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EMERGENCY PREPAREDNESS & RESPONSE PLAN (EPRP)



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APPENDICES

Appendix 1: Emergency Contacts	Appendix 4: Log Spills ERP
Appendix 2: NWB Crew ERP	Appendix 5: Office ERP Template
Appendix 3: Export Facilities ERP	Appendix 6: Spill Equipment – Log Handling Facilities
*note, additional appendices may be developed in the interim between publications of the EPRP, this list will be updated at subsequent updates / publications of the full EPRP	

PURPOSE

The Emergency Preparedness and Response Plan (EPRP) provides guidance to employees and contractors for preparing and responding to various emergency situations on lands managed by Mosaic Forest Management (Mosaic) or those occurring on neighboring properties or facilities that may potentially impact Mosaic workers or infrastructure.

SCOPE

The EPRP applies to employees and contractors carrying our forest management activities (and supporting services) on lands managed by Mosaic (including related facilities such as shops, dryland sorts, landfills, etc.).

Mosaic is organized into three operating regions:

- North Island Region (north of Buckley Bay, Mainland and Haida Gwaii).
- Central Island Region (Buckley Bay to Nanaimo, Nanaimo Lakes and Port Alberni).
- South Island Region (Nanaimo Lakes south).

LOG PURCHASE PROGRAM

In cases where Mosaic is acting as the “Manager/ Supervisor” of timber purchase harvesting operations (i.e., has management control), this EPRP and the requirements contained within apply to the project.

LOG SHIPPING FACILITIES

In addition to this EPRP, log shipping facilities are also regulated under Transport Canada, and as such must have Marine Facility Security Plans in place, including emergency response procedures that are supplemental to these procedures and address transportation security measures.

DOCUMENT CONTROL

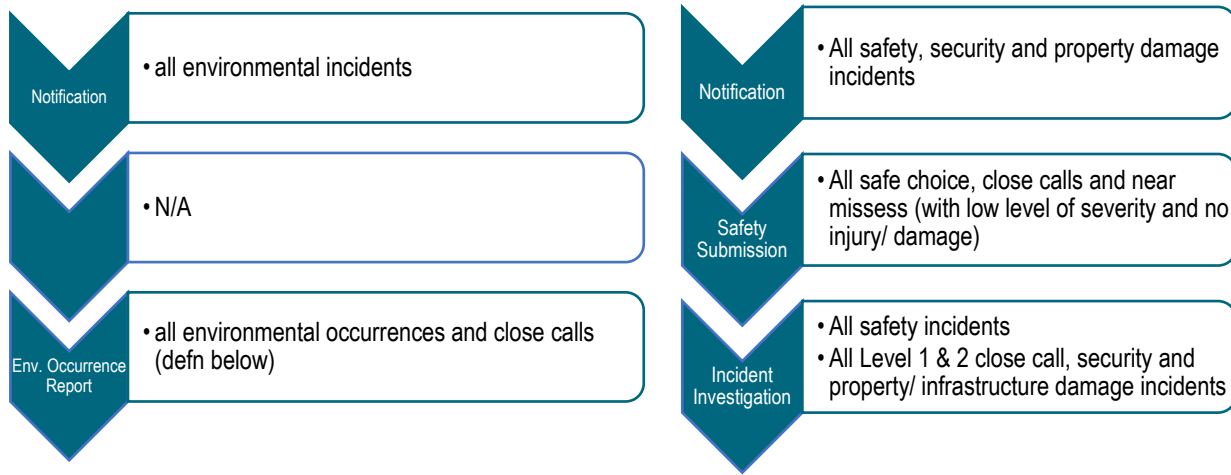
Printed copies of the EPRP are not controlled documents and the information contained within was deemed accurate at the time of printing.

Printed manuals may be issued annually to specific individuals.

Contact names and numbers may change between publications, however, updates will not be published or forwarded between printed editions.

INCIDENT REPORTING & INVESTIGATIONS

An overview of the Incident Notification, Reporting and Investigation requirements is provided below for timberlands and purchasing operations, refer to the following text for detailed procedures.



INCIDENT TYPES

- Incidents may involve both environmental and safety aspects (e.g., vehicle accident with fuel spill).

Table 1: Incident Types

Incident Type	Description
Safety	<p>Defined as harm to a person, damage to property or potential for harm or damage.</p> <p>Bullying & Harassment An event involving inappropriate conduct, or comment, by a person towards another.</p> <p>Close Call (Near Miss) An event with the potential to result in injury or damage.</p> <p>Damage An event that has caused damage only and does not involve injury.</p> <p>Fatality Any case in which any person (employer, contractor or member of the public) obtains injuries severe enough to cause death.</p> <p>First Aid Case Any one time visit to a first aid attendant for treatment and subsequent observation of minor scratches, cuts, burns, splinters, and so forth, which do not require professional medical care. FA cases do not include re-treatment. Also includes minor injury where no visit to FA attendant is completed.</p> <p>Lost Time Case Any recordable case in which an employee loses one or more days from work due to an occupational injury or illness, or when wage loss compensation is paid by the Workers' Compensation Board (WCB).</p> <p>Medical Aid Case A visit to a qualified practitioner where the care was primarily diagnostic and not as treatment as defined below in the Medical Treatment section</p> <p>Medical Treatment Case Medical Treatment includes treatment (other than first aid) administered by a physician or by a registered medical professional under the standing orders of a physician.</p> <p>Restricted Work Case Any recordable case in the current year in which an employee, due to occupational injury or illness, is assigned restricted work activity.</p> <p>Safety Share knowledge that does not relate to a particular event, but sharing could improve awareness of a safety issue.</p> <p>Significant Incident and Failure Potential (SIFp) An incident with the potential to cause a serious lost time or threat to life.</p>

<p>Environmental Occurrence</p>	<p>There is no single definition of an Environmental Occurrence (EO), hence the importance of reviewing the situation with relevant management/ planning staff.</p> <p>In general, an EO is an event on the landscape, in an operating area for which Mosaic has responsibilities, and has materially damaged or threatens to materially impact the environment with consequences for public health or safety, wildlife, water quality, land-based assets, public relations, or is an event under regulation requiring reporting to government agencies. EOs include:</p> <ul style="list-style-type: none"> – incidents due to non-conformance with the Environmental Management System and/ or certification standard non-conformance, even in situations where no environmental damage has occurred. – operational caused fires – close call incidents. <p><u>Active Environmental Occurrence</u> is one that occurs where, excluding forest fires or extreme weather, the event is caused by:</p> <ul style="list-style-type: none"> – a spill deemed significant due to impacts or size or – a harvesting, road construction / deactivation / maintenance or log sort operation that is underway or occurred within the previous three years. This also includes situations that could have been prevented through application of different management strategies or actions. <p><u>Extreme weather event:</u> An event confirmed by a qualified professional to be larger than a 1-in-50-year storm event. Mosaic weather station data could be used to determine if wind, precipitation or other parameters were 100% over the climate normal or historic record to warrant extreme weather determination. Where landscape level data is not available a site level determinations could be made by the field observations of a Professional Engineer or Geoscientist.</p> <p><u>“Material” damage or potential impacts:</u> \$1 million financial impact and the remainder of “moderate” impact severity as defined in the Corporation’s Enterprise Risk Management Policy.</p>
<p>Other</p>	<p>Other types of incidents that may occur include property damage, infrastructure damage or security/ forest protection.</p>

