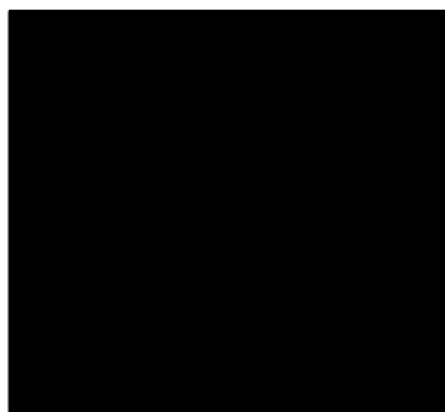



<b>Incident Name</b>	<b>Operational Period</b>	<b>IAP COVER SHEET</b> RF199
Pigeon Valley	Date 8&9/2/2019 Time 1900 - 1900	

## INCIDENT ACTION PLAN

The items checked below are included in the incident Action Plan

- SITUATION REPORT
- INCIDENT OBJECTIVES
- ORGANISATIONAL LIST
- SECTOR ASSIGNMENT
- DIVISIONAL ASSIGNMENT
- COMMUNICATION PLAN
- SAFETY PLAN
- MEDICAL PLAN
- FIRE MAP
- WEATHER FORECAST AND MAP
- FIRE BEHAVIOUR FORECAST
- OVERVIEW MAPS AND DOWNLOAD QR CODES
- PUBLIC INFORMATION & MEDIA



<b>Approved by Incident Controller:</b>	<b>Signed</b>	<b>Date/Time</b>
Name John Sutton		2000 7/2/19



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<b>1. Incident Name</b> Pigeon Valley	<b>2. Operational Period</b> Date 8&9/2/2019 Time 1900 - 0700	<b>SITUATION REPORT</b> RF201
<b>3. Location</b> Pigeon Rd, Eves Valley, Tasman	<b>4. Vegetation</b> Forest/Scrub/Grass/Slash/ Other:	
<b>6. Assessment</b> <p>A large scrub/ forest fire is currently burning estimated to be over 2100ha as at 0700hrs on 8<sup>th</sup> Feb 2019. The fire is currently burning over 27km (may have a recalculated total area by 1900hrs).</p> <p>Thursday afternoon we experienced a breakout in an area where the fire retardant and aerial support was not effective in containing the fire up. Fire spotting occurred in excess of 500m at times. Up until this has burnt approximately 415ha of heavy fuels (pine forest). The fire behaviour has been mainly in the north with some progression downslope. Perimeter growth for the day has not yet been calculated.</p> <p>Values at risk are life, and property.</p> <p>Local crews and heavy machinery successfully protected nearby residential properties under very difficult conditions on Thursday night. The fire has backed up on several structures close to the forest boundary to the east, but being protected by effective fire breaks which were established Thursday night.</p> <p>Evacuations operations have commenced for the town of Wakefield based on predicted rates of fire spread. If another breakout occurs and a front is generated. Evacuation trigger points were established with a 30 minute notification for Pigeon Valley and three hour notification for Wakefield. We were unable to identify trigger points for Wakefield with Police with adequate warning for effective evacuation. As a result it was jointly decided between FENZ that evacuation of the Wakefield residents which incrementally commenced this afternoon.</p> <p>Evacuations are still in place for the following areas while operations are still active.</p> <ul style="list-style-type: none"> <li>• Eves Valley,</li> <li>• Golden Hills Rd,</li> <li>• Redwood Valley Rd</li> <li>• Tea Pot Valley</li> <li>• Barton Lane</li> </ul> <p>Telecommunications site on the end of Cooks Rd (near Wakefield) are at risk with northerly wind. A mobile site are currently being installed near Wakefield so that the communications at Wakefield can be maintained in the event the current site is damaged. A telecommunications crew is working currently working to secure the asset.</p> <p>A new fire has started at Atawhai Road, a short distance north of Nelson township, at approximately 1400hrs. Fireline overhead, helicopters and ground crew have been assigned to this new start. Resources deployed are 5x helicopters, 4x urban and one rural have arrived on site.</p>		

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## 7. Action taken

Current resources for fire management currently working on the vegetation fire (days shift) are

- 22 helicopters, two fixed wings plane.
- 18 vegetation crews, and 8 structure crews (141 personnel)
- 15 heavy machines (excavators and dozers).
- 42 incident management staff.

Due to the nature of the current weather conditions, the terrain, and the vegetation composition (extreme dryness of the vegetation), helicopter resources are targeting the breakout area on the southeast boundary bordering Wakefield and heavy machinery has established control lines on 85% of the boundary on sectors Zulu and Yankee.

