Sector Assignment RF204

3. Sector	4. Description				5. Divisi	on Assigned
6. Sector Supervisor	Affiliation		Cellp	hone	Radio Cl	h
7. Resources Assigned t	his period			Turnanan	Duan	
Resource/Crew	Leader	# Pe	rsons	Transport Required	Drop- off Point/ time	Pickup Point/time
				ζ.(_
				(3)		
		. (C			
8. Sector Assignment / S	Special Instruction	s				
	erthe					
9. Sector Communication					Phone	Radio Ch
Division/Division Cmdr						
Air Attack Supervisor						
Safety Officer						

Prepared by:	Date:6 Feb2019	Time: 1500
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3. Pigeon	4.Point of ignition to			Dove Saddle	
6. Sector Commander	Affiliation		Cellpho	one	Radio Ch
6. Resources Assigned the Sector	nis Period	Supervisor		Crews	Radio Ch
1 Ground Crew					
1 Smoke chaser					
1 Appliance				. (
				X)
7. Division Assignment/ Protect Life and Propert Keep Residents and Stalchange Provide Situation Repor *Laydown Retardant to	t to Situation protect pro	nformed in pre		two hours	
8. Division Communications Manage				Phone	Radio Ch
Operations Manage Air Division Commande					
All Division Commande	ı				

repared by:	Date:6 Feb2019	Time: 1500
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3. Haytons	4. Point of ignition to Teapot Valley Rd end				y Rd end
6. Sector Commander	Affiliation	tion Cellphone		Radio Ch	
6. Resources Assigned the Sector	nis Period	Supervisor		Crews	Radio Ch
1 Ground Crew					
1 Smoke chaser					
1 Appliance					
)
7. Division Assignment/ Protect life and Property Keep Residents and Stalchange Provide Situation Report *Laydown Retardant to 100C Lakes Crew	y keholders in t to Situation protect pro	nformed in pre		two hours	
8. Division Communication				Phone	Radio Ch
Operations Manage					
Air Division Commande	r				

repared by:	Date:6 Feb2019	Time: 1500
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3. Teapot		4.Eves Valley Rd to 0		en Hills Rd	
6. Sector Commander	Affiliation	liation Cellpho			Radio Ch
6. Resources Assigned the Sector	nis Period	Supervisor		Crews	Radio Ch
1 Ground Crew					
1 Smoke chaser					
1 Appliance				, (
				X)
7. Division Assignment/	Special Inst	ructions			1
Protect life and Property			4.0		
Keep Residents and Stal change	keholders in	itormed in pre	eparation for	potential	north easterly wind
Urban crew for Protection	on of Eves V	/alley Mill or o	other propert	ies as req	uired
Provide Situation Repor *Laydown Retardant to	t to Situatio	ons Unit at lea		=	
	Servin				
8. Division Communicat	ions		Pho	ne	Radio Ch
Operations Manage	r				
Air Division Commande	r				

repared by:	Date:6 Feb2019	Time: 1500
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	4. Golden Hills Rd to Cut Hill Rd			
6. Sector Commander	Affiliation	Affiliation Cellphone		adio Ch
6. Resources Assigned this Pe	eriod Superviso	r (Crews	Radio Ch
2 Ground Crew				~0
2 Smoke chaser				
1 Appliance			. ~	
-			XO	
change		, () Y		
Property/Infrastructure Prote Contain fire South of Mouter Urban crew for protection of Provide Situation Report to S Build containment lines when *Laydown Retardant to prote	e Highway and We Eves Valley Hazard Situations Unit at le re practical in light	st Golden Hills R dous Landfill ast every two ho fuel areas.	ours	
Contain fire South of Mouter Urban crew for protection of Provide Situation Report to S Build containment lines when	e Highway and We Eves Valley Hazard Situations Unit at le re practical in light	st Golden Hills R dous Landfill ast every two ho fuel areas.	ours ment	Radio Ch
Contain fire South of Mouter Urban crew for protection of Provide Situation Report to S Build containment lines when *Laydown Retardant to prote	e Highway and We Eves Valley Hazard Situations Unit at le re practical in light	st Golden Hills R dous Landfill east every two ho fuel areas. provide containn	ours ment	Radio Ch