- Mosaic Incident categories are further defined as follows:

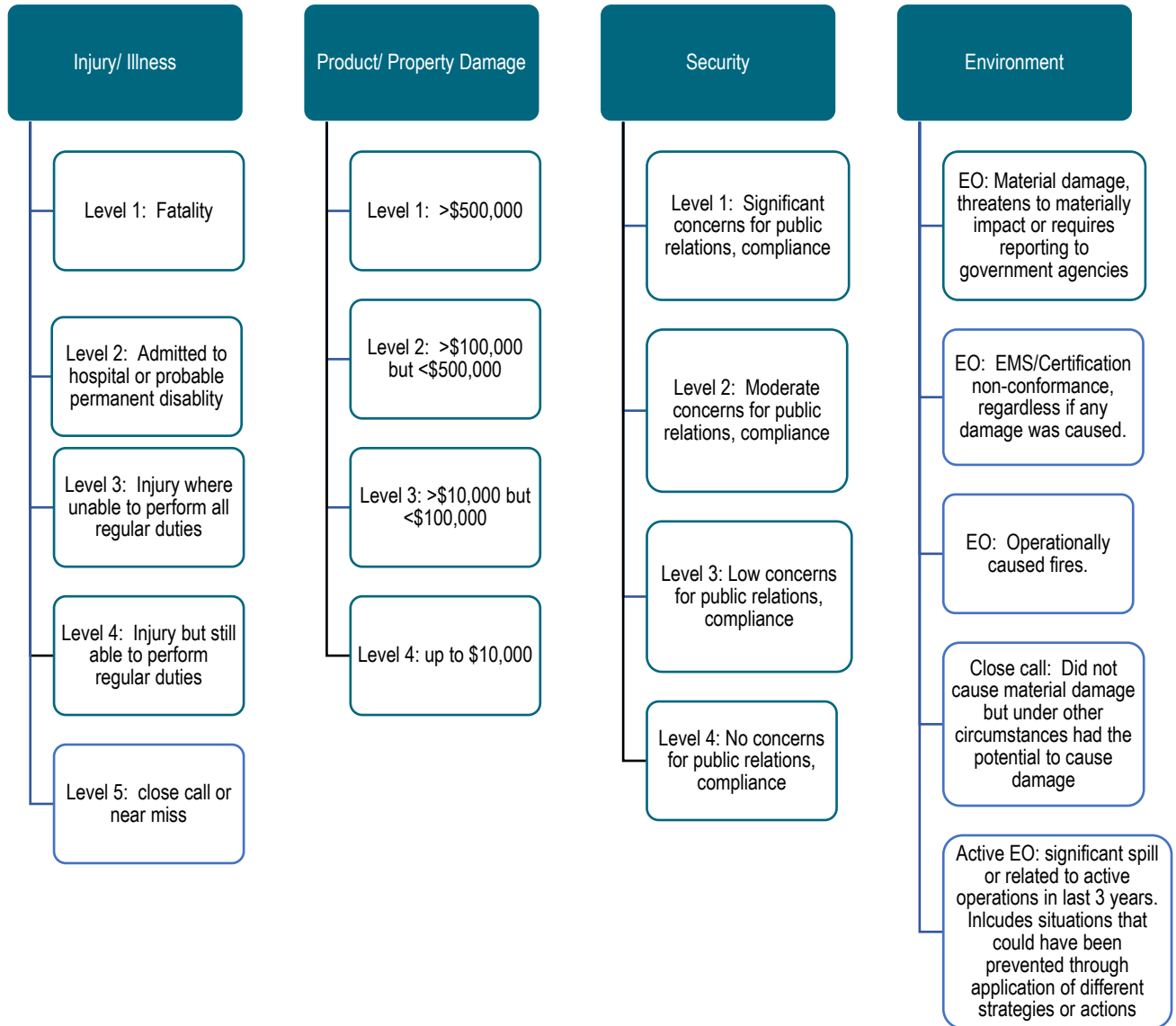


Figure 1: Incident Categories

Solicitor Client Privilege

- Solicitor-client privilege (SCP) may be invoked at any point in the incident reporting process, where required. Instructions are provided to the Mosaic Representative that reported the incident and the applicable Administrator regarding privileged information in order to ensure appropriate filing within the corporate files. SCP is typically invoked by the following personnel:
 - Safety Incidents – Director, Health & Safety.
 - Environmental Incidents – Director, Sustainability.
 - Property Damage / Infrastructure – any Executive Management Team member.
 - Security – Manager, Forest Protection.

INCIDENT NOTIFICATIONS

Table 2: Incident Notification

Incident Type		Incident Level	Who	Action	When
Safety Environment Property / Infrastructure Damage Security	All	All	Worker	Report all incidents to the Supervisor.	Promptly
	All	All	On-Site Supervisor	Report all incidents to the Mosaic Manager (e.g., Itrak Contractor Incident Notification Form).	Promptly
	Fire Only	All	Mosaic Manager/ Fire Warden	For all Fires, complete Fire Event Notification Form (Itrak)	Promptly
	All	All	Mosaic Manager	Complete Notification to relevant Mosaic Staff for all incidents (e.g., Itrak Incident Notification Form).	Promptly
	All	1, 2	Mosaic Manager	Follow up contact with the applicable Executive Management Team member. Communicate if an Executive member should proceed to the scene.	Promptly

- Ensure that the Incident Notification contains only factual information (i.e., don't embellish details or add suspicions / thoughts about causes of incidents).
- Upon receipt of notification of an incident, Mosaic Managers will determine the severity level for the incident (according to the Investigation Process Overview noted below) to assist in completion of required follow up report forms / investigations as applicable.

Safety Summaries

- Mosaic Safety Central utilizes regular Safety Reports as well as the Safety Alert process when applicable.