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. On the north western area, sector X-ray, machinery and feller bunchers are felling larger trees and shifting logs to enhance the fire break there in anticipation of the SE wind, which is forecasted again for tomorrow.

Fire observers in Wakefield and including one in helicopter are providing observation of areas which have potential for spotting in and around the Wakefield Township.

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

Yesterday we established a No-Fly Zone over the fire ground, this will be in place until Monday 5pm. The No-Fly zone is to 3000m and 3km from the red zone.

We actioned one Drone Team available for overnight surveillance, and the USAR Drone Team is arriving tomorrow.

We have requested from R4 RCC additional structure crews and appliances, plus vegetation crews and other resources to facilitate rotation of crews for fatigue management.

A fire observer has been dispatched to the Atawhai Road fire.

**8. Factors,**

Extreme fire conditions. Limited natural water supply. Steep terrain. Highly flammable complex dense vegetation. Forecasted winds have been in place since 1100hrs of NE 20km, gusting to 35km/hr. The wind strength and smoke is proving challenging for aerial operations.

The forecasted increase to Relative Humidity has occurred and should benefit the firefighting operations as the day progresses.

**9. Predicted Incident Development**

Weather forecasts are being updated every two hours, so we always have current information.

Weather conditions over the next two days involves strengthening northerlies with predictions of wind gusts of up to N/NE 55km/hr predicted on Sunday.

Utilising forecasted conditions and the rates of spread experienced over recent days, we have established a worst case scenario, by rate of spread modelling; that a running fire front would reach the Wai-Iti river by 1900 hrs and there would be the possibility of a new fire run on the other side of the Pigeon Valley which would threaten a significant amount of structures on South Pigeon Valley Road.

<b>10. Prepared by: Mark Forward</b> <b>Authorised by John Sutton (Incident Controller)</b>	<b>Date/Time:</b> 1900 8 <sup>th</sup> Feb 2019
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<b>1. Incident Name</b> Pigeon Valley	<b>2. Operational Period</b>	<b>INCIDENT OBJECTIVES</b> RF202
	Date 8&9/2/2019 Time 1900 - 0700	

**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. Specific operational tasks for this shift to meet objectives**

- Crew blacking out to 30m in 10m increments
- Patrol, and monitor all fire edges
- Heavy machinery to reinforce firebreaks and establish new lines identified in sectors.
- Urban appliances tasked for structure protection.

<b>5. Prepared by: Philip MacDonald</b>	<b>Date/Time: 1900 7/2/19</b>
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<b>1. Incident Name</b>	<b>2. Operational Period</b> Date 8&9/2/2019 Time 1900 - 0700	<b>ORGANISATION ASSIGNMENT</b> RF203	
<b>3. Incident Control</b>		<b>Phone</b>	<b>Radio Ch</b>
Incident Controller	(John Robinson)		
	John Sutton (NIMT) (Emergency)		
Deputy IC			
Information Officer			
Safety Officer	Tom Snodgrass		
	Nick Joyce		
	Matt Cook (NMIT) (Emergency)		
Liaison Officer			
<b>4. Agency Representative - Emergency contacts</b>		<b>Phone</b>	<b>Radio Ch</b>
Lead Agency	FENZ Ian Reade PRFO		
Agency	Police Cameron Mitchell		
Agency	Dan Mattison		
Agency	CDEM Becky Marsay		
Agency	CDEM Duty Phone		
Agency	FENZ Urban Liason Mark Boere		
<b>5. Planning/Intell Section - Emergency contacts</b>		<b>Phone</b>	<b>Radio Ch</b>
Planning/Intell Manager	Philip MacDonald		
Situations Unit	David Herries		
<b>Resources Unit</b>	Bobby Lamont		
<b>6. Logistics Section</b>		<b>Phone</b>	<b>Radio Ch</b>
Logistics Manager	Donna Anderson (NMIT)		
<b>7. Operations Section</b>		<b>Phone</b>	<b>Radio Ch</b>
Operations Manager	John Robinson		
Deputy Operations Manager			
	Trevor Tidy (Emergency)		
	Jamie Cowan (Emergency)		
	Kevin Cowper (Emergency)		
Division Alpha Commander	Grant Puklowski		
Division Xray Commander	Stu Heath		

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Division Yankee Commander	Dan Burrell		
Division Zulu Commander	Matt Taylor		
Division Rabbit Commander	Jarred Marahau		
Division Atawhai Commander	David Newton		
Air Division – Drone	Simon Bainbridge		
	Jayne Marsh		
Air Division Commander	Paul Shaw (NMIT) (emergency)		
<b>8. Prepared by:</b>	<b>Kevin Cowper</b>	<b>Date/Time: 1900 7/2/19</b>	

