Temperature (°C)	—	—	23	30	31	28	25	24
Wind direction	—	—	NNW	NW	NW	NNW	NNW	NNW
Wind speed	—	—	17	24	28	30	31	31
☒ km/h ☐ knots								

Friday

	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	10.00 PM
Temperature (°C)	21	19	23	30	29	25	21	19
Wind direction	WNW	WSW	SSW	S	SSE	ESE	ESE	E
Wind speed	26	24	31	33	31	33	33	26
☒ km/h ☐ knots								

Requested light up time for proposed mitigation backburn.

Saturday

	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	10.00 PM
Temperature (°C)	17	17	22	28	29	25	20	19
Wind direction	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	E ←
Wind speed ● km/h ○ knots	20	20	20	24	24	24	28	24

Sunday

	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	10.00 PM
Temperature (°C)	18	18	22	28	28	24	21	19
Wind direction	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←
Wind speed ● km/h ○ knots	26	31	33	37	37	39	43	41

Monday

	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	10.00 PM
Temperature (°C)	18	17	21	27	27	24	20	18
Wind direction	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←
Wind speed ● km/h ○ knots	37	35	37	37	37	37	37	28

Tuesday

	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	10.00 PM
Temperature (°C)	17	17	21	28	28	25	20	19
Wind direction	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←	ESE ←
Wind speed ● km/h ○ knots	26	24	24	26	26	24	24	20

Wednesday

	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	10.00 PM
Temperature (°C)	18	17	22	29	29	26	22	21
Wind direction	ESE ←	E ←	E ←	E ←	E ←	E ←	ENE ←	ENE ←
Wind speed ● km/h ○ knots	17	17	17	17	17	17	20	20

MCDONNELL Brydn

From: HEAD Damien
Sent: Wednesday, 2 December 2020 11:06 AM
To: MCDONNELL Brydn
Subject: FW: Cost of Air Craft and Use on K'GARI (FRASER)

From: HEAD Damien
Sent: Sunday, 22 November 2020 11:51 AM
To: Tony Johnstone
Cc: CAMBOURN Neil; CUBIS Mick; KLAASSEN Ben
Subject: Re: Cost of Air Craft and Use on K'GARI (FRASER)

Tony

Thanks for you time this morning. To confirm the QPWS will cover the costs of any requested aerial support. The nature of the aerial support needed will be confirmed through the onground IMT.

Appreciate outlining the costs.

QPWS will continue to evaluate the tactics and monitor their effectiveness to inform the ongoing requirement for aerial support each day.

Regards
dAmien

Sent from my iPhone

On 22 Nov 2020, at 11:41 am, Tony Johnstone <Tony.Johnstone@qfes.qld.gov.au> wrote:

Damien,

Thanks for your time this morning.

For transparency, below is an extract from an email in regards to using air assets on K'GARI (FRASER)

-
- For the purposes of being able to apply timely application of resources QPWS are happy to allow engagement of high-level air resources if an effective strategy can be determined.
 - The area of highest priority/concern is the area south of the Moon Point Track and west of the Northern Road. My understanding is that an ***effective strategy for managing this area is as follows:***
 - Use of LAT + 802 waterbombers/gel to be used where environmental concerns can be addressed.
 - Specific tactics:
 - Squeeze flank northwards from south.
 - Black-out backing fire (to west).

- Back-up Fireline control work by ground crews.
- ***This is not confirmation that QPWS will pay for the above air resourcing. Payment to be sorted out at a high level between DES and QFES.***

Other areas of concern which are currently a lesser priority than the above are also being adequately managed by the IMT and are listed below:

- Moon Point Road east of the Northern road.
- The area around Cathedrals on Fraser.
- Sandy Cape lighthouse.

As discussed on the phone:

- The Large Air Tanker (LAT) is worth \$10,000 per hour plus product . (\$700 for Gel)
- 802 Air Tractor (wheels) \$3000 per hour
- 802 Fire Boss (803 with floats) \$5,500 per hour.

A Fire Boss is more effective if water is close by, they can also pick upsalt water if authorised. 802 will have to be resupplied through an air base, so there can be some delays.

As indicated this morning you are happy for the cost of the aircraft as described in the strategy above to be costed to QPWS.

I have also attached a copy of a map that shows the fire which I believe the above strategy is to be used on.

Any concern please let me know.

Regards

Tony Johnstone

Chief Superintendent

Director Regional Coordination Rural Fire Service

Queensland Fire and Emergency Services

P 07 3635 3835 M Personal information

<image001.jpg>

Classified as OFFICIAL

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RTI Act 2009

Date : 18/11/2020 11:27:58 AM

From : "BEHRENDORFF Linda"

To : "MIDTAUNE Kristiane"

Subject : FW: Duling CZ Wildfire, K'gari 18/11/2020 morning 9:00 SITREP

Attachment : QPWS_A3_20201118_0830_Great Sandy National Park.pdf;FW: SW Sector Air Obs Update;Fire Behaviour Overview.pdf;Day 3 & 4 Forecast Weather Summary (2).pdf;Day 1 & 2 Forecast Weather Summary.pdf;image004.png;image001.png;image008.jpg;image010.jpg;image012.jpg;image003.jpg;image005.png;image006.png; FYI,

Thank you for all your support. Matt Davies is IC from here but still send me updates as I'll no doubt be in the hot seat again.
L.

'The legacy you leave for colleagues emerging behind you, is how you allow yourself to be treated by others.'