INCIDENT REPORTS

Table 3: Incident Reporting

Incident Type	Report / Form	Timing	Requirements
Safety Submissions	Safety Submission Report	72 hrs	<ul style="list-style-type: none"> – All safe choice, close calls and near misses (with low level of severity and no injury / damage). – Alternate timeline may be agreed to with a Mosaic Representative.
Environmental Occurrence	EOR	Promptly	– Completed for all environmental occurrences (defn. above).
	EOR Supplemental	N/A	– Completed as deemed required by the EOR review team during review of the EO Reports, to facilitate a more detailed review of immediate and root causes for specific incidents.
	Fire Action Log	N/A	<ul style="list-style-type: none"> – Completed by the Fire Warden / Boss. – Documents fire-fighting activity until fire is successfully extinguished. – For un-planned fire events that impact a forest resource (excluding machine fires, vehicle fires, etc. that are promptly extinguished and do not spread to adjacent lands).

Environmental Occurrence Report & Supplemental

- This process is led by the Director, Sustainability. The Director will involve representatives from other departments where necessary.
- There is not always sufficient time to report certain EOs using the full template via email to appropriate agencies. In such cases, it is more important that a phone call or short email is made to the agency. The EO report can then be submitted as soon as practicable, with a note on the report.
- Mosaic Operations (Timberland, Purchase) reporting protocol:
 - Note that certain types of EOs need to be reported to agencies within 24 hours of discovery. It is important to address EO reporting promptly. All reporting should be coordinated through the Director, Sustainability.
 - Anyone noticing a possible EO on Mosaic Timberland Operations or Purchase Operations should contact the Area Planner or Log Purchaser to review the occurrence.

Table 4: EOR Reporting Protocol

Operation	Reporting Protocol
Timberlands Operation Purchasing Operations	Pertinent Area Planner / Log Purchaser should prepare and submit original reports from Timberland / Purchase to Director, Sustainability to assess for agency reporting requirements. <ul style="list-style-type: none"> – Use latest Mosaic EO Report Form (fillable form or Itrak form). – General Manager, Operations or Senior Manager, Log Purchase to receive a copy of EO report where relevant. – Director, Sustainability or delegate to confirm proper distribution for EO report, in review with Legal Department if appropriate. – Director, Sustainability or delegate will submit to agencies as/ if needed.
Fires	Similar to above, with Fire Warden leading completion of the EO Report.
Log Handling	Site Facility Manager should discuss EOs with Director, Sustainability if uncertain of reporting requirements.
Other Operations	Contact Director, Sustainability for direction.

Follow Up Actions

- Contract Managers will be responsible to engage contractors for remedial works unless they specifically ask other staff for assistance.
- Where the EOR is completed within Itrak, the action items are updated by each assignee within Itrak.
- For EORs completed outside of Itrak (i.e., PDF fillable form), when the assignee completes the item, they then ensure that the EO report is updated, and work with administrative staff to ensure the next action item is properly listed in the corporate task management system.

Records & Filing

- Digital EOR & Supplemental templates (maintained by Sustainability and administrative staff) will be kept in a single directory in central files for each Region, including:
 - a filing structure.
 - a naming convention of events will be used for naming Environmental Occurrences (i.e., REGION – YEAR – EVENT# - Description).
- Mapping for the purposes of submission to relevant agencies will be done using the Land Resource Manager template.
- All EO paper and digital reports are to be filed in single and consistent locations at each operation.

- EO Reports can be used with other EMS reports, such as those for reportable spills to assist with tracking.
- Director, Sustainability or delegate may internally disseminate information regarding EOs that may reveal new understanding of risk management techniques. EOs that show unique or critical scenarios as precursors may be summarized and distributed externally through monthly reporting to reduce the hazard of similar circumstances having negative impacts at other locations managed by the Company.

Site Reports

- Consult with Director Sustainability or delegate if uncertain when / where professional expertise is needed for site reports / remedial action planning.
- Store detailed field reviews/reports completed by professional and / or other staff. Ensure drafts are differentiated from completed reports.

Cost Coding

- Check with accountants for appropriate coding in the event that an insurance claim has been established.

INVESTIGATIONS

- A formal Incident Investigation is conducted to assess root cause, prescribe corrective and preventative actions, and address weaknesses within the management system as well as to reflect the commitment to continually improve.

Safety Investigations

Table 5: Safety Investigation

Incident Type	Report/ Form	Timing	Requirements
Safety	Use the relevant templates: -Contractor Form -CHAG Form -BC Forest Safety Council -Mosaic Form -or other form as approved by the H&S Director	Preliminary Investigation within 48hrs (WorkSafe BC reportable incidents); submitted to Mosaic within 72hrs Final Investigation within 7 days (unless alternate is approved). WorkSafe BC timeline is 30 days.	<ul style="list-style-type: none"> - Completed for all incidents that require immediate notification or reporting to WorkSafe BC (see external reporting section). - Also, must be completed for all incidents that: <ul style="list-style-type: none"> ▪ resulted in injury to a worker requiring medical treatment, or ▪ did not involve injury or involved only a minor injury not requiring medical treatment but had the potential for causing serious injury to a worker. - Also completed for the following incidents with the potential for severity Level 1 and 2: <ul style="list-style-type: none"> ▪ Security ▪ Property / Infrastructure Damage - Completed by Mosaic, contractors and / or jointly as deemed required. - Copy forwarded to H&S Department circulates to Management and Executive as appropriate.

- Investigations are completed in a timely manner consistent with the depth of the investigation and any required external timelines, where applicable (i.e., WorkSafe BC), refer to the summary table above.
- Mosaic may participate in contractor incident investigations dependant on the severity of the incident. For serious incidents, Mosaic may also designate a third party to complete and independent investigation.
- Copies of investigations must be sent to Mosaic Safety Central.

- Additional considerations for Mosaic investigations include:
 - all company crew related safety investigations require a Crew Representative to participate in the process.
 - if you require the assistance of any outside parties in completing the investigation, contact the H&S Director.
 - treat all investigations as confidential and ensure all communications with external parties is done through, or with the approval of, a member of Senior Management.

Environmental Investigations

The EOR Supplemental form is used to conduct environmental investigations for specific incidents, as deemed required by the Mosaic EOR Team, where additional documentation or investigation into the incident is required. Refer to the EOR section above for details.

EXTERNAL AGENCIES

External Reporting

- External reporting is generally completed by Mosaic Representatives (except for WorkSafe BC reporting which is completed by Contractors as applicable, or by Mosaic for Mosaic incidents). If legal counsel is required, the VP Business Development, General Counsel & Corporate Secretary will communicate on behalf of Mosaic.