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<b>1. Incident Name</b> Pigeon Valley		<b>2. Operational Period</b> Date 8&9/2/2019 Time 1900 - 0700		<b>DIVISION ASSIGNMENT</b> RF204a	
<b>3. Division</b> Alpha		<b>4. Description</b>			
<b>5. Division Commander</b>	<b>Affiliation</b>	<b>Phone</b>		<b>Radio Ch</b>	
Grant Puklowski					
<b>6. Resources Assigned this Period</b>					
<b>Sector</b>		<b>Supervisor</b>		<b>Crews</b>	
2 Dozers					
3 Excavators					
3 4px Crew					
<b>7. Division Assignment/Special Instructions</b>					
Machine staged for immediate response - Sharp Valley					
Crews blanking out to 30m in 10m increments					
Patrol and monitor all of Div Edge					
<ul style="list-style-type: none"> <li>• A1 Patrol to ford boundary and evaluate up ridge to A2 and liaise.</li> <li>• A2 – x2 patrol either way</li> </ul>					
Alpha 1 - Div break to Ford on Sharps Rd					
Alpha 2 – From ford on Sharps rd to Cuthill Johnsons Rd intersection (updated Div break)					
<b>8. Division Communications</b>				<b>Phone</b>	<b>Radio Ch</b>
Operations Manager John Robinson					
<b>9. Prepared By:</b> Kevin Cowper				<b>Date/Time</b>	

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<b>1. Incident Name</b> Pigeon Valley		<b>2. Operational Period</b> Date 8&9/2/2019 Time 1900 - 0700		<b>DIVISION ASSIGNMENT</b> <small>RF204a</small>	
<b>3. Division</b> Xray		<b>4. Description</b>			
<b>5. Division Commander</b>	<b>Affiliation</b>	<b>Phone</b>		<b>Radio Ch</b>	
Stu Heath					
<b>6. Resources Assigned this Period</b>					
<b>Sector</b>		<b>Supervisor</b>		<b>Crews</b>	
<b>Radio Ch</b>					
3x 4WD Tankers					
2x Bulk tanker					
3x 4px Crew					
1x Dozer					
<b>7. Division Assignment/Special Instructions</b>					
<ul style="list-style-type: none"> <li>• X1 To patrol, let fire come to edge and direct attack Dozer to clear Johnsons Rd from Cuthill Rd to Sunrise valley Rd at the forestry gate</li> <li>• X2 Patrol</li> <li>• X3 Monitor</li> </ul> <p>Xray 1 – Cuthill/Johnsons Red intersection (new Div break) to 5423000/1603000  Xray 2 - 5423000/1603000 to intersection of Redwood Valley Rd and Red Stage lane  Xray 3 - Redwood Valley Rd and Red Stage lane to Yankee div break</p>					
<b>8. Division Communications</b>				<b>Phone</b>	
Operations Manager John Robinson				<b>Radio Ch</b>	
<b>10. Prepared By:</b> Kevin Cowper				<b>Date/Time</b>	

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<b>1. Incident Name</b> Pigeon Valley		<b>2. Operational Period</b> Date 8&9/2/2019 Time 1900 - 0700		<b>DIVISION ASSIGNMENT</b> RF204a	
<b>3. Division</b> Yankee		<b>4. Description</b>			
<b>5. Division Commander</b>	<b>Affiliation</b>	<b>Phone</b>		<b>Radio Ch</b>	
Dan Burrell					
<b>6. Resources Assigned this Period</b>					
<i>Sector</i>	<i>Supervisor</i>		<i>Crews</i>	<i>Radio Ch</i>	
1x Dozers					
1x Urban Appliances					
3x 4px Crew					
<b>7. Division Assignment/Special Instructions</b>					
<ul style="list-style-type: none"> <li>• Y1 Mop up and patrol</li> <li>• Y2 Dozer build line TBD 1 Appliance to protect mill and associate structures</li> </ul> <p>Yankee 1 – South edge of mill to div break at Zulu Yankee 2 – Xray div break to south edge of the mill</p>					
<b>8. Division Communications</b>				<b>Phone</b>	<b>Radio Ch</b>
Operations Manager John Robinson					
<b>11. Prepared By:</b> Kevin Cowper				<b>Date/Time</b>	