repared by:	Date:6 Feb2019	Time: 1500
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3. Moutere	4. Cut Hill Rd to I			o Dove Hill Saddle				
6. Sector Commander	Affiliatio	Affiliation			Radio Ch			
	Bruce Forestry				Fire 2			
6. Resources Assigned th	nis Period			l	.:(0)			
Sector	<u> </u>	Supervisor		Crews	Radio Ch			
1 Ground Crew					20			
1 Smoke chaser								
1 Appliance				, (
				X				
				111,				
Protect Life and Propert Keep Residents and Stalchange Excavator to Identify an 1x Bulldozer for Propert Taylors Excavator to est Sunrise/Heines rd Develop Containment linglan for additional containment to Provide Situation Report *Laydown Retardant to	d Establish y/Infrastro ablish esca nes from (ontainmen t to Situat protect pr	n high volume ucture Protect ape route/act Cut Hill to Ede t lines throug ions Unit at l	e water access ction, sunrise v cess down Sup er Road where gh Dovedale sa east every two	to existing valley, estal oplejack Val safe to do addle. o hours	ponds blish escape routes lley rd and so. Consider and			
8. Division Communicat			Pho	one	Radio Ch			
Operations Manage								
Air Division Commande	<u> </u>							

Prepared by:	Date:6 Feb2019	Time: 1500
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Communications Plan

RF205

Assigned To	Function	Channel	Frequency	System
Command		Waimea 1	152.55000 RX	System
Communa		vvaiiiica 1	154.33125 TX	
Division Diggon	Operational	Fire 1	143.82500	
Division Pigeon	Operational			
Division Hayton	Operational	Fire 2	143.78750	
Division Teapot	Operational	Fire 3	140.92500	.0.
Division Redwood	Operational	Fire 1	143.82500	
Division Moutere	Operational	Fire 2	143.78750	
Air Ops -Heli	Operational	Fire 4	140.61250	
Air Ops – Fixed Wing	Operational	Fire 10	140.98750	
Emergency		Waimea 1	152.55000 RX	
		. C	154.33125 TX	
FireCom		FireCom		
4. Telephone		3		
Assigned To	Landline	Cell phone	Fax	Commer
Emergency		111		
Regional Command	70,			
Centre (RCC)				
70.				
6. Other (e.g. email, Sa	tphone, etc)			
GIS Mapping	planning.intelliger	nce@nelsontasman	cdem.govt.nz	
ICP	Reception.nelsont	asman@fireemerg	ency.nz	

Prepared by:	Date:6 Feb2019	Time: 1500

Safety Plan

RF209

3. General Safety Points

Everyone is to be signed in and out of the fire ground through the Incident Control Point for both safety check and payment records.

Maintain regular situation reports (containing all relevant information) via line supervisors.

LACES	Fire Orders	Watchouts
L - Lookout(s) A - Awareness - Anchor Point(s) C - Communication(s) E - Escape Route(s) S - Safety Zone(s)	 conditions and forecasts Know what your fire is doing at all times. Base all actions on current and expected fire behaviour of the fire. Identify escape routes and safety zones and make them known. Post lookouts when there is possible danger. Stay alert. Keep calm, Think clearly, act decisively. Maintain prompt communication with your crew/s, your supervisor and adjoining crews. Give clear instructions and ensure they are understood. Maintain control of your crew/s at all times. Fight fire aggressively having provided for safety first. 	 Fire size is unknown (no size up). Unfamiliar territory Safety zones and escape routes not identified. Unfamiliar with weather and local factors influencing fire behaviour. No communications link with crew members or supervisor. Instructions and assignments not clear. Weather is getting hotter, drier and relative humidity dropping Wind increases and/or changes direction. Getting frequent spot fires across the line Working uphill or downwind of a fire Working in rugged terrain Can't see main fire In unburnt vegetation Walking through hot ashes Working alone Getting tired Working near power lines Working mear machinery Working around trees or spars
		., ., ., ., ., ., ., ., ., ., ., ., ., .