Table 6: External Agency Reporting

Incident Type	External Reporting Requirements
Medical Incident	<ul style="list-style-type: none"> • Contractors will have their own reporting procedures regarding medical incident reporting. However, the following general requirements must be met: • Employer Supervisor/ Employer FAA <ul style="list-style-type: none"> – FAA records required information in the First Aid Record Book – All reportable incidents & injuries; to WorkSafe BC (Form 7) within 3 days <ul style="list-style-type: none"> ○ loss of consciousness following an injury ○ worker transported to, or recommended to go to, a place of medical treatment or hospital ○ Injury that requires medical treatment, the worker states they intend to seek medical treatment and / or the worker received medical treatment ○ the worker is unable or claims that he/she is unable by reason of the injury to return to his usual job function on any working day subsequent to the day of injury ○ the injury or accident resulted or is claimed to have resulted in the breakage of an artificial member, eyeglasses, dentures or a hearing aid ○ Worker or Board requests an incident report be completed and submitted • Contractors and/ or Mosaic must Immediately notify WorkSafe BC in any of the following situations as applicable: <ul style="list-style-type: none"> – serious injury or death of a worker – major structural failure or collapse of a building, bridge, tower, crane, hoist, temporary construction support system or excavation – major release of a hazardous substance – fire or explosion with potential for causing serious injury – explosives or blasting incident (whether injuries occurred or not) – diving incidents with any injury or serious mishap

Incident Type	External Reporting Requirements						
Medical Incident (Mosaic only)	Level	Action			Who	When	
	-	Notify WorkSafe BC in any of the serious situations noted above			H&S Director (or designate)	Immediately	
	1	Notify the RCMP			H&S Director (or designate)	ASAP	
	All	Inform the spouse / family of the injury before releasing any information to others.			H&S Director / RCMP	ASAP	
	1,2	Notify the appropriate union, where applicable			H&S Director	Within 4 hours	
	All	Inform and arrange Legal Counsel (if deemed required for on-site and / off-site support)			H&S Director	Within 4 hours	
All	Obtain crisis or other appropriate counselling for affected employees and families (where required).			H&S Director	Within 24 hours		
Forest Fires	<ul style="list-style-type: none"> The Mosaic Fire Warden will notify the Ministry of Forests, Lands and Natural Resource Operations (MFLNRO), as required (refer to the Fire Protection section of this EPRP). The Chief Forester (or delegate) completes annual reporting to the Managed Forest Council (MFC). 						
Landslides	<ul style="list-style-type: none"> Director, Sustainability or delegate will notify the MFC and DFO, as required within 24hrs: <ul style="list-style-type: none"> A standard form for reporting landslides is on file for the MFC (if enters a stream) DFO notification (phone or e-mail to local office) required in the event a slide enters a fish bearing waterbody. Notify Water Purveyors as applicable. 						
Spills	<ul style="list-style-type: none"> The Mosaic Manager/ Log Purchaser will engage with the Mosaic Manager, Climate & Watersheds to determine who will notify EMBC, complete EMBC Spill Report and follow up Reports as required: 						
	Spills to Waterbody						
	Any spill of hazardous substance that enters, or is likely to enter, a body of water (whether or not they usually contain water) or a naturally formed pool of water or ditch that drains directly into a body of water). This includes herbicides.						
	Spills to Land						
	Product Type (HWR Name)	Product Type (SPR Name)	Common Name	Class (TDG)	Packing Group (TDG)	Reportable Volume (SPR)	Reportable Volume (TDG)
	Flammable Liquids	Flammable Liquids	Gasoline, Jet A fuel, Jet B fuel	3	II	100 L	any quantity
	Flammable Liquids	Flammable Liquids	Diesel	3	III	100 L	30 L
	Flammable Solids	Flammable Solids	Matches, Sulphur Nitrocellulose membrane filters,	4	II	25 kg	any quantity
	Petroleum Products	Waste Oil	Used Oil	-	-	100 L	N/A
	Antifreeze (leachable toxic waste)	Miscellaneous Products	Antifreeze (Ethylene Glycol)	9	III	25 kg or 25 L	30 L
Waste Containing Pest Control Product	Waste Containing Pest Control Product	Various	Varies	Varies	5 kg or 5 L	5 kg or 5 L	
<ul style="list-style-type: none"> The designated Mosaic representative who reports to EMBC, will also notify the Coast Guard for all spills to the marine environment (i.e., ocean). If the spill is located in the vicinity of a licensed water intake or fish creek, the Manager, Climate & Watersheds or delegate notifies the appropriate agency within 24hrs (i.e., local watersheds, municipalities, Managed Forest Council (MFC), Department of Fisheries and Oceans (DFO), other impacted licensed land users as appropriate, etc.). Specific Herbicides may be classified under the TDG Regulations (e.g., flammable liquid); refer to the SDS. In addition, all incidents involving herbicides must be reporting to Health Canada within 15-90 days depending on the specific impacts, using report form provided (Pest Control Products Incident Reporting Regulation). <p>*A body of water includes both marine and fresh bodies of water whether or not they usually contain water (e.g., streams, lakes, rivers, creeks, pond, wetlands), aquifers, and also includes a naturally formed pool of water or a ditch, that drains directly into a body of water.</p> <p>TDG reporting requirements apply to transportation or handling/ refueling from a transport vehicle. Reports are completed to EMBC.</p> <p>HWR = Hazardous Waste Regulation; SPR = Spill Reporting Regulation; TDG = Transportation of Dangerous Goods</p>							

External Investigations

- All investigations completed by external agencies will be completed under the direction of a senior management member, unless otherwise delegated to an alternate Mosaic Manager.
- Mosaic may make arrangements to have internal investigators sit in on the external investigation, but the internal investigators should not participate in or interfere with the external investigation.

GENERAL EMERGENCY PROCEDURES

- Emergency response equipment must be on-site at all times and inspected regularly. Correct deficiencies promptly.
- Mosaic maintains spatial tracking of active and closed fire locations, available weather stations, fire equipment and spill caches within the GIS Portal.

MOSAIC EMERGENCY COORDINATOR (EC)

- The primary role of the Mosaic EC is to be available to respond to an emergency after hours during the week (4pm – 8am) and during the weekend (Friday 4pm – Monday 6am). However, the EC could also be called by an external agency or internal staff to provide support during an emergency during work hours as well.
- A designated coordinator will be “on duty” throughout the calendar year.
- During the fire season, there will be contracted “on-call” fire wardens, in addition to the EC.
- The EC is available to make time sensitive decisions on behalf of the company, but most importantly quickly connect the right staff/ consultants/contractors to action an emergency quickly. Responsibilities of the EC include:
 - Primary on-call emergency coordinator for after hour emergencies – spills, slides, fires, RCMP, etc.
 - During business hours, as needed for response or if a call is forwarded to their number.
 - Support completeness of documentation including response time if external support required.
 - Digitally sign into the role on the Monday morning for the assigned week.
 - Remain in cell range for most of the week or arrange an alternate/ swap weeks if unable to be reachable for a significant period.

EMERGENCY RESPONSE TARGETS

- Mosaic has established the following emergency response targets to strive towards prompt and efficient emergency response across all operations, even in remote areas.