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<b>1. Incident Name</b> Pigeon Valley		<b>2. Operational Period</b> Date 8&9/2/2019 Time 1900 - 0700		<b>DIVISION ASSIGNMENT</b> <small>RF204a</small>	
<b>3. Division</b> Zulu		<b>4. Description</b>			
<b>5. Division Commander</b>	<i>Affiliation</i>	<i>Phone</i>		<i>Radio Ch</i>	
<b>6. Resources Assigned this Period</b>					
<i>Sector</i>		<i>Supervisor</i>		<i>Crews</i>	
2x Dozers					
2x Excavators					
1x 4px Crew					
1x Bulk Tanker					
1x 4wd Tanker					
2x Smoke Chaser					
2x Urban Crew					
2x Rural Crew					
<b>7. Division Assignment/Special Instructions</b>					
Brush up firebreaks and establish new lines TBD					
<ul style="list-style-type: none"> <li>• Z1: Rural patrol Continue current line with HEQ onto 22 Smoke chaser with experienced crew monitor area west of Golf course, local knowledge critical.</li> <li>• Z2 Urban patrol for structure protection Teapot Valley and surround</li> </ul>					
Zulu 1 – Alpha div break to Barton Lane Zulu 2 – Barton lane to Yankee div break.					
<b>8. Division Communications</b>				<i>Phone</i>	
Operations Manager John Robinson					
<b>12. Prepared By:</b> Kevin Cowper				<b>Date/Time</b>	

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<b>1. Incident Name</b> Pigeon Valley		<b>2. Operational Period</b> Date 8&9/2/2019 Time 1900 - 0700		<b>DIVISION ASSIGNMENT</b> <small>RF204a</small>	
<b>3. Division</b> Atawhai		<b>4. Description</b>			
<b>5. Division Commander</b>	<b>Affiliation</b>	<b>Phone</b>		<b>Radio Ch</b>	
David Newton					
<b>6. Resources Assigned this Period</b>					
<i>Sector</i>	<i>Supervisor</i>	<i>Crews</i>	<i>Radio Ch</i>		
<b>7. Division Assignment/Special Instructions</b> Crew and equipment resourcing to be confirmed based aerial and ground inspections.					
<b>8. Division Communications</b>					
Operations Manager		John Robinson	[REDACTED]		<i>Radio Ch</i>
<b>13. Prepared By:</b> Kevin Cowper			<b>Date/Time</b>		

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<b>1. Incident Name</b> Pigeon Valley		<b>2. Operational Period</b> Date 8&9/2/2019 Time 1900 - 0700			<b>AIR OPERATIONS PLAN</b> RF208	
<b>3. Personnel and Communications</b>						
<b>Position</b>		<b>Name</b>		<b>Affiliation</b>	<b>Phone</b>	<b>Radio Chan</b>
Air Div Commander		Paul Shaw (Emergency)				
Air Division – Drone		Simon Bainbridge				
		Jayne Marsh				
<b>4. Air Resource Assignments</b>						
<b>Pilot Name/ Company</b>	<b>Aircraft Type</b>	<b>Reg or Call sign</b>	<b>Assign- ment</b>	<b>Tactical Freq/Chan</b>	<b>Name</b>	<b>Telephone Numbers</b>
Interpine	RPAS / UAV	PINES1		Fire 4		
<b>5. Location of Filling Points/Service Areas</b>						
<b>Name</b>				<b>Grid Reference</b>		
Heli base				-41.31777, 137.10987		
Fixed wing				41 22 39.9 S 173 05 04.6 E		
<b>6. Safety Notes / Hazards / Radio Coverage Limitations</b>						
<b>7. Air Operations Special Equip or Service</b> Drone operations are tasked to monitor sector Zulu and Yankee for fire movement with infrared						
<b>8. Prepared By:</b> Paul Shaw				<b>Date/Time:</b> 1900 7/2/19		