Linda Behrendorff

Ranger in Charge, Natural Resource Management

Great Sandy National Park – K'gari (Fraser Island) & Cooloola

Coastal and Island Parks - Queensland Parks and Wildlife Service & Partnerships

Department of Environment and Science

P 07 4127 9128

M **Personal**

I acknowledge and pay my respect to Traditional Owners as the Custodians of the Lands and Seas on which I walk, work and live on.

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

Sent: Wednesday, 18 November 2020 11:17 AM

To: William Gretton

Cc: BEHRENDORFF Linda

Subject: FW: Duling CZ Wildfire, K'gari 18/11/2020 morning 9:00 SITREP

Hi Will

As per other email trail Linda has been updated re the change.

Cheers

Andrew

Andrew Marnie

Bushfire Safety Office

North Coast Region

Queensland Rural Fire Service

Mobile **Personal**



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From: BEHRENDORFF Linda <linda.behrendorff@des.qld.gov.au>

Sent: Wednesday, 18 November 2020 11:03 AM

To: CIR Fire Team <CIR.fireteam@des.qld.gov.au>; Fire Advice <Fire.Advice@des.qld.gov.au>; DARGUSCH Marc <Marc.dargusch@des.qld.gov.au>; HARVEY Peter <Peter.Harvey@des.qld.gov.au>; YETMAN Brendon <brendon.yetman@des.qld.gov.au>; SEELEITHER Jamie <Jamie.Seeleither@des.qld.gov.au>; EDMED Greg <Greg.edmed@des.qld.gov.au>; CUBIS Mick <Mick.Cubis@des.qld.gov.au>; CAMBOURN Neil <Neil.Cambourn@des.qld.gov.au>

Cc: GREEN John <John.Green@des.qld.gov.au>; Chris Hanlon <Chris.Hanlon@qfes.qld.gov.au>; Michael Koch <Michael.Koch@qfes.qld.gov.au>; BURNS Malcolm <Malcolm.Burns@des.qld.gov.au>; KUSKIE James <James.Kuskie@des.qld.gov.au>; LAVENDER Sven <Sven.Lavender@des.qld.gov.au>; Fitzpatrick.ShaneB[CR] <Fitzpatrick.ShaneB@police.qld.gov.au>; VurensVanEs.Roland@police.qld.gov.au; Firecom Kawana <FireCom.KAW@qfes.qld.gov.au>; Andrew Marnie <Andrew.Marnie@qfes.qld.gov.au>; BULLEY Graeme <Graeme.Bulley@des.qld.gov.au>; MCLAUGHLIN Marty <Marty.McLaughlin@des.qld.gov.au>; Paul Clackett (QAS) <Paul.Clackett@ambulance.qld.gov.au>

Subject: RE: Duling CZ Wildfire, K'gari 18/11/2020 morning 9:00 SITREP

Good morning all,

Weather conditions: Rain in critical areas overnight and cooler conditions predicted. Moderate winds (~20 km/hr) Easterly today turning ESE early tomorrow through to Northerlies from early Monday.

Sector breakdown:

1. **North (Sandy Cape) Sector**

Current situation - Fire at Sandy Cape still estimated by air observers this morning to be 4km from the western break and around 3-4 days with prevailing winds from the lighthouse area.

- Main fire has a 5+km front moving easterly south of Lk Maroong moving towards North Ngkala, flanking traveling towards Browns rocks- air observations to be completed every second day at Sandy cape.
- **Next obs due Friday.**
- Preparing crews for securing infrastructure arrive Thursday and expected ignition from lighthouse infrastructure on Friday (3 crews+1 SC Matt P).
- SMAEC prepared.

2. **Eastern sector (Cathedrals/K'gari camp)**

Current situation - 23 mm rain fell on Cathedrals this morning (to 9am) easing conditions. 1x RFS truck patrolling today.

- Fire has settled north of Cathedral beach and was burnt back by crews last night successfully to the northern dune and beachfront. Currently being monitored by RFS today.
- Due to topography, fuel variations and weather influence it is predicted to move westerly and around the northern dune that will require defending. Overgrown break reopened 1.3 blade width (prev 4 blade) from Nulla Kunggur SB to the Cathedral's western FB can be lit off for defence tactics.
- Previous QFES Water and gel bombing activities recommenced commenced yesterday afternoon initially slowing the progression of fire to the beachfront.
- Fire is still predicted to come around from the west, around the sand dune to the veg finger on western section between the southern and northern sand dunes..
- Back burning Western and Southern edge of Cathedrals outer fire break will be attempted if required.
- RFS 12,000 ltr collar tank remains setup at Cathedral Beach helipad – currently full of water where required. Could be moved south to HV in preparation for possible defence campaign.
- PSPA remains deactivated- removal of personnel occurring as required.

3. **Southern sector (Moon Pt Rd - Happy Valley)**

Current situation - Fire is reported to have remained ~100-200m north of Moon Pt. road and is likely to meet the road today. 2 xQPWS, 1xBAC and 3xRFS were deployed to investigate 3 hotspots off the rainforest belt east of the northern forest walk approx. 9-11km west of Happy Valley. Monitor and advise progress.

- The active fire on the north western side is moving in a north westerly direction. Movement of this will be influenced by the SE change and weather conditions.
- **3.8 mm** rain fell on HV this morning
- **REACTIVATED** - Logistics for mulching plant and equipment contracted for Moon Pt Rd to assist in mitigating fire crossing the track from 10am tomorrow (pending flame already crossing Moon Pt Rd). **Significant cultural information.**
- A rain gauge will be deployed to Moon Pt Rd this morning for accurate rain reading.
- Air ops did not investigate Coomboo Barracks this morning.
- Road closed sign remains erected along Moon Point Rd and Bullock Rd/ Northern Scenic drive intersections; Woralie Road eastern beach closed.
- Slashing / scraping of Dindeir Sand blow firebreak north of Happy Valley completed, Kooloro sand blow break slashing recompleted.
- Happy Valley Road to be slashed and prepped today as back up for Moon Pt rd breach.
- KBRV – protection – As per 20201117_DulingWildfire_SituationAnalysis document being prepped for submission outing breaks for prepping (Poyungan-smith Road, old happy valley Rd, Dundonga firebreak).