Table 7: Target Emergency Response Targets

Type	Incident Type	Target	Example
<u>Communication</u> : Once the decision is made that we require offsite support, record the length of time from the decision to the time of initial communication/ contact with the resource/ support.	All	5 minutes	Time to find the right radio frequency or phone number and initiate contact.
<u>Response Time</u> : Time from contact with offsite support crews to the arrival on-site to begin response action	Fire, Spill	Air Response: ≤ 45 minutes	-
		Ground Response: ≤ 90 minutes	-
	Medical (High Severity 1, 2)	Air Response: ≤ 30 minutes	-
		Ground Response: ≤ 60 minutes	-
	For all incidents, where targets are not met, incident follow up is completed to document the specific details surrounding the incident and response times.		

Comments/ Guidelines:

- Offsite support includes specialized response teams such as Ministry of Forests Initial Attack crews (BC Wildfire Service), Western Canada Marine Response Corporation or specific Mosaic contractors specifically hired to support incident response actions. It does not include Mosaic Staff or routine Mosaic Contractor support during incidents.
- The response time target is intended to capture the response time for the off-site support, recognizing that Mosaic staff and/ or contractors may also complete initial attack activities while waiting for the off-site support to arrive.
- The targets above acknowledge that there is undoubtedly some mobilization/ scramble time involved during initiation of support crews (e.g., not all crews are waiting on stand-by and need to be contacted and mobilized). In addition, spill and fire caches are usually unattended for ground and water response actions.

EMERGENCY DRILLS

- The following emergency response drills are required annually (include as many people as possible) and must be recorded (e.g., Training Record Form or Emergency Drill/ Exercise Form):
 - Building Evacuation (one earthquake and one building fire each).
 - Spills (e.g., fuel, antifreeze, hydraulic oil, explosives, etc.).
 - Forest Fire (test fire equipment).
 - Medical Response / Evacuation.

RADAR HAZARD ASSESSMENT TOOL

Remember, Health and Safety is the first priority during all emergency preparedness and response actions.

RADAR is a hazard assessment tool that can be used to help safely address unplanned events and emergency situations.

The RADAR Process:

Recognize the risk

Assess the situation – STOP and think (see the 10 steps of assessment below)

Develop a safe solution

Act safely to fix the problem

Report and record the unplanned event

When assessing the situation, visually imagine the hazards you are facing and use the following 10 steps to help you:

- | | |
|------------------|---|
| 1. Surroundings: | What is in the 10ft circle of danger? |
| 2. Tools: | Do I have the right tool for the job? |
| 3. Other People: | Is anyone in the line of fire? |
| 4. Breaks Free: | Where does it go if it lets go? |
| 5. Weight: | Do I need to seek help? |
| 6. Position: | Could I strain myself? |
| 7. PPE: | Do I have the correct PPE for the task? |
| 8. Lockout: | Is there Zero Energy – guaranteed? |
| 9. Trained: | Am I trained to do the task? |
| 10. Help: | Do I need extra eyes or hands? |

In an unplanned event, after assessing the situation, if you cannot develop a safe solution for the problem, you must STOP and NOT proceed until a safe solution can be developed.

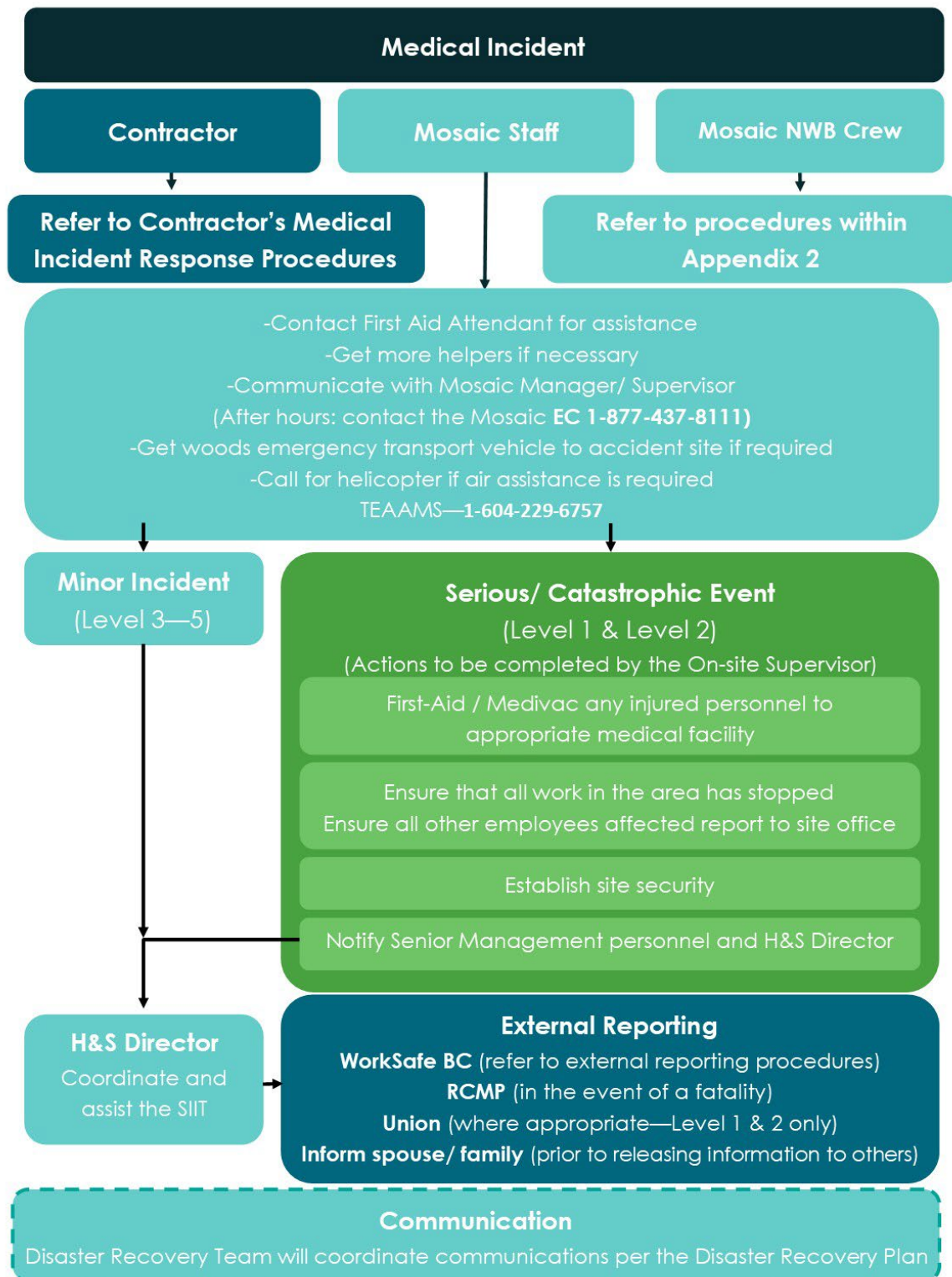
SUSPICIOUS ACTIVITY

- Where suspicious activity is encountered (e.g., illegal dumping, off road vehicle use, animal poaching, theft or vandalism) do not approach or confront the suspects.
- Take detailed notes, including license plate numbers, vehicle descriptions and direction of travel.