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<b>1. Incident Name</b> Pigeon Valley		<b>2. Operational Period</b> Date 8&9/2/2019 Time 1900 - 0700		<b>COMMUNICATIONS PLAN</b> RF205	
<b>3. Radio Channels</b>					
<b>Assigned To</b>	<b>Function</b>	<b>Channel</b>	<b>Frequency</b>	<b>System</b>	
Command		Waimea 1	152.55000 RX 154.33125 TX		
Division Alpha	Operational	Fire 1	143.82500		
Division Zulu	Operational	Fire 2	143.78750		
Division Yankee	Operational	Fire 3	140.92500		
Division Xray	Operational	Fire 1	143.82500		
Division Bravo	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 154.33125 TX		
Resources		Waimea 1	152.55000 RX 154.33125 TX		
FireCom		FireCom			
2 Hourly - Sitrep		OPSR2	Use mobile if difficult coms to FCP		
<b>4. Telephone</b>					
<b>Assigned To</b>	<b>Landline</b>	<b>Cell phone</b>	<b>Fax</b>	<b>Comments</b>	
Emergency		111			
Regional Command Centre (RCC)					
<b>6. Other (e.g. email, Satphone, etc)</b>					
Resources	<a href="mailto:resources@FENZNelsonIMT.com">resources@FENZNelsonIMT.com</a>				
Safety	<a href="mailto:safety@FENZNelsonIMT.com">safety@FENZNelsonIMT.com</a>				
Logistics	<a href="mailto:logistics@FENZNelsonIMT.com">logistics@FENZNelsonIMT.com</a>				
PIM	<a href="mailto:pim@FENZNelsonIMT.com">pim@FENZNelsonIMT.com</a>				
Planning	<a href="mailto:planning@FENZNelsonIMT.com">planning@FENZNelsonIMT.com</a>				
Forward Control Point (FCP)	<a href="mailto:icu.nelson@fireemergency.nz">icu.nelson@fireemergency.nz</a>				
Situation / GIS / Intel	<a href="mailto:situation@FENZNelsonIMT.com">situation@FENZNelsonIMT.com</a>				
Operations	<a href="mailto:operations@FENZNelsonIMT.com">operations@FENZNelsonIMT.com</a>				
Photos and imagery	Join Facebook site; Pigeon Valley Fire - INTERNAL COMMS			<a href="https://www.facebook.com/groups/1924082991035550/">https://www.facebook.com/groups/1924082991035550/</a>	
<b>6. Prepared by:</b> Tayla August				<b>Date/Time</b> 1900 7/2/19	



<b>1. Incident Name</b> <b>Pigeon Valley</b>	<b>2. Operational Period</b> Date 8&9/2/2019 Time 1900 - 0700	<b>SAFETY PLAN</b>  RF209
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**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 (Complete DTR's).

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

LACES	Fire Orders	Watchouts
<b>L - Lookout(s)</b> <b>A – Awareness</b> – Anchor Point(s) <b>C – Communication(s)</b> <b>E – Escape Route(s)</b> <b>S – Safety Zone(s)</b>	<ol style="list-style-type: none"> <li>1. conditions and forecasts</li> <li>2. Know what your fire is doing at all times.</li> <li>3. Base all actions on current and expected fire behaviour of the fire.</li> <li>4. Identify escape routes and safety zones and make them known.</li> <li>5. <b>Post</b> lookouts when there is possible danger.</li> <li>6. <b>Stay</b> alert. Keep calm, Think clearly, act decisively.</li> <li>7. Maintain prompt communication with your crew/s, your supervisor and adjoining crews.</li> <li>8. Give clear instructions and ensure they are understood.</li> <li>9. Maintain control of your crew/s at all times.</li> <li>10. <b>Fight</b> fire aggressively having provided for safety first.</li> </ol>	<ol style="list-style-type: none"> <li>1. Fire size is unknown (no size up).</li> <li>2. Unfamiliar territory</li> <li>3. Safety zones and escape routes not identified.</li> <li>4. Unfamiliar with weather and local factors influencing fire behaviour.</li> <li>5. No communications link with crew members or supervisor.</li> <li>6. Instructions and assignments not clear.</li> <li>7. Weather is getting hotter, drier and relative humidity dropping</li> <li>8. Wind increases and/or changes direction.</li> <li>9. Getting frequent spot fires across the line</li> <li>10. Working uphill or down wind of a fire</li> <li>11. Working on a steep slope</li> <li>12. Working in rugged terrain</li> <li>13. Can't see main fire</li> <li>14. In unburnt vegetation</li> <li>15. Walking through hot ashes</li> <li>16. Working alone</li> <li>17. Getting tired</li> <li>18. Working near power lines</li> <li>19. Working near machinery</li> <li>20. Working with aircraft</li> <li>21. Working around trees or spars</li> </ol>

- 4. Specific Safety Points**
- All access points into fire are controlled. Only those authorized to enter and they must receive a briefing and be logged including time and point of access
  - Public access managed by cordons
  - Weather fire behaviour monitored for changes and communicated to crews. Use kestrels to gather weather data. Risk identified to crews.
  - All crews to have adequate food, water, PPE to manage fatigue and hydration.
  - Work rest periods enforced. Seek shade during rest period.
  - Ensure nine-hour rest periods before returning to fire ground.
  - Crews to have identified emergency escape routes and emergency plan in the event of harm. Meeting at pre-identified evacuation point 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 Yankee) from Eves Valley Landfill. Avoid if possible.
  - Avoid skid sites where stability of surface cannot be assured.
  - Particular care in smoke, work in smoke and traveling in smoke.
  - Ensure operational separation from Air-ops at forward command post
  - Follow carpark signage at Forward command post
  - Report all incidents and near misses to safety officer.
  - Be sun smart, use hats and cover completely.