4. **Orchid Beach Sector (Middle Rck/Indian Head)**

- Being monitored and investigated as required.
- Still expecting active fire south of Indian Head and several kilometres north and south of Dundubara

5. **Dundubara sector (Dundubara)**

- Being monitored and being patrolled.
- Still expecting active fire south of Indian Head and several kilometres north and south of Dundubara.

Media – DES media can contact QFES media for imagery.

Park alert – Moon Pot Rd Closed west from Lake Garrawongera turn off – signs put in place.

IMT –

- 2 QFES support officers on site (Dundubara)
- Extra QPS assistance on island
- Extra QAS on island
- FLAME / Firecom updated 16:00

DAY

Sunday– Wednesday AM Linda Behrendorff

Wed PM—Sunday – Matt Davies

Logistics Support

Mid Monday – Thursday Grahame Bully

Jenna Tapply - Eurong

CIR Fire team resources allocated to Duling WF

-

Ground Crews – Wednesday

Day

2 x NMU

1 BAC

2 X RFS 51's

1 x RFS 41

0 X SMU

-

Night – Currently at Cathedrals.

1.5x NMU

2 x NSI

1 X RFS 51

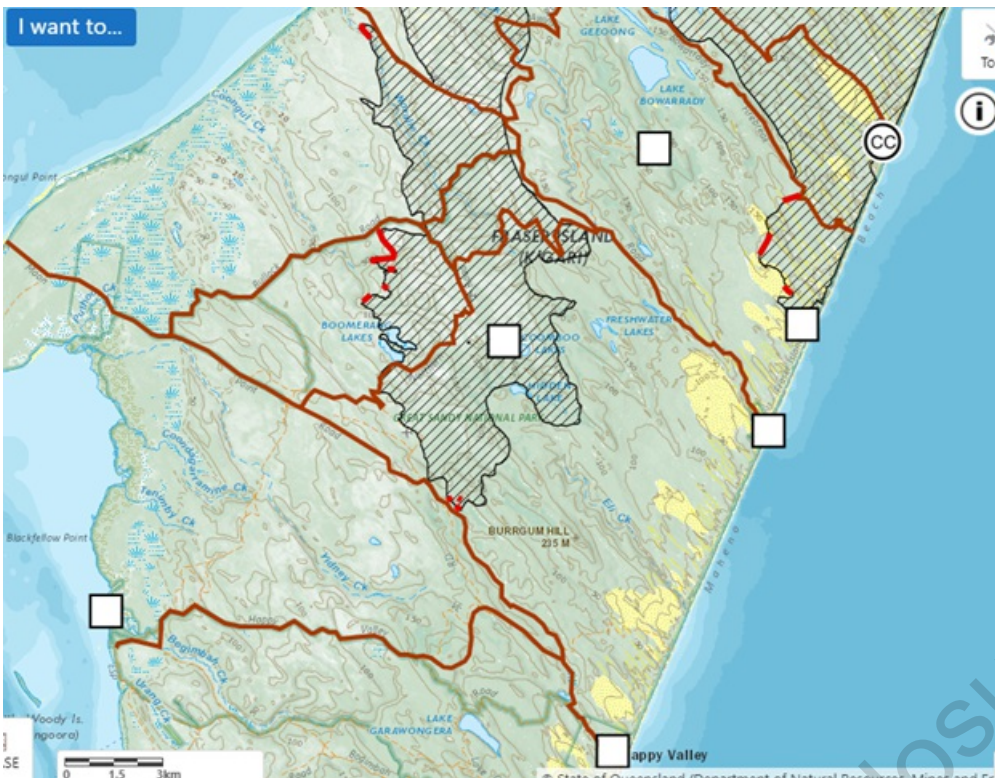
Incoming crews – TBA

CIR team sourcing 4 x Crew for SW sector and 3 crew for SC sector

SMU x 1

-

Thank you [all](#) for your assistance and ongoing support.



'The legacy you leave for colleagues emerging behind you, is how you allow yourself to be treated by others.'



Linda Behrendorff

Ranger in Charge, Natural Resource Management
Great Sandy National Park – K'gari (Fraser Island) & Cooloolo
Coastal and Island Parks - Queensland Parks and Wildlife Service & Partnerships
Department of Environment and Science

P 07 4127 9128

M **Personal info**

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Forecast for Fraser Island							
See text views for location							
Forget location	Wed. 18 Nov	Thu. 19 Nov	Fri. 20 Nov	Sat. 21 Nov	Sun. 22 Nov	Mon. 23 Nov	Tue. 24 Nov
Max (°C)	28	28	28	29	29	29	29
Min (°C)	—	20	19	19	19	19	20
Chance of rain (%)	—	70	10	5	5	0	20
Rainfall range (mm)	—	0 to 4	0	0	0	0	0
Issued 18 Nov 2020	Hide	Detail	Detail	Detail	Detail	Detail	Detail
Wednesday							
	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM
Temperature (°C)	—	—	—	27	27	25	22
Wind direction	—	—	—	SSE	SSE	SSE	ESE
Wind speed	—	—	—	28	39	31	35
● km/h ○ knots							
Thursday							
	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM
Temperature (°C)	21	20	23	26	28	26	22
Wind direction	ESE	ESE	ESE	E	E	E	E
Wind speed	24	24	24	22	22	22	19
● km/h ○ knots							