DRINKING WATER SYSTEMS

- Where Mosaic owns the drinking water systems at offices or facilities (i.e., not part of municipal systems), Managers must ensure that a legally required Drinking Water Emergency Plan is in place and all possible sources of drinking water are clearly identified with signage to indicate that the water is not potable.

MEDICAL INCIDENT



BASIC INITIAL RESPONSE

The primary goal of the accident response procedures is to outline the procedures and communications required for first responders dealing with an accident on Mosaic land or holdings. The initial First Aid Responder will be in charge of the emergency:

1. Where applicable, contact Contractor First Aid Attendant for assistance.
2. Communicate with Mosaic Manager/ Supervisor.
3. Get woods emergency transport vehicle to the accident site. Call for helicopter if air assistance is required. Get more helpers if necessary.
4. Unless the injury is of a minor nature, the initial attendant to assess the injured worker will stay with the patient all the way to the hospital.
5. If the First Aid Attendant requests a Provincial Ambulance the office will call **911** and give the location of the injured worker.

SERIOUS INCIDENT / CATASTROPHIC EVENT

The purpose of these procedures is to give guidance to company management personnel when responding to a catastrophic event and to ensure that during such an event, all areas have been handled properly.

Term	Definition
Catastrophic Event	<ul style="list-style-type: none"> – An employee or contractor is fatally injured (Level 1) or severely disabled (Level 2). – The event will attract significant media or government attention. – The event is significant enough to deploy the Serious Incident Investigation Team (SIIT).
Site Security	<ul style="list-style-type: none"> – Preserve the incident scene and restrict unauthorized access to ensure the integrity of the scene. Any incident that must be reported to WorkSafe BC must not be disturbed, except as otherwise directed by an officer of the Board or a peace officer, except so far as is necessary to: <ul style="list-style-type: none"> ▪ attend to persons injured or killed. Prevent further injury or death. ▪ protect property that is endangered as a result of the incident.
EFAP	<ul style="list-style-type: none"> – Employee and Family Assistance Program, is confidential professional counselling available to assistant employees and family members involved with a catastrophic event.
SIIT	<ul style="list-style-type: none"> – The Serious Incident Investigation Team is operations personnel or external experts with specific expertise that may be selected to conduct an incident investigation for any incident as may be required. A list of SIIT members will be retained on file.

Site Supervisor: The On-Site Supervisor is responsible for ensuring that the following actions occur:

1. First-aid / Medivac of any injured personnel to an appropriate medical facility.
2. Ensuring that all work in the area has stopped to control further problems, and that all other employees affected by the event report to the site office when released for debriefing.
3. Establishment of site security (to ensure that nothing is touched or moved until the clearance is given from the SIIT Team Leader and WorkSafe BC).
4. Senior management personnel and the Health and Safety Director have been notified.
5. Notify WorkSafe BC as applicable (refer to the external reporting procedures).
6. WorkSafe BC and the RCMP have been notified (as applicable) in the event of a fatality.
7. **Health and Safety Director:** Coordinate and assist the SIIT.
8. **Communications:** Disaster Recovery Team will coordinate communications per the Disaster Recovery Plan.

TEAAMS

Technical Evacuation Advanced Aero Medical (TEAAM) is a not-for-profit society consisting of paramedics, physicians, technical rescue specialists, and mountain professionals dedicated to providing advanced life support (ALS) medical care in remote, difficult to access locations. Using hoist and long line (HETS) equipped helicopters, TEAAM can access workers in remote industrial sites, forestry operations, First Nations communities, and marine environments.

Mosaic has access to remote medical emergency services for work-related incidents, through TEAAM. In the event of a remote medical emergency, follow the instructions on the Line Medivac Request Form, attached to your worksite ERP (and shown below). If heli-evacuation is required, TEAAMs is the first point of contact.

Note that satellite devices can text the emergency number directly or add the number to the SOS button.

Mosaic staff can also radio Protec in areas with no cell coverage, and Protec will contact TEAAM on our behalf.



8 LINE MEDEVAC REQUEST FORM

- 1. Location of Scene (GPS Coordinates and recognized geographical features).**
- 2. Radio frequency / Call Sign / Phone number of patient or person on scene.**
- 3. Number of patients and injury/illness(chief complaint).**
- 4. Age and *weight* of Patient(s).**
- 5. Special equipment and personnel required. (Hoist / Longline / Auto Ex / Mountain Guide/Marine/Swiftwater)**
- 6. Other responders responding to scene. (En Route / On Scene) and other aircraft operating in the area.**
- 7. Method of marking scene. (Colour of clothing / Smoke / Lights / Strobes / Pyrotechnics / Panels etc)**
- 8. Known hazards. (Cable Logging / Blasting / Towers / Power lines / Drones / Danger trees)**

1-604-229-6757

Emergency Only

Non Emergency, Call (604) 849-0713

CONFINED SPACE RESCUE

Refer to the H&S Confined Spaces SOP (or the NWB Crew EPRP as applicable) for rescue procedures.

WATER EVACUATION PROCEDURES

Water rescue procedures are developed on a site-specific basis, as needed. Refer to your site-specific procedures.

WEATHER MONITORING

These standards apply to all workers in all operations managed by Mosaic Forest Management

WEATHER MONITORING

- Mosaic relies on a network of owned and third-party weather stations. All worksites must have a designated, representative, weather station documented on the Pre-Work Form.
- Mosaic maintains a web site dedicated to tracking weather information related to rainfall and fire weather shutdowns.
- To support weather station data, manual gauges may be used in remote and / or in unique areas (e.g., rain gauge, kestrels). Weather documentation must be maintained by the user.
- Specific details regarding rainfall shutdown and fire weather shutdown are included within the Mosaic Standards (refer to specific sections within this document).