<b>5. Prepared By:</b> Matt Cook	<b>Date/Time</b> 1900 7/2/19
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<b>1. Incident Name</b> Pigeon Valley		<b>2. Operational Period</b> Date 8&9/2/2019 Time 1900 - 0700		<b>MEDICAL PLAN</b> RF206				
<b>3. First Aid Station Name</b>		<b>Location</b>		<b>Phone/Radio Channel</b>		<b>Paramedics available at Station</b>		
Each Crew must have available one First aid Level 1 Certified		Each crew						
Nelson 91 Ambulance		Forward command post		Waimea 1		1 Paramedic and 1 EMT		
<b>4. Transportation Ambulance Service</b>		<b>Address</b>		<b>Phone/Radio Channel</b>		<b>Paramedics available with Ambulance</b>		
Ambulance St Johns		Closest unit		111		Yes		
<b>5. Hospitals</b>		<b>Address</b>		<b>Phone</b>		<b>Travel Time</b>	<b>Burn Unit</b>	<b>Heli Pad</b>
<b>Hospital Name</b>						<b>Road</b>	<b>Air</b>	
Nelson Public Emergency		Waimea Rd.		111		27m	4min	y
Hutt Hospital (Burn Unit)				111		n/a	40min	Y
<b>6. Special Emergency Procedures</b>								
St John will transport patients to whichever health facility is appropriate								
<b>7. Prepared By:</b> Mike Casey Shift - Manager Nelson				<b>Date/Time</b> 1900 7/2/19				
<b>8. Reviewed by Safety Advisor:</b> Matt Cook				<b>Date/Time</b> 1900 7/2/19				

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<b>1. Incident Name</b> <b>Pigeon Valley</b>	Date 8&9/2/2019 Time 1900 - 0700	<b>Weather Forecast</b>
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**11 am – 6 pm Friday**

**Rainfall:** Nil.

**Sustained wind:** NE 10-15 km/h through to 6 pm.

**Wind gusts:** Gusts gradually increasing to around 35 km/h from near midday through to 6 pm.

**Temperature:** 17°C increasing to a maximum 20-21°C by early-to-mid-afternoon.

**Humidity:** Decreasing from near 60% early to 40-45% by early afternoon. Humidity then increases to 70-75% by 6 pm.

**6 pm Friday – 6 am Saturday**

**Rainfall:** Slight chance for a shower near 6 am. Amounts, if any, 2 mm or less.

**Sustained wind:** E gradually turning SW by 9pm, 10 km/h or less.

**Wind gusts:** Gusts up to 25 km/h through to 9 pm, then 15 km/h or less thereafter.

**Temperature:** Decreasing to near 13°C early morning.

**Humidity:** Increasing to near 95% after midnight.

**Outlook for Saturday:**

Chance of scattered rain showers around mid-day. Rainfall, if any, less than 2 mm.

Afternoon wind gusts up to 40 km/h possible.

Maximum temperature 22°C.

**Outlook for Sunday:**

Rainfall, if any, 1 mm or less.

Afternoon wind gusts up to 50 km/h possible.

Maximum temperature 23-24°C.

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## FIRE BEHAVIOUR FORECAST

<b>Fire name: Pigeon Road</b>				<b>Prediction for: 0800-1800 08 Feb-19</b>					
<b>Prepared by: M Forward</b>				<b>Time and date issued: 1400 07 Feb 19</b>					
<b>Forecast no. 4</b>				Day Shift					
<i>Assumptions:</i>				<i>Friday's forecast</i>					
<b>Temp</b>	<b>RH</b>	<b>Wind</b>	<b>Slope *</b>	<b>FFMC</b>	<b>DMC</b>	<b>DC</b>	<b>ISI</b>	<b>BUI</b>	<b>FWI</b>
20	52	12	0	88	101	470	5.8	132	24