4. Specific Safety Points

- Access points into fire controlled. Only those authorized to enter and they must receive a brief and be logged in. Time and access point
- Public access Managed
- Weather fire behaviour monitored for changes and communicated to crews. Risk identified to crews
- All crews to have adequate food, water, PPE to manage fatigue and hydration
- Crews to have identified emergency escape routes and emergency plan in the event of harm. Meeting point identified once evacuated.
- All workers to ensure they are competent for the tasks and risks given.
- Air and ground crews to be isolated from risk areas during operations.
- Potential methane flares (Division Hayton) from Eves Valley Landfill

Medical Plan

RF206

3. First Aid Station Name Location			one/Radio hannel	o Paramedics available at Station			
Each Crew must have available one First aid Level 1 Certified	Each crew						P
Nelson 91 Ambulance	Forward command post	Wair	nea 1	1 Para	amedic ar	nd 1 EM	T
				2/2			
4. Transportation Ambulance Service	Address		one/Radio hannel		Param able witl		lance
Ambulance St Johns	Richmond station Motueka/Stoke Nelson/	111		Yes			
5. Hospitals Hospital Name	Address	Ph	one	<u>Trave</u> Road	<u>l Time</u> Air	Burn Unit	Heli Pad
Nelson Public Emergency	Waimea Rd.	03546	1800	27m	4min	У	У
Hutt Hospital (Burn Unit)		04566	6999	n/a	40min	Y	У
6. Special Emergency Procedure Emergency Helicopter statione		11"					
8. Reviewed by Safety Advisor:			Date/Tim	16			

Prepared by:	Date:6 Feb2019	Time: 1500
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1. Pigeon Valley

2. 6 Feb2019 0700 to 1900

FIRE WEATHER FORECAST

Attention Tasman Fire CD

FIRE WEATHER FORECAST

For Location Pigeon Valley near Wakefield

Issued by MetService at 08:55am 06-Feb-2019, and valid for the following 9 hours

Wind: East to northeast 15-20km/h gusting 25-30km/h rising to east to southeast 25km/h gusting 40km/h this afternoon.

Precipitation: Remaining drizzle clearing this morning - Less than 1mm.

Temperature: Rising to 20-21C this afternoon.

Humidity: 65% lowering to 40-50% this afternoon.

Outlook for the next 12 hours:

Mailny fine, some cloud about. Temperatures lowering to 10-12C Humidity increasing to 70-80%. Southeast easing to 10-15km/h.

Outlook for next 6 days:

Thursday: Light winds, sunny, dry and max temperature around 21C. Friday: Light winds, sunny, dry and max temperature around 20C. Saturday: Light winds, sunny, dry and max temperature around 22C.

Sunday: Northerlies, partly cloudy, a few light showers and max temperature about 22C.

Monday: Northerlies and rain, max temperature around 21C. Tuesday: Light winds, sunny and max temperature around 23C.

Fire Indices for Wednesday 6th Feb 2019 (8:00am) FFMC 83 (easy Ignition) DMC 95.8 DC 451.1

ISI 2.9 (moderately fast rate) BUI 125.1 (Extreme)

FWI 14.5 (high fire intensity)

FIRE BEHAVIOUR FORECAST

Fire nam	e: Pigeo	n Road			Predic	tion for:	0800-1	.800 07 F	eb-19
Prepared by:			Time a	Time and date issued: 1500 06 Feb 19					
Forecast no. 1			Day Sh	Day Shift					
Assumpt	tions:	s: today's forecast							
Temp	RH	Wind	Slope *	FFMC	DMC	DC	ISI	BUI	FWI
17.1	59.4	10.7	0	86	98.3	463.3	4.2	128.1	19.1

Rates of spread are the equilibrium rate of spread, not the build-up phase, with continuous fuel and similar fuel type.

Fire Behaviour General:

Expected fire behavio	our – slope 0°	Forecast worst case – 28°C 45%RH slope 20° 1400-			
		1800			
Fuel type: Mature Pine – :	5m pruned	Fuel type: Mature Pin	ve – 5m pruned		
Expect HF rate of spread of		Expect HF rate of spre			
HF Intensity	633 kw/m	HF Intensity	2100 kw/m		
Flame lengths	1.5	Flame lengths	3 m		
Fuel type: Scrub/gorse 2n	_	Fuel type: Scrub/ gors	se 2m height		
Expect HF rate of spread of	of 926 m/hr	Expect HF rate of spre	ead of 3000 m/hr		
HF Intensity	>10000 kw/m	HF Intensity	>10000 kw/m		
Flame lengths	6.7 m	Flame lengths	13 m		
Fuel type: Grass-70% GC, 100% cover, 0.1m height		Fuel type: Ungrazed (Grass -70% GC, 100% cover,		
		0.2m height			
Expect HF rate of spread of	of 187 m/hr	Expect HF rate of spre	ead of 600 m/hr		
HF Intensity	296 kw/m	HF Intensity	1050 kW/m		
Flame lengths	1.1 m	Flame lengths	2 m		
Safety Considerations:					
Head Fire intensity, and fl	Head Fire intensity, and flank fire intensity		Head Fire intensity exceed threshold for direct		
exceed threshold for direct attack in gorse/		attack in gorse and mature pine fuels, and flank			
scrub fuels.		fires in gorse. Flank fires intensity is now too			
		high for ground crews			
. Weather conditions for T	hursday are predeicted	d to be similar to Wedne	esday. The NE conditions		