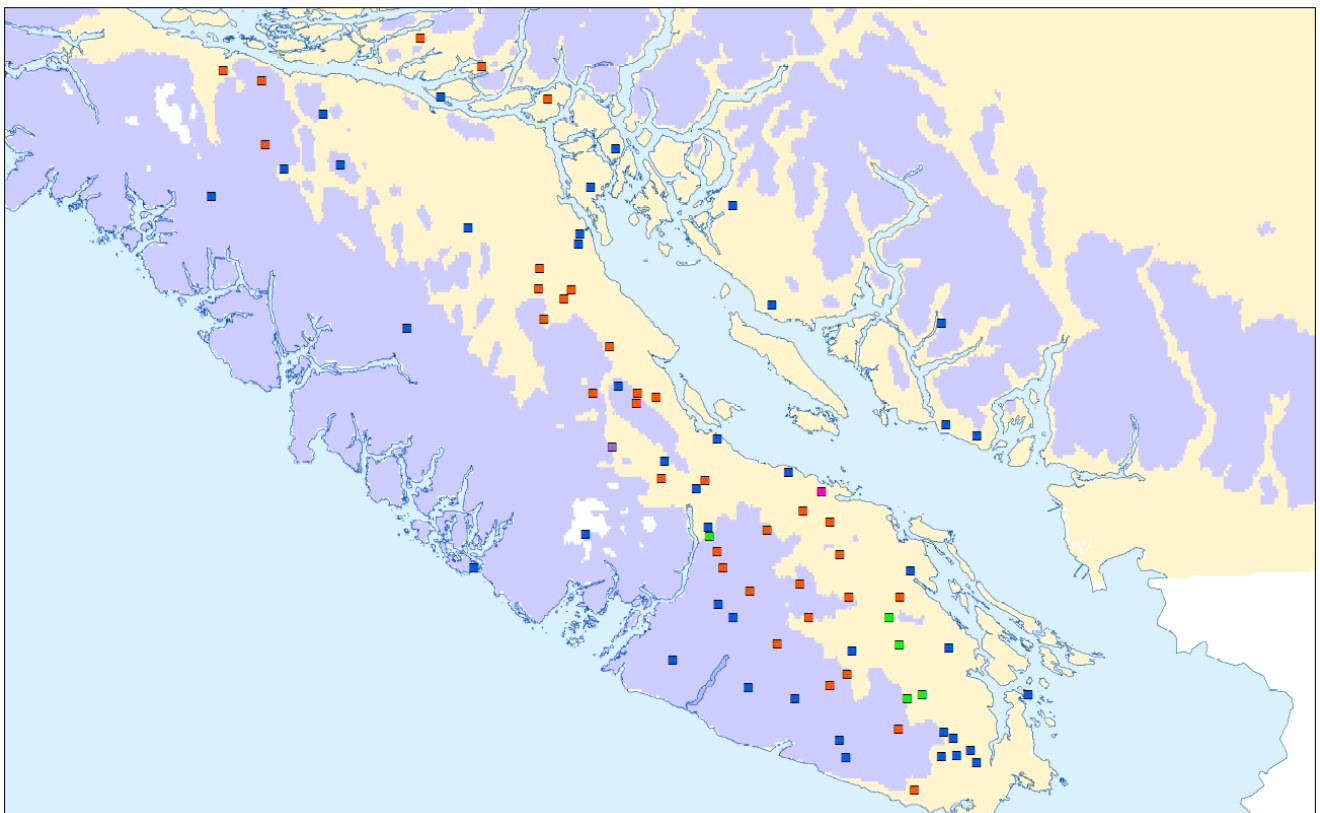


Figure 2: Example Overview Map of Weather Station Locations (refer to the intranet for current locations)

WIND SHUTDOWN GUIDELINES

- Consider the following when developing work or travel plans:
 - avoid the hazard of falling trees, limbs and tops by staying in an open area (sometimes it may be safer for workers to remain at the work site).
 - wait until the high winds subside before bucking windfalls (if possible).
 - stay at least 15m away from downed power-lines or anything that may be on contact with them.
- When working in hazard zones where 100% directional stem control is imperative, the Beaufort Wind Scale will be used as a shut-down guideline: When wind conditions reach Level (4) all falling will cease in hazard zones.
- The Supervisor will consider wind conditions, activities and worksite hazards when determining to shut down.

Table 8: Wind Shutdown Conditions (Beaufort Scale-Modified)

Beaufort Rating	Description	Wind Speed (km/ hr)	Land Conditions
0-3	Gentle Breeze	0-19	Breeze can be felt on the skin. Strong enough to wave a flag.
4	Moderate Breeze	20-28	Small waves, becoming longer. Fairly frequent white caps. Dust and loose paper lifted, small tree branches move.
5	Fresh breeze	29-38	Small trees begin to sway.
6	Strong breeze	38-49	Large branches in motion. Whistling heard in overhead wires. Umbrella use becomes difficult. Empty plastic bins tip over.
7	High wind, moderate gale, near gale	50-61	Whole trees in motion. Effort needed to walk against the wind.
8	Gale, fresh gale	62-74	Some twigs broken from trees. Cars veer on road. Progress on foot is seriously impeded.
9	Strong / severe gale	75-88	Some branches break off trees and some small trees blow over. Signs and barricades blow over.
10	Storm, whole gale	89-102	Trees are broken off and uprooted, structural damage likely.
11	Violent storm	103-117	Widespread damage to structure and vegetation likely.
	Hurricane force	>118	Widespread damage to structures and vegetation. Debris and unsecured objects hurled about.