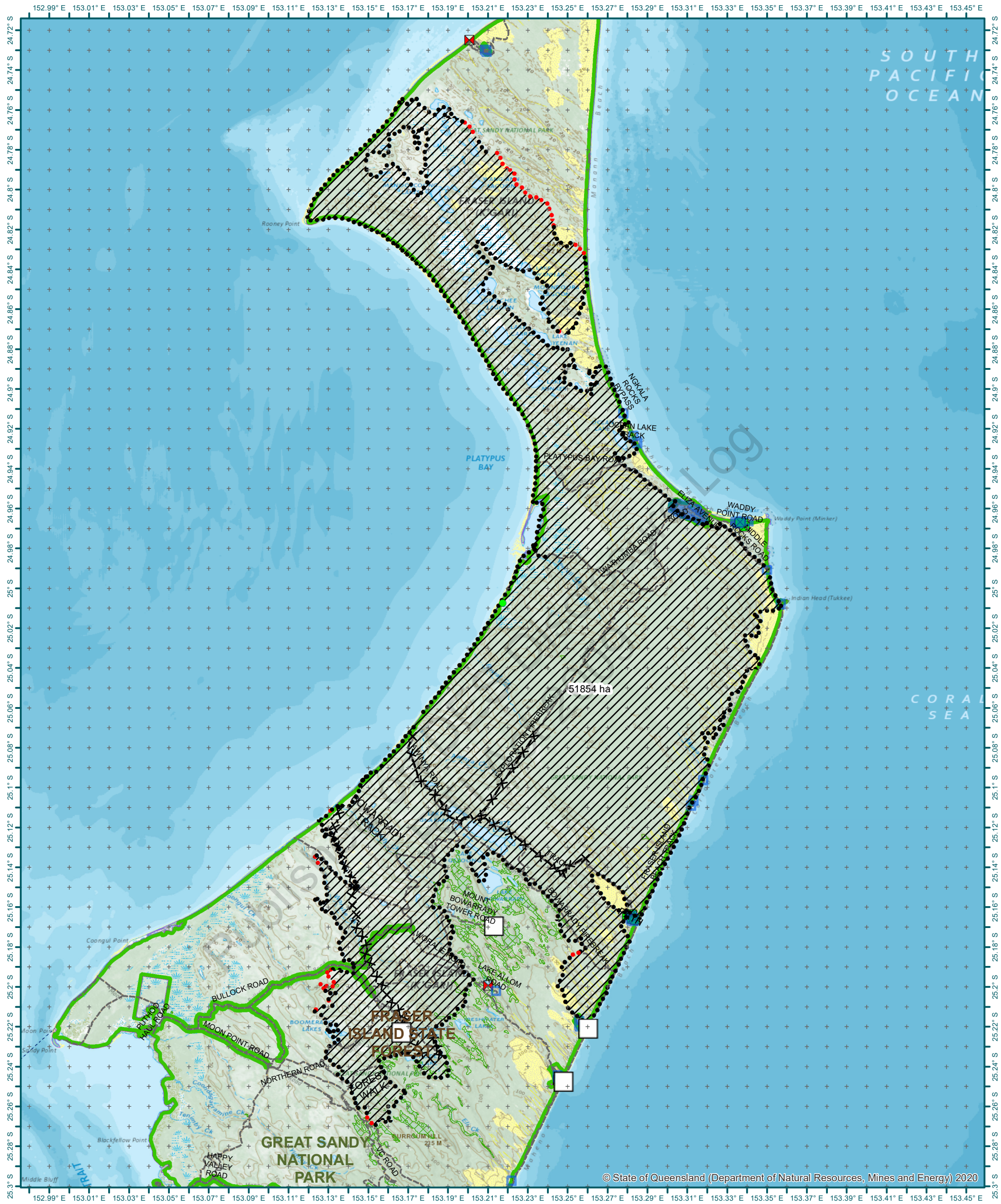
Friday								
	1.00 AM	4.00 AM	7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	10.00 PM
Temperature (°C)	20	19	23	27	28	26	22	21
Wind direction	ESE ↖	ESE ↖	ESE ↖	ESE ↖	ESE ↖	ESE ↖	ESE ↖	ESE ↖
Wind speed	19	24	31	30	28	30	28	24
☒ km/h ☐ knots								

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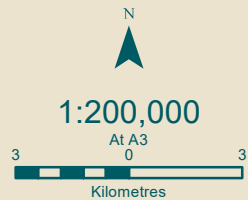
FIRE ACTION MAP
Great Sandy National Park
MICA data 18/11/2020 0800hrs, VIIRS Hotspots and Imagery 18/11/2020 0200hrs

Edition: November 2020

- Legend**
- XX Fire Control Line - Completed
 - XX Fire Control Line - Planned
 - Fire Edge - Active
 - Fire Edge - Inactive
 - /// Burnt Area - Current
 - Qld Building Points
 - Baseline roads and tracks Queensland
 - Streets
 - 4WD tracks
 - Ferry
 - Bikeways / Walkways
 - Gate, Unlocked/Unclassified
 - Gate, Locked
 - QPWS estate
 - Fire Regime Groups - Southeast Queensland
 - Rainforests



File I Release



Date: 18/11/2020
Time: 8:43:17 AM

Coordinate System: GCS GDA 1994
Horizontal Datum: GDA 1994

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



Queensland Government

Queensland Parks and Wildlife Service, Department of Environment and Science.
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Date : 18/11/2020 10:10:03 AM
From : "Andrew Marnie"
To : "Peter Hollier" , "DARGUSCH Marc"
Cc : "ROC North Coast" , "rfsq northcoast" , "BEHRENDORFF Linda" , "Peter C Roberts" , "Michael Koch"
Subject : FW: SW Sector Air Obs Update
Attachment : image001.jpg;

Good morning again

Update from the Helicopter re activity at the three hot spots.