Prepared by:	Date:6 Feb2019	Time: 1500
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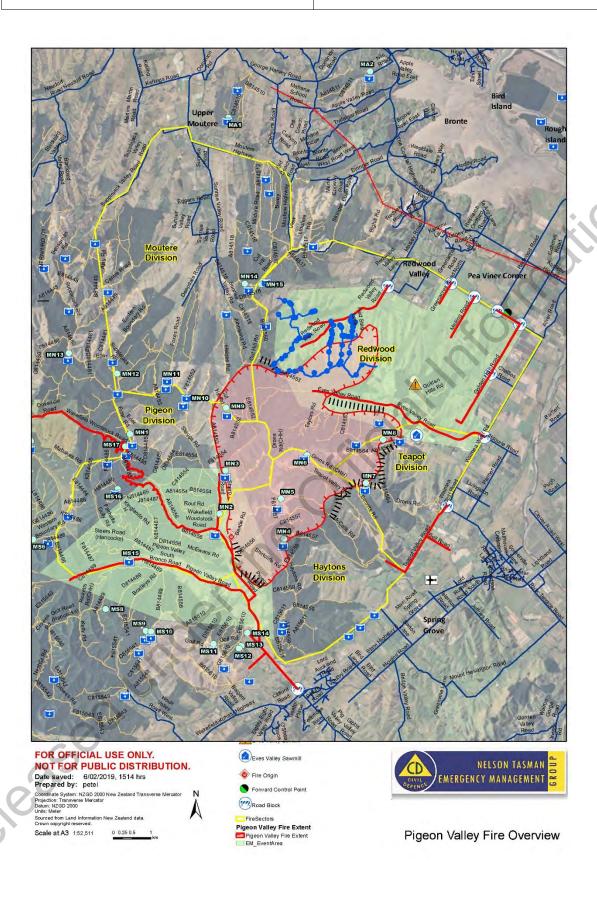
should continue to provide higher relative hunidities and enable a focus on containment activity.

Watch for a fall in RH as the afternoon develops and be prepared to adjust your attack strategy.