RAINFALL SHUTDOWN STANDARD

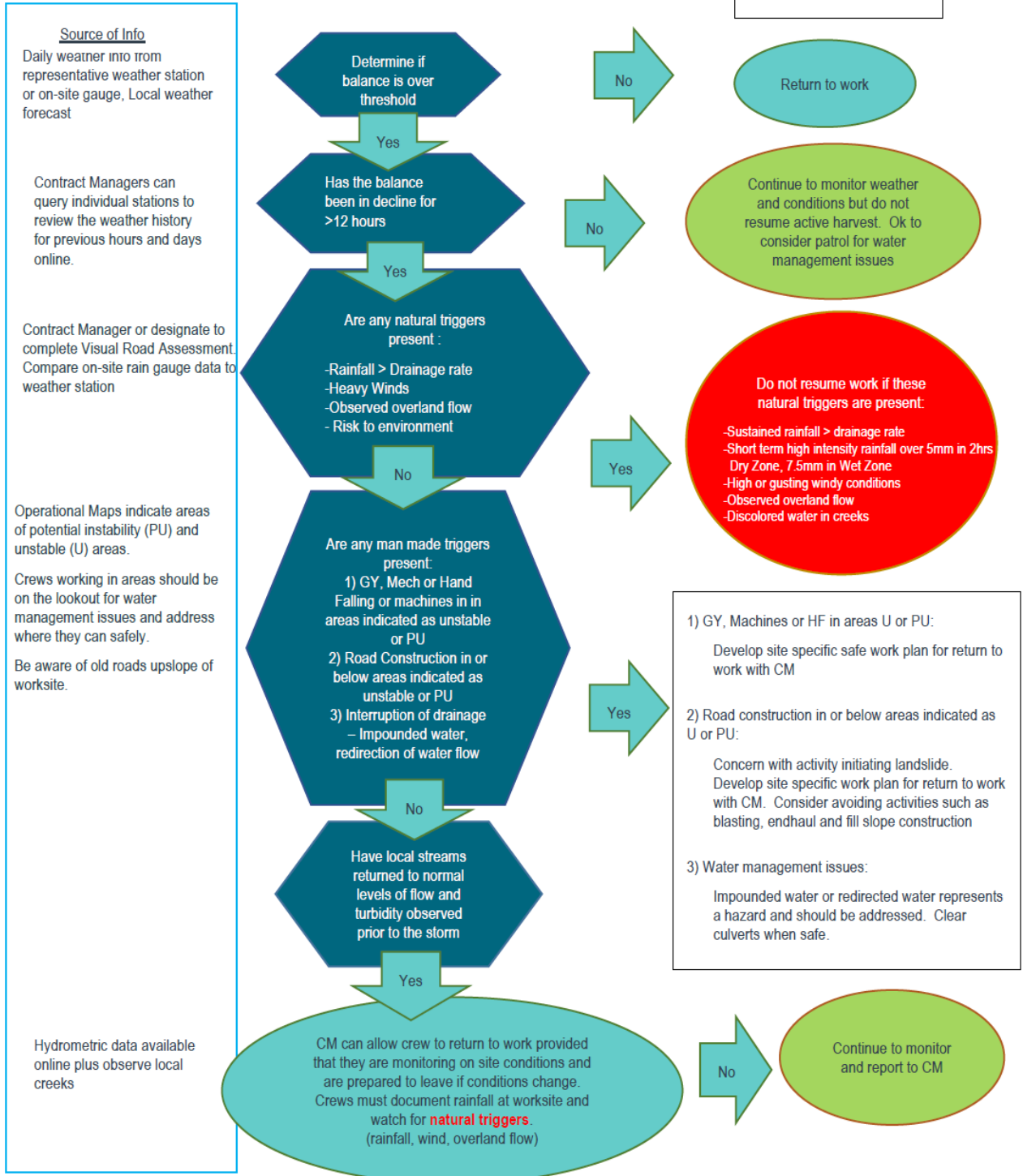
- Notification emails are distributed to Mosaic Managers / Supervisors to alert of any shut down conditions (fire weather or rainfall shutdown).
- The Supervisor will alert the crews of any weather-related shutdowns or curtailments (heavy rainfall, fire weather), as well as when start-up conditions have been met.
- Site-specific curtailments will occur, at the discretion of any worker or Supervisor, prior to reaching thresholds, if local conditions make the site unsafe or there is a risk to the environment.
- Where operations are shut down for weather hazards, public access will also be restricted (see Plan Access Closures for Extreme Weather Conditions).

DECLINING WATER BALANCE FLOWCHART

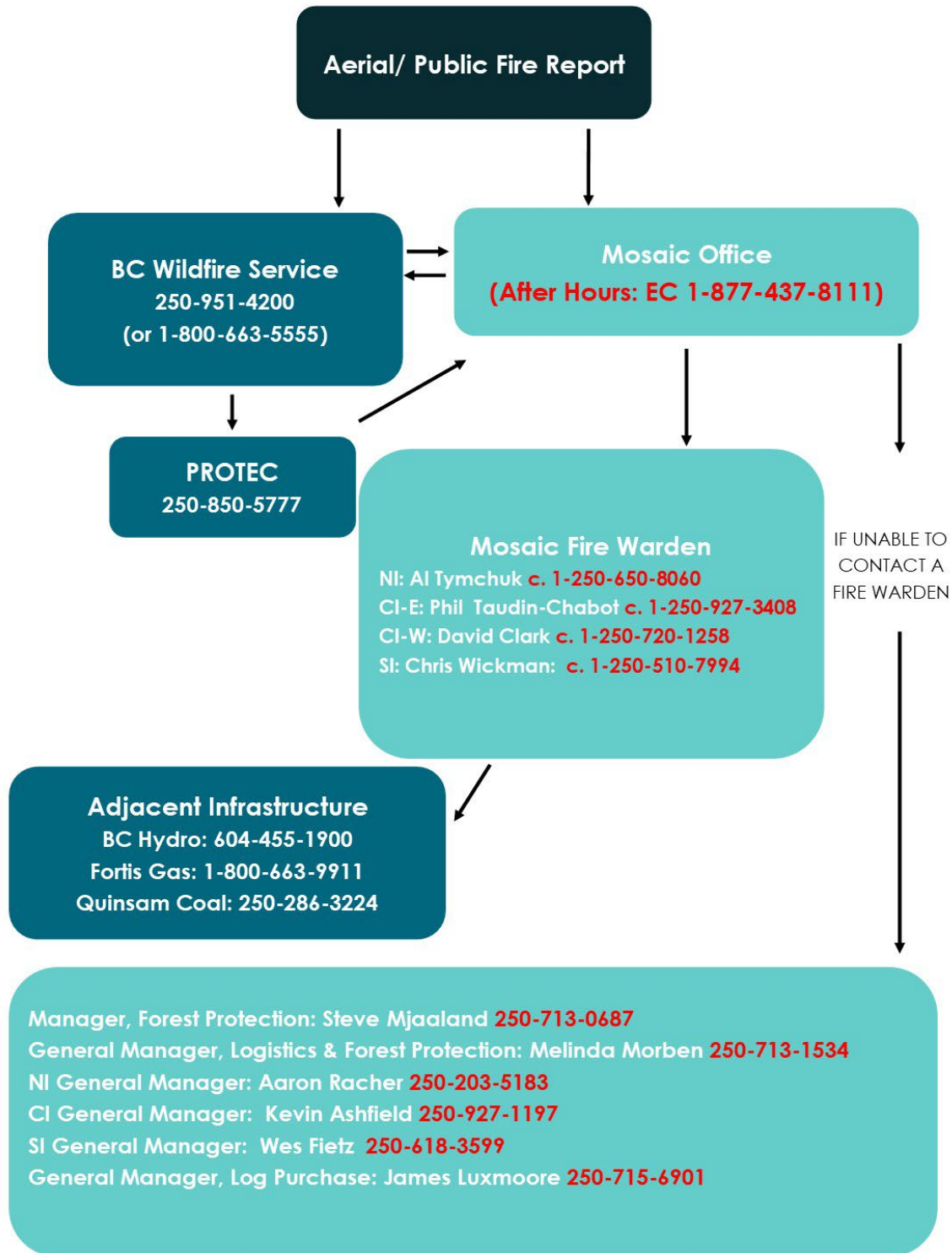
To be used when rainfall water balance has been exceeded to assess safety to return to work

Current 24 hour water balance: _____ Time: _____

Date: _____
Setting: _____
Name: _____



FIRE PROTECTION