Cloud base down to 600ft. No visible flame anywhere, just some small whispers of smoke coming up

Regards

Andrew

Andrew Marnie
Bushfire Safety Office
North Coast Region
Queensland Rural Fire Service

Mobile Personal info



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Forecast Fire Behaviour & Weather Summary

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

STEP 1 - Select Location
HAPPY_VALLEY_RURAL

STEP 2 - ROS Model
Forest

STEP 3 - Forest Fuel Load (t/ha)
17.00t/ha

STEP 4 - Heath Height (m)
0.5m

STEP 5 - Slope (Degrees)
0Deg

STEP 6 - Select Days
All

Choose Wildfire or HRB
Wildfire Behaviour Guidance

Today's (Wednesday, 18 November 2020) Peak Fire Behaviour Guidance in the Vicinity of HAPPY_VALLEY_RURAL, NORTH COAST Region and MARYBOROUGH Rural Area, in Forest Fuel

Based on BOM Forecast Data Updated @ 18/11/2020 7:46:04 AM

FIRELINE SAFETY: Expect about 0hr today where Direct Attack on the headfire maybe unsafe, i.e. above fireline intensity of 4,000kW/m

WIND & SPREAD: Peak daily wind speed is forecast to be 43km/h so in Forest expect rates of spread near 152m/hr

EASE OF IGNITION/SPREAD: With FMC today reaching as low as 10% Fuels can ignite fairly easily and develop moderately fast, spot fire ignition risk is moderate.

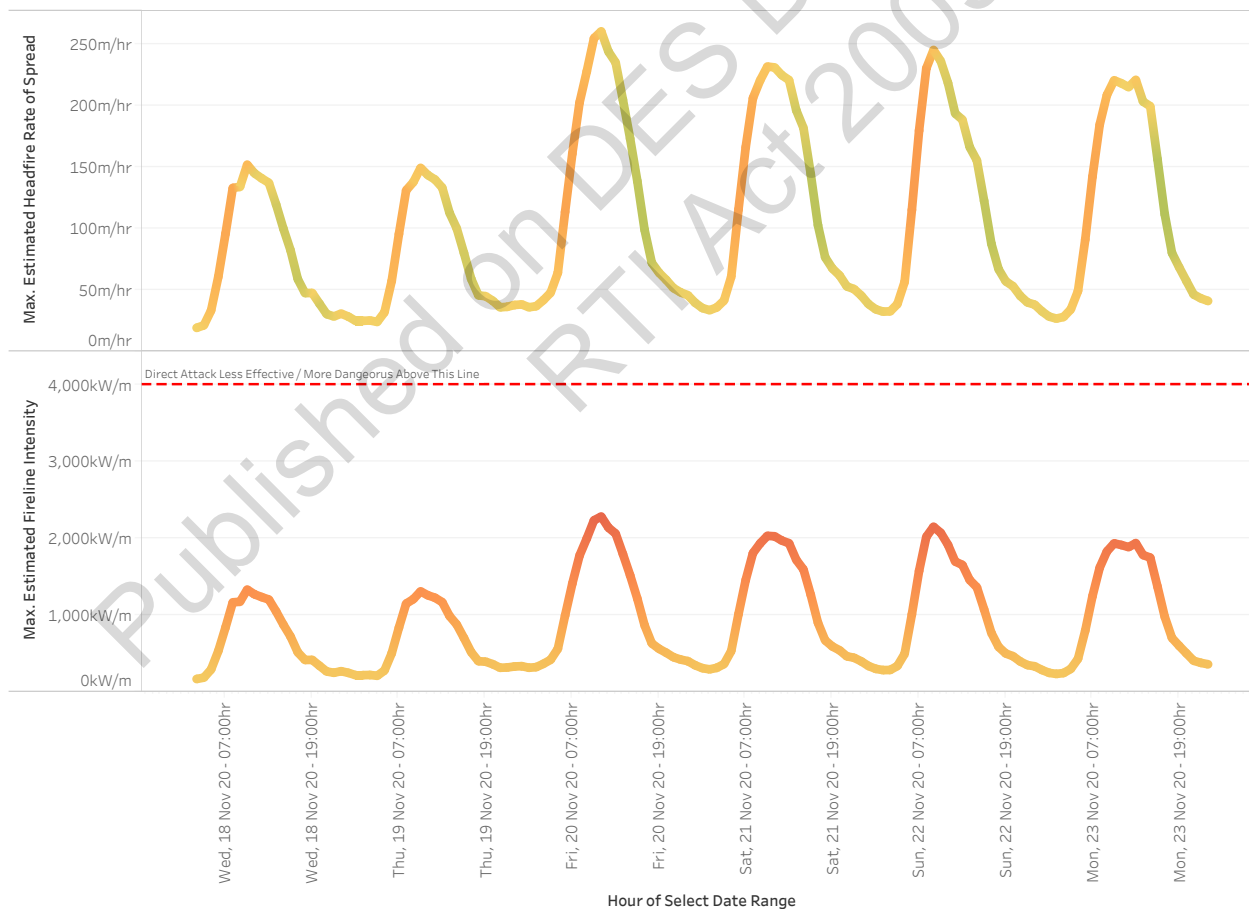
CONDITIONS TONIGHT: Between 1800hr & midnight fire is likely to continue burning for around 6hr (i.e. hours below Fuel Moisture of 20%)

With a forecast peak daily fireline intensity of 1333kW/m in Forest fuel, Direct Attack on the head fire / backburning are likely to be SAFE and EFFECTIVE strategies with max spotting distance during the day estimated to be up to 493m with an estimated peak daily forward rate of spread of 152m/hr. Fire behaviour is likely to be a low vigour, slowly spreading surface fire.