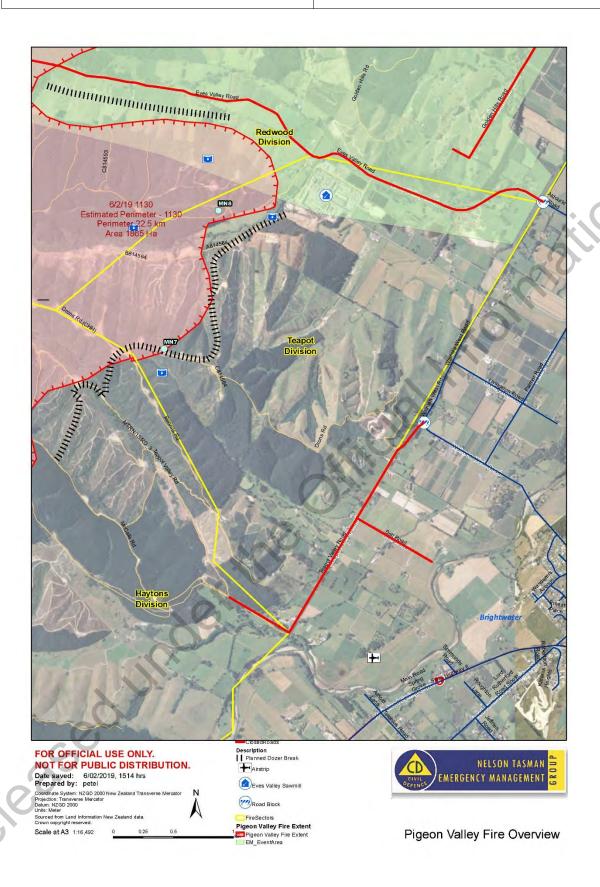
2. 6 Feb2019 0700 to 1900

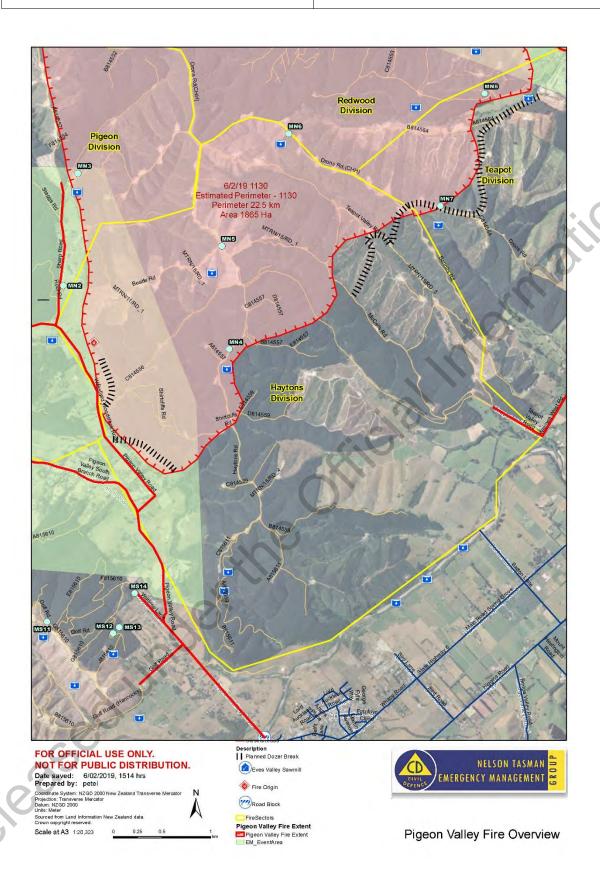
Prepared by: P

18 | Pay

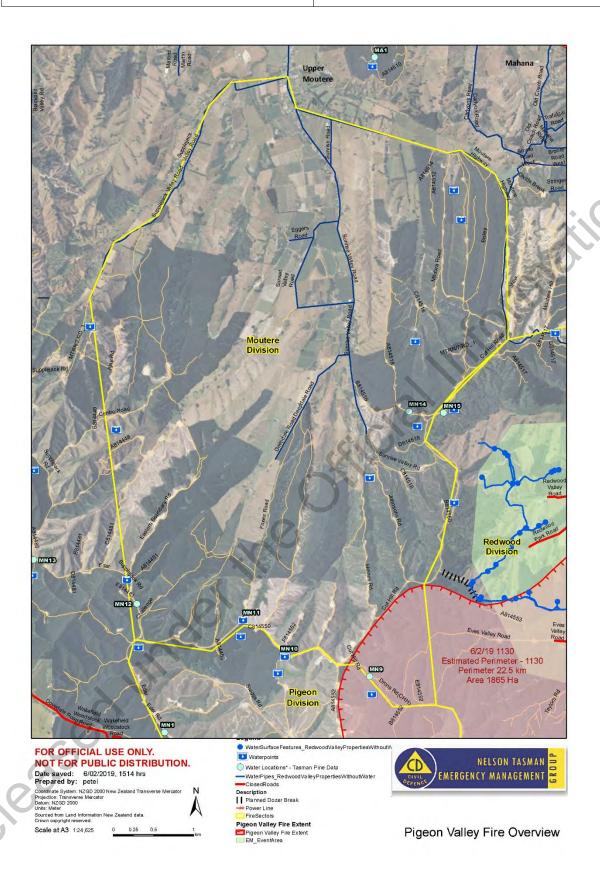


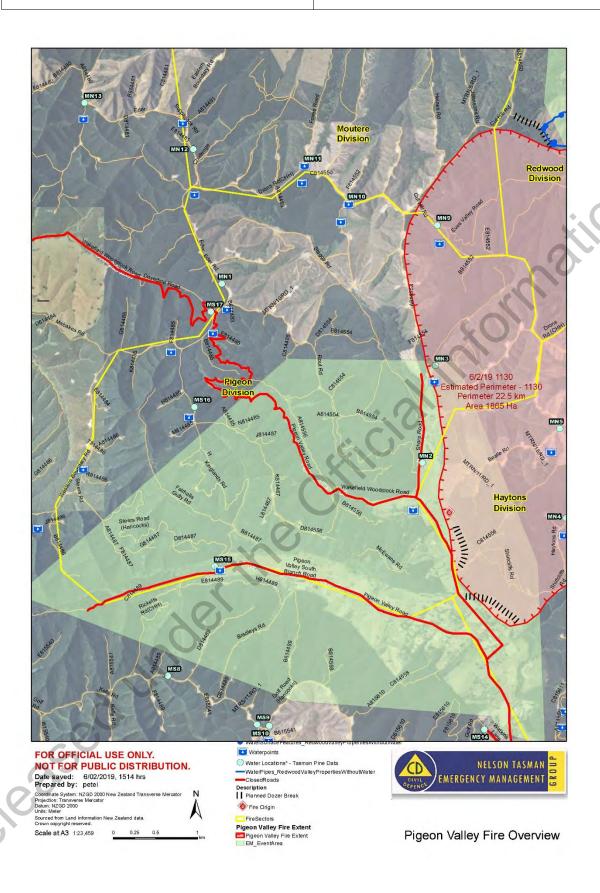
Prepared by:	Date:6 Feb2019	Time: 1500
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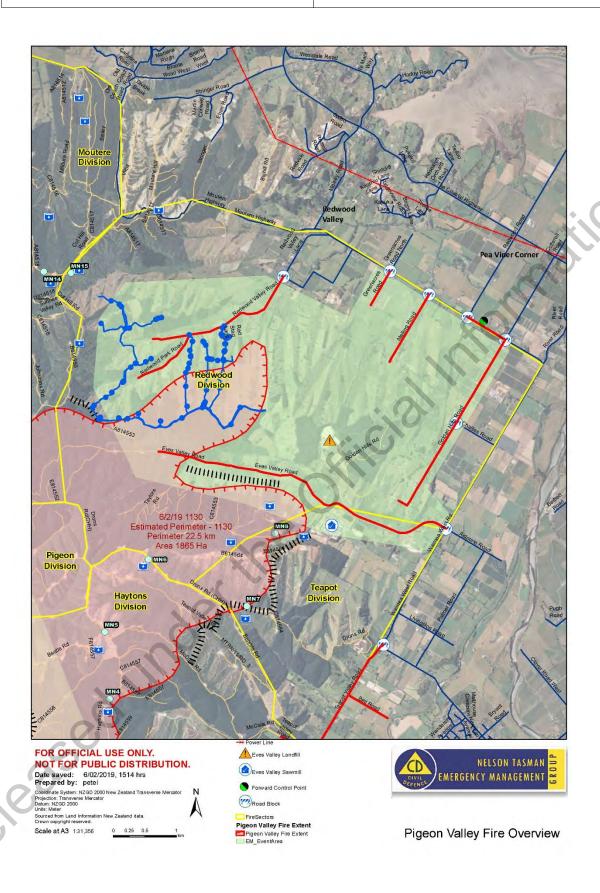


Prepared by: Date:6 Feb2019	Time: 1500
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Prepared by:	Date:6 Feb2019	Time: 1500
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Prepared by:	Date:6 Feb2019	Time: 1500
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Incident Name	Operational Period	IAP COVER SHEET
Pigeon Valley	Date 8/2/2019 Time 0700 - 1900	KF155
	INCIDENT ACTION	PLAN
The iten	ns checked below are included in th	e incident Action Plan
SITUATION	REPORT	
☐ INCIDENT O	BJECTIVES	
ORGANISAT	TONAL LIST	ľ
SECTOR ASS	SIGNMENT	
DIVISIONAL	ASSIGNMENT	
AIR OPERAT		
	CATION PLAN	
SAFETY PLA		
MEDICAL PI	AN	
FIRE MAP	ODECAST AND MAD	
	ORECAST AND MAP	
	MAPS AND DOWNLO	AD OR CODES
	ORMATION & MEDIA	TO QIT CODES
Approved by Incident	Controller: Signed	Date/Time
Name		2000 7/2/19
70,		
0		
25		
30	FIR	E
	WHAKARATONGA IWI EMERGE	NLY
	NEW ZEALAND	