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

**Fire Behaviour General:**

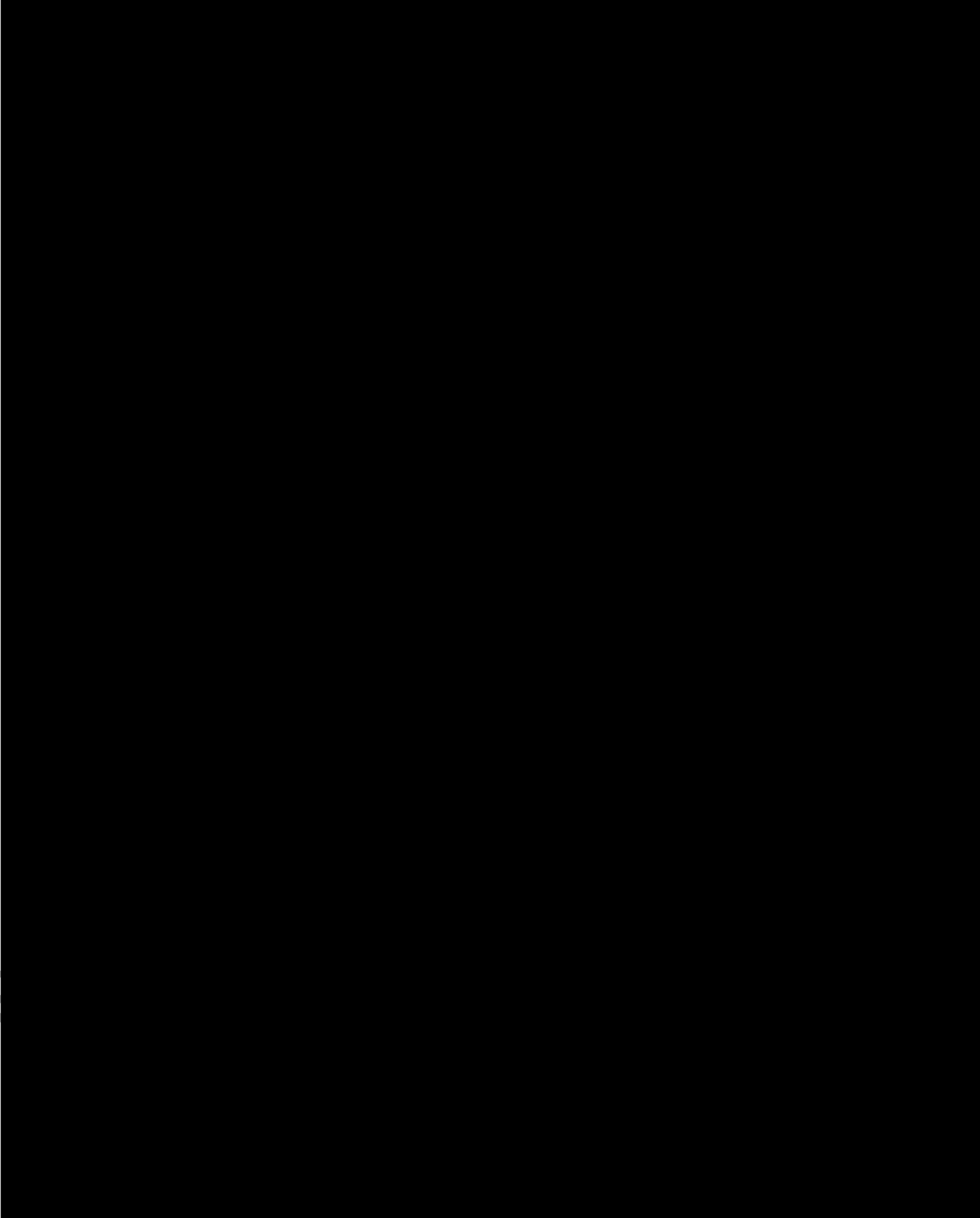
<b>Expected fire behaviour</b> – slope 0°	<b>Forecast</b> worst case – 28°C 45%RH slope 20° 1400-1800
<i>Fuel type: Mature Pine – 5m pruned</i>	<i>Fuel type: Mature Pine – 5m pruned</i>
Expect HF rate of spread of 50 m/hr HF Intensity 800 kw/m Flame lengths 1.5-2	Expect HF rate of spread of 200 m/hr HF Intensity 2100 kw/m Flame lengths 3 m
<i>Fuel type: Scrub/gorse 2m height</i>	<i>Fuel type: Scrub/ gorse 2m height</i>
Expect HF rate of spread of 1000 m/hr HF Intensity 10000 kw/m Flame lengths 6 m	Expect HF rate of spread of 3000 m/hr HF Intensity >10000 kw/m Flame lengths 13 m
<i>Fuel type: Grass-80% GC, 100% cover, 0.1m height</i>	<i>Fuel type: Ungrazed Grass -70% GC, 100% cover, 0.2m height</i>
Expect HF rate of spread of 200 m/hr HF Intensity 350 kw/m Flame lengths 1.2 m	Expect HF rate of spread of 600 m/hr HF Intensity 1150 kW/m Flame lengths 2 m
<b>Safety Considerations:</b>	
Head Fire intensity, and flank fire intensity exceed threshold for direct attack in gorse/ scrub fuels.	Head Fire intensity exceed threshold for direct attack in gorse and mature pine fuels, and flank fires in gorse. Flank fires intensity is now too high for ground crews
<b>Summary timeline:</b> Based on the Dovedale weather station and NIWA forecasting, Friday is predicting to have NE winds stronger than Thursday.	

If prediction time is before 1200 NZST, use yesterday's noon daily FWI values; if after 1200 NZST, use today's FWI values.