Estimated Rate of Spread (top) and Fireline Intensity (Bottom) Through Time

for Wed, 18 Nov 20 - 03:00hr to Mon, 23 Nov 20 - 23:00hr in Forest

Fuel Load currently in use for: Forest Load = 17t/ha



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.



Forecast Weather Summary

Day Number
Multiple values

Detailed Weather Forecast (2) in the Vicinity of **HAPPY_VALLEY_RURAL** in **NORTH COAST** Region, **MARYBOROUGH** Rural Area

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

Hour of Select Date Range	Forest Fire Danger Rating	Cardinal Wind Dir	Estimated Ignition / Carry Potential	Temperature (C)	Humidity (%)	Wind Direction (Degrees)	Wind Speed (km/hr)	FFDI	GFDI	Fine Fuel Moisture (%)
Fri, 20/11/20 00:00	Low-Moderate	E	Difficult to ignite	21	81%	100	24	2	0.0	16
Fri, 20/11/20 01:00	Low-Moderate	ESE	Difficult to ignite	20	83%	102	27	2	0.0	16
Fri, 20/11/20 02:00	Low-Moderate	ESE	Difficult to ignite	20	83%	103	28	2	0.0	16
Fri, 20/11/20 03:00	Low-Moderate	ESE	Difficult to ignite	20	80%	109	28	2	0.0	16
Fri, 20/11/20 04:00	Low-Moderate	ESE	Difficult to ignite	20	78%	112	29	2	0.0	15
Fri, 20/11/20 05:00	Low-Moderate	ESE	Patchy Ignition	22	73%	113	29	3	0.0	13
Fri, 20/11/20 06:00	Low-Moderate	ESE	Moderately Readily	24	64%	117	30	6	0.0	10
Fri, 20/11/20 07:00	Low-Moderate	ESE	Moderately Readily	26	57%	119	29	8	0.0	8
Fri, 20/11/20 08:00	Low-Moderate	ESE	Very Readily	27	52%	119	29	10	0.0	7
Fri, 20/11/20 09:00	High	ESE	Very Readily	27	49%	121	28	11	0.0	7
Fri, 20/11/20 10:00	High	ESE	Very Readily	28	47%	120	28	12	0.0	7
Fri, 20/11/20 11:00	High	ESE	Very Readily	28	46%	118	28	13	0.0	6
Fri, 20/11/20 12:00	High	ESE	Very Readily	28	48%	115	27	12	0.0	7
Fri, 20/11/20 13:00	High	ESE	Very Readily	28	48%	114	28	12	0.0	7
Fri, 20/11/20 14:00	Low-Moderate	ESE	Very Readily	27	51%	114	28	10	0.0	7
Fri, 20/11/20 15:00	Low-Moderate	ESE	Very Readily	26	55%	112	28	8	0.0	8
Fri, 20/11/20 16:00	Low-Moderate	ESE	Moderately Readily	25	59%	110	28	7	0.0	9
Fri, 20/11/20 17:00	Low-Moderate	ESE	Moderately Readily	23	65%	110	27	5	0.0	10
Fri, 20/11/20 18:00	Low-Moderate	ESE	Moderately Readily	22	70%	110	27	4	0.0	12
Fri, 20/11/20 19:00	Low-Moderate	ESE	Patchy Ignition	22	72%	107	26	3	0.0	12
Fri, 20/11/20 20:00	Low-Moderate	E	Patchy Ignition	22	73%	100	25	3	0.0	13
Fri, 20/11/20 21:00	Low-Moderate	E	Patchy Ignition	21	75%	99	24	3	0.0	13
Fri, 20/11/20 22:00	Low-Moderate	E	Patchy Ignition	21	76%	98	23	2	0.0	14
Fri, 20/11/20 23:00	Low-Moderate	E	Patchy Ignition	21	75%	99	21	2	0.0	14
Sat, 21/11/20 00:00	Low-Moderate	E	Difficult to ignite	20	77%	100	20	2	0.0	15
Sat, 21/11/20 01:00	Low-Moderate	E	Difficult to ignite	20	79%	100	19	2	0.0	15
Sat, 21/11/20 02:00	Low-Moderate	E	Difficult to ignite	20	79%	101	18	2	0.0	15
Sat, 21/11/20 03:00	Low-Moderate	E	Difficult to ignite	20	78%	100	18	2	0.0	15
Sat, 21/11/20 04:00	Low-Moderate	ESE	Patchy Ignition	20	75%	102	18	2	0.0	14
Sat, 21/11/20 05:00	Low-Moderate	ESE	Moderately Readily	21	69%	103	19	3	0.0	12
Sat, 21/11/20 06:00	Low-Moderate	ESE	Moderately Readily	24	58%	106	19	6	0.0	9
Sat, 21/11/20 07:00	Low-Moderate	ESE	Very Readily	26	51%	108	20	8	0.0	7
Sat, 21/11/20 08:00	Low-Moderate	ESE	Very Readily	27	47%	111	20	10	0.0	7
Sat, 21/11/20 09:00	Low-Moderate	ESE	Very Readily	28	45%	114	20	11	0.0	6
Sat, 21/11/20 10:00	High	ESE	Very Readily	29	45%	114	20	11	0.0	6
Sat, 21/11/20 11:00	High	ESE	Very Readily	29	46%	113	21	11	0.0	6
Sat, 21/11/20 12:00	High	ESE	Very Readily	28	47%	114	22	11	0.0	7
Sat, 21/11/20 13:00	Low-Moderate	ESE	Very Readily	28	48%	112	24	11	0.0	7
Sat, 21/11/20 14:00	Low-Moderate	ESE	Very Readily	27	51%	110	25	10	0.0	7
Sat, 21/11/20 15:00	Low-Moderate	ESE	Very Readily	27	53%	109	26	9	0.0	8
Sat, 21/11/20 16:00	Low-Moderate	ESE	Moderately Readily	25	57%	105	27	7	0.0	8
Sat, 21/11/20 17:00	Low-Moderate	ESE	Moderately Readily	24	64%	101	26	5	0.0	10
Sat, 21/11/20 18:00	Low-Moderate	E	Moderately Readily	23	69%	101	26	4	0.0	11
Sat, 21/11/20 19:00	Low-Moderate	E	Patchy Ignition	22	71%	100	26	3	0.0	12
Sat, 21/11/20 20:00	Low-Moderate	E	Patchy Ignition	22	73%	99	26	3	0.0	13
Sat, 21/11/20 21:00	Low-Moderate	E	Patchy Ignition	22	76%	98	26	3	0.0	14
Sat, 21/11/20 22:00	Low-Moderate	E	Patchy Ignition	21	76%	97	25	2	0.0	14
Sat, 21/11/20 23:00	Low-Moderate	E	Difficult to ignite	21	77%	93	25	2	0.0	14