1. Incident Name	2. Operational Period	SITUATION
Pigeon Valley	Date 8/2/2019	REPORT
	Time 0700 - 1900	RF201
3. Location	4. Vegetation	5. NZ Topo50 Grid Ref.
Pigeon Rd, Eves Valley,	Forest/Scrub/Grass/Slash/	41°22'32.51"S
Tasman	Other:	173° 1'31.81"E

6. Assessment

A large scrub/ forest fire is currently burning estimated to be 1874ha as at 1900hrs on 7th Feb with a This afternoon we have experienced a breakout in an area where the boundary hadn't been secured approximately 170ha of heavy fuels (pine forest).

25 residences on the boundary of this breakout have been evacuated Values at risk are life, property.

Telecommunications site on the end of Cooks Rd (near Wakefield) is at risk with northerly wind. Evacuations are still in place for the following areas while operations are still active.

• Eves Valley, Golden Hills Rd, Redwood Valley Rd, Tea Pot Valley, Bartons Lane

7. Action taken

Resources deployed include 6 bull dozers, 7 excavators, 6 tankers, 15 rural appliances, 9 urban appliances, 3 Defence Force appliances and 22 Helicopters are currently working today as well as two fixed wings. A lot of this resource is now targeting the breakout area.

Due to the nature of the terrain and vegetation helicopter resources are targeting this area, though control is proving difficult with the current weather conditions, extreme dryness of the forest/ scrub fuels and the resulting high fire intensity.

Changes in fuel as the fire moves to pasture and to the contingency fire-breaking (on the northern end) will assist in suppressing this breakout.

Black out work, machine fire breaking and hot spot targeting is continuing on the other parts of the fire ground.

For night shift there will be 11 crew, 5 bull dozers, 5 excavators, 4 tankers, 3 rural appliances and 6 urban appliances. No Defence Force resources.

8. Factors,

Extreme fire conditions. Limited water supply. Changeable wind conditions. Wind conditions the current breakout fire is creating. Sustained 20km winds gusting to 30km/hr, warm temperatures and lower humidity.

9. Predicted Incident Development

Weather conditions and fuel continuity will have a large influence on the management of the current breakout.

6pm Today – 6am Friday Rainfall: None expected.

Sustained wind: NNE 10 km/h or less through to about 10 pm. After 10 pm, winds shift to SSW, remaining less than 10 km/h through to 6 am.

Wind gusts: Gusts up to 30 km/h possible through to about 8 pm. Thereafter, gusts overnight will remain 20 km/h or less.

Temperature: Around 19°C at 6pm, decreasing to 11-12°C by 6am Friday.

Humidity: Near 45% at 6pm, increasing to 70-75% by 6 am Friday.

Efforts to suppress the fire are continuing but proving to be challenging for helicopters due to the height of the vegetation (e.g. trees and grass) and the height of the flames. The effectiveness of our efforts will improve as the fire heads towards the flatter grassland. We are also anticipating that the wind will decrease during the night.

10. Prepared by:		Date/Time:
Authorised by	(Incident Controller)	1900 7 th Feb 2019

1. Incident Name	2. Operational Period	INCIDENT
Pigeon Valley	Date 8/2/2019	OBJECTIVES
	Time 0700 - 1900	RF202

3. Overall Incident Objectives

- 1. Ensure the safety of responders and public at all times during the incident
- 2. Minimise the impact on structures, infrastructure, assets and values during the incident
- 3. Minimise impact on environment, culture and historic values during the incident
- 4. Ensure communication and information, liaison with stakeholders/ community/ public/ government bodies and affected parties is timely, meets standards and requirements at all times during the incident
- 5. Report on costs on a daily basis by 1800
- 6. Return community to homes/normal life as soon as practicable
- 7. Investigate cause (including protect initial ignition site and evidence)

4. Strategies to meet objectives

- 1. Create a safety plan and safety briefing for all staff and contractors. Monitor fire behaviour and establish triggers and cordons for withdrawals and evacuation.
- 2. Use media, trusted community channels and stakeholders to establish communications and engagements. Establish regular briefings and updates.
- 3. Identify critical infrastructure, assets and values. Structures have structure protection crews and technical liaison where required. Water courses and dip sites identified with environmental protection.
- 4. Cultural/Historical/environmental values identified on incident ground (Actual and projected)
- 5. Assign fire investigation to determine cause
- 6. Financial reporting established and continued
- 7. Create a recovery plan with community and stakeholders to assist post incident.
 - Consider operation delivery to minimise impacts in support of the recovery plan.