# Fire Type = Surface fire (S), Intermittent (I) (i.e., torching), or continuous Crown fire (C)

<b>1. Incident Name</b> Pigeon Valley	<b>2. Operational Period</b> Date 8&9/2/2019 Time 1900 - 1900	<b>MAPS</b> RF
<b>3. Download Avenza PDF Maps, Scan the Following Codes to Access Digital Maps</b>		

**QR CODES FOR MAP DOWNLOAD**







082

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**1. Incident Name**

Pigeon Valley Fire, Nelson

**3. Operational Period**

07 &amp; 08/02/2019 – 1900 to 0700

# Public Information Management Plan

## Overview of PIM response

The NIMT and FENZ PIM team is working to support the Nelson Tasman Civil Defence PIM team. Is it essential that the information coming in from the fire ground (with regards to FENZ operations) is collated by the NIMT Situation Unit and shared to the Civil Defence IMT - this is done through the PIM teams working collaboratively and assists in timely, accurate and relevant information to all stakeholders involved.

Update @ 1830hrs: We have been informed late this evening that the weather forecast for tomorrow indicates the potential for smoke to blow over the Nelson City area at approximately midday. Messaging around this health risk will need to be included in future communications to the public.

## NIMT PIM team – as at Thursday 7<sup>th</sup> February

**PIM Manager** – Tayla August,**PIM Manager 2IC** - Vanessa MacFarlane,**Media Manager** - Pete van Schaardenburg,**PIM Support** – Jess Chaplan**Social Media Manager, Community Liaison, Evac/Alerts** – Civil Defence

The **PIM Team roster** is available from NIMT Logistics Manager. There is a number of personnel changes occurring from tomorrow afternoon with a handover period.

## PIM meetings for 07/02/2019

10:30hrs – 1<sup>st</sup> Planning Meeting

13:00hrs – Tactics Meeting (sit-in only)

17:00hrs – 2<sup>nd</sup> Planning meeting & IAP Approval

Other informal meetings as required

## FENZ Stakeholders and Audience Groups

Organisation	Detail	Name	Contact Info
FENZ Org (forward system to ELT, NCC, OCE and Board)	Requires regular updates – committed to 4x updates daily at 0800hrs, 1100hrs,	RCC Christchurch	<a href="mailto:Rcc.tauranga@fireandemergency.nz">Rcc.tauranga@fireandemergency.nz</a> and cc, Paul Henderson, Brian Keown, Mike Grant and <a href="mailto:Media@fireandemergency.nz">Media@fireandemergency.nz</a>

	1500hrs and 1900hrs		
Evacuated Residents	Community Meeting – first one held at 0900 on Thursday 7 <sup>th</sup> Feb. Next one potentially Sat 9 <sup>th</sup> Feb.	Various	Comms through social media, Civil Defence website, welfare team and media.
Interested Public	Local community (not evacuated) and wider	Various	Social media posts, Civil Defence website, FENZ website, media outlets
Cordons	Managed by Police, kept updated via PIM team		Police Liaison in IMT
IMT and Support Staff	Information to help their roles	*See structure charts	Briefings, meetings, conversations between the teams, Sit Reps
Media Outlets	Require full-time management and contact	*See media list	

Direct message distribution	Details of the specific sites or types
Websites	Nelson Tasman Civil Defence - <a href="http://www.nelsontasmancivildefence.co.nz/">http://www.nelsontasmancivildefence.co.nz/</a> Fire and Emergency NZ <a href="http://www.fireandemergency.nz">www.fireandemergency.nz</a>
Social media	Main channel: Nelson Tasman Civil Defence facebook page Tasman-Malborough Fire Area facebook page
Helpline	Welfare Helpline – [REDACTED]
Information points	Cordons (located as per map)
Community contacts/meetings	Community Meeting tentatively scheduled for Saturday 9 <sup>th</sup> Feb at 0900hrs at Appleby Fire Station.
Media message distribution	Specific stations or publications
Radio	*See media list <b>The Project (TV)</b> have requested for interviews with firefighters for tomorrow night's show (8 <sup>th</sup> Feb)
TV	
Newspapers	
Media	Schedule

Media briefing/conferences

Proposing Media Stand Up at 8am – TBC depending on interest overnight.

Media site visits

None scheduled currently.

Interviews

Checkpoint interviewing John at 10pm tonight (07/02/19)

**Message monitoring**

Messaging being monitored by Civil Defence PIM Team and dealt with / passed on accordingly. FENZ PIM team are supporting for Media management and FENZ / Operational information requiring to be gathered and shared.

Prepared by: Tayla August

Date: 7/2/19 1900hrs

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