Detailed Weather Forecast in the Vicinity of **HAPPY_VALLEY_RURAL** in **NORTH COAST**
Region, **MARYBOROUGH** Rural Area

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

Hour of Select Date Range	Forest Fire Danger Rating	Cardinal Wind Dir	Estimated Ignition / Carry Potential	Temperature (C)	Humidity (%)	Wind Direction (Degrees)	Wind Speed (km/hr)	FFDI	GFDI	Fine Fuel Moisture (%)
Wed, 18/11/20 03:00	Low-Moderate	SSE	Unlikley to ignite	21	96%	150	24	1	0.0	22
Wed, 18/11/20 04:00	Low-Moderate	SE	Unlikley to ignite	20	96%	143	30	1	0.0	22
Wed, 18/11/20 05:00	Low-Moderate	SE	Unlikley to ignite	22	91%	140	35	2	0.0	19
Wed, 18/11/20 06:00	Low-Moderate	SE	Patchy Ignition	24	80%	139	34	3	0.0	14
Wed, 18/11/20 07:00	Low-Moderate	SE	Moderately Readily	26	74%	143	38	5	0.0	12
Wed, 18/11/20 08:00	Low-Moderate	SSE	Moderately Readily	27	69%	150	41	7	0.0	10
Wed, 18/11/20 09:00	Low-Moderate	SSE	Moderately Readily	27	68%	153	40	7	0.0	10
Wed, 18/11/20 10:00	Low-Moderate	SSE	Moderately Readily	28	67%	154	41	7	0.0	10
Wed, 18/11/20 11:00	Low-Moderate	SSE	Moderately Readily	28	67%	156	41	7	0.0	10
Wed, 18/11/20 12:00	Low-Moderate	SSE	Moderately Readily	27	69%	156	42	7	0.0	10
Wed, 18/11/20 13:00	Low-Moderate	SSE	Moderately Readily	27	69%	155	43	7	0.0	10
Wed, 18/11/20 14:00	Low-Moderate	SSE	Moderately Readily	26	72%	157	43	6	0.0	11
Wed, 18/11/20 15:00	Low-Moderate	SSE	Patchy Ignition	25	74%	159	42	5	0.0	12
Wed, 18/11/20 16:00	Low-Moderate	SSE	Patchy Ignition	24	78%	163	43	4	0.0	13
Wed, 18/11/20 17:00	Low-Moderate	SSE	Difficult to ignite	23	84%	164	42	3	0.0	15
Wed, 18/11/20 18:00	Low-Moderate	SSE	Difficult to ignite	22	87%	159	42	2	0.0	17
Wed, 18/11/20 19:00	Low-Moderate	SSE	Difficult to ignite	22	87%	153	42	2	0.0	17
Wed, 18/11/20 20:00	Low-Moderate	SE	Difficult to ignite	22	87%	135	33	2	0.0	17
Wed, 18/11/20 21:00	Low-Moderate	SE	Unlikley to ignite	22	89%	124	28	1	0.0	18
Wed, 18/11/20 22:00	Low-Moderate	ESE	Difficult to ignite	22	87%	119	22	1	0.0	17
Wed, 18/11/20 23:00	Low-Moderate	ESE	Difficult to ignite	21	86%	117	24	2	0.0	17
Thu, 19/11/20 00:00	Low-Moderate	ESE	Difficult to ignite	21	87%	114	23	1	0.0	18
Thu, 19/11/20 01:00	Low-Moderate	ESE	Unlikley to ignite	21	90%	115	23	1	0.0	19
Thu, 19/11/20 02:00	Low-Moderate	ESE	Unlikley to ignite	21	90%	112	23	1	0.0	19
Thu, 19/11/20 03:00	Low-Moderate	ESE	Unlikley to ignite	21	89%	108	22	1	0.0	19
Thu, 19/11/20 04:00	Low-Moderate	ESE	Unlikley to ignite	20	89%	104	22	1	0.0	19
Thu, 19/11/20 05:00	Low-Moderate	E	Difficult to ignite	22	85%	99	22	2	0.0	16
Thu, 19/11/20 06:00	Low-Moderate	E	Patchy Ignition	24	74%	101	20	3	0.0	12
Thu, 19/11/20 07:00	Low-Moderate	E	Moderately Readily	26	64%	100	20	5	0.0	10
Thu, 19/11/20 08:00	Low-Moderate	ESE	Moderately Readily	27	59%	104	22	6	0.0	8
Thu, 19/11/20 09:00	Low-Moderate	ESE	Moderately Readily	27	58%	105	23	7	0.0	8
Thu, 19/11/20 10:00	Low-Moderate	ESE	Moderately Readily	28	57%	102	24	7	0.0	8
Thu, 19/11/20 11:00	Low-Moderate	E	Moderately Readily	28	59%	99	24	7	0.0	8
Thu, 19/11/20 12:00	Low-Moderate	E	Moderately Readily	28	59%	101	24	7	0.0	8
Thu, 19/11/20 13:00	Low-Moderate	E	Moderately Readily	28	60%	100	24	7	0.0	9
Thu, 19/11/20 14:00	Low-Moderate	ESE	Moderately Readily	27	63%	102	24	6	0.0	9
Thu, 19/11/20 15:00	Low-Moderate	ESE	Moderately Readily	26	65%	103	24	5	0.0	10
Thu, 19/11/20 16:00	Low-Moderate	ESE	Moderately Readily	25	69%	105	24	4	0.0	11
Thu, 19/11/20 17:00	Low-Moderate	ESE	Patchy Ignition	23	75%	105	24	3	0.0	13
Thu, 19/11/20 18:00	Low-Moderate	ESE	Difficult to ignite	22	79%	104	24	2	0.0	14
Thu, 19/11/20 19:00	Low-Moderate	E	Difficult to ignite	22	79%	95	24	2	0.0	14
Thu, 19/11/20 20:00	Low-Moderate	E	Difficult to ignite	22	79%	93	21	2	0.0	14
Thu, 19/11/20 21:00	Low-Moderate	E	Difficult to ignite	22	81%	93	20	2	0.0	15
Thu, 19/11/20 22:00	Low-Moderate	E	Difficult to ignite	21	81%	94	20	2	0.0	15
Thu, 19/11/20 23:00	Low-Moderate	E	Difficult to ignite	21	80%	96	21	2	0.0	15