5. Prepa	red by:	Date/Time: 1900 7/2/19
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	1. Incident Name	2. Operational Period		ORGANISATION
		Date 8/2/2019		ASSIGNMENT
		Time 0700 - 1900		RF203
	3. Incident Control		Phone	Radio Ch
	Incident Controller	(NIMT)		
	Deputy IC	NMIT)	-	
	Information Officer		-	
	Safety Officer	NMIT)		
	Liaison Officer			.;(O)
	4. Agency Representative		Phone	Radio Ch
	Lead Agency	FENZ PRFO		
	Agency	Police		
	Agency			
	Agency	CDEM		
	Agency	CDEM Duty Phone		
	Agency	FENZ Urban Liason		
	5. Planning/Intell Section		Phone	Radio Ch
	Planning/Intell Manager			
	Situations Unit			
		(FBAN)		
		(Observer)		
	76	(Intel)		
	.70.	(GIS)		
		(GIS)		
	A	(Observer)		
	9)	(Observer)		
	Resources Unit	_		
	0.0	(EoC)		
	O	Check in)		
20	Manage 2012			
	Management Support Unit			
	Information Unit Advance Planning Unit	_		
	Technical Specialists Unit	-		
	. common specialists offic	•		

6. Logistics Section		Phone	Radio Ch
Logistics Manager	(NMIT)		
	(Day)		
	Night)		
Supply Unit			
Catering Unit			
Facilities Unit			
Finance Unit			:(O);
Communications Unit			
Medical Unit			
		έO,	
7. Operations Section		Phone	Radio Ch
Operations Manager			
Deputy Operations Manager		_	
Division One Commander			
Sector A Supervisor	<i>Q</i> ₁		
Sector B Supervisor			
Sector C Supervisor			
Sector D Supervisor			
Division Two Commander			
Sector E Supervisor			
Sector F Supervisor			
Sector G Supervisor			
Sector H Supervisor			
Air Division Commander	(NMIT)		
Air Attack Supervisor			
Air Support Supervisor			
8. Prepared by:		Date/Time: 1900 7	/2/19

	1. Incident Name Pigeon Valley		2. Operational Period Date 8/2/2019 Time 0700 – 1900			d	DIVISION ASSIGNMENT RF204a		
	3. Division			4. Desc	ription			111 20 10	
	Alpha			Point o	f ignition to D	ove Saddle o	on Edei	r Rd	
	5. Division Commander	Affili	ation	ion Phone		Radi		io Ch	
		,,,						Command: Fire	
							Crew	: Simplex	
	6. Resources Assigned this Posterior	eriod	Supervisor		Crews		Radio Ch		
	Bulldozer D7		TLC					, C	
	Excavator 20T		TLC			<			
	Tasman Smoke Chaser + 3px					&O)			
	Hira Smoke Chaser + 3px								
	Hira 5575 +4px								
	Doc Motukea 3px			. 0					
	DOC Takaka 8px								
	Greymouth 4px			C					
	7. Division Assignment/Special Instru- Ground Crews: Blacking out to 30 metal length of the perimeter where safe Provide 2 hourly SITREP to FCP by Consumption Join Comms Facebook Group "Pigeon video throughout day. Also view images				nnel OPS2 or N NTERNAL CON	Mobile. MMS" and co	ntribut	te imagery and	
	Bryants using fellerbusite).	head of Sharps Valley up the ridge to connect to Cut Hill Rd rs to remove large trees on the east side of Cut hill Rd (already on eak from Cuthill Rd to Route Rd and down Route Rd to North				ill Rd (already on			
	pigeon Valley Rd.								
	Helicopters: Support ground crew) with requirements			ired and	divisional cor	nmanders to	call ai	r attack (
	8. Division Communications		_			Phone		Radio Ch	
	Operations Manager Air Division Commander 9. Prepared By:							Fire 1/Cellphone	
0								Fire 4/Cellphone	
						Date/Time	1900	7/2/19	