Date : 29/10/2020 10:32:02 AM
From : "BEHRENDORFF Linda"
To : "Chris Hanlon (Chris.Hanlon@qfes.qld.gov.au)"
Subject : FW: Duling WF 28.10.2020 15:00 SIT REP
Attachment : image002.jpg;image003.png;image001.png;
FYI - L

From: BEHRENDORFF Linda <Linda.Behrendorff@des.qld.gov.au>
Sent: Thursday, 29 October 2020 10:23 AM
To: CIR Fire Team; DARGUSCH Marc; YETMAN Brendon; HARVEY Peter
Cc: DARGUSCH Anthony; LAVENDER Sven; KLEKAR John; GREEN John
Subject: RE: Duling WF 28.10.2020 15:00 SIT REP

Good morning all,

THURS 29.10.2020 Morning SITREP

- 25mm Rainfall at Dundubara mostly from yesterday. The evening storms went north.
- Radar showed bands of light to heavy falls across the north and south of the Island.
- Reports from staff indicate up to 10mm fell in the Awingya – exploration rd southern area and block.
- IC Thursday - Linda Behrendorff, Friday- Monday – Sven Lavender
- Strategy - Contain any active fire north of Awinya control line.
- Thurs Weather Forecast (attached) - Possible T Storm, 5-10mm rain, North winds through to 2/11 Mon - expected SE change
- Winds have increased as of 10am.
- Thurs Weather Forecast – possible showers, 3-10mm rain,
- Main threat - North winds and fire reactivating over the weekend.
- Main Task completed today – Ground crew investigated yesterdays fire activity observed in the Bowal Crk area , west of exploration break – nil observed and reported firebreak not slashed on the western side.
- Burnt area on both sides of Exploration Break at 11.5km from Awinya junction.
- Main tasks today–1 crew to assess on ground fire activity from Awinya FB. Use assessment and rain event information to inform resources required for Friday and week-end this afternoon. Confirm before Friday.

Resource Planning

IC

Thurs - Linda Behrendorff
Fri / Sat / Sun/ Mon - Sven Lavender
Tues / Wed / Thurs - David Vivian

Logistics Support TBC

Di Bowman / Moyra McRae

Ground Crews

- Potentially redeploy next Mon for 4 day deployment
- Confirm extra resources for Fri / Sat / Sunday North Wind threat and potential backburn on Mon Tues Wed SE wind change.

Thank you all for the ongoing work and support received and offered in this wildfire space.



Orchid Beach looking north

Regards



Linda Behrendorff

Ranger in Charge, Natural Resource Management

Great Sandy National Park – K'gari (Fraser Island) & Cooloolool

Coastal and Island Parks - Queensland Parks and Wildlife Service & Partnerships

Department of Environment and Science

P 07 4127 9128

M **Personal**

I acknowledge and pay my respect to Traditional Owners as the Custodians of the Lands and Seas on which I walk, work and live on.

Published on DES Disclosure Log
RTI Act 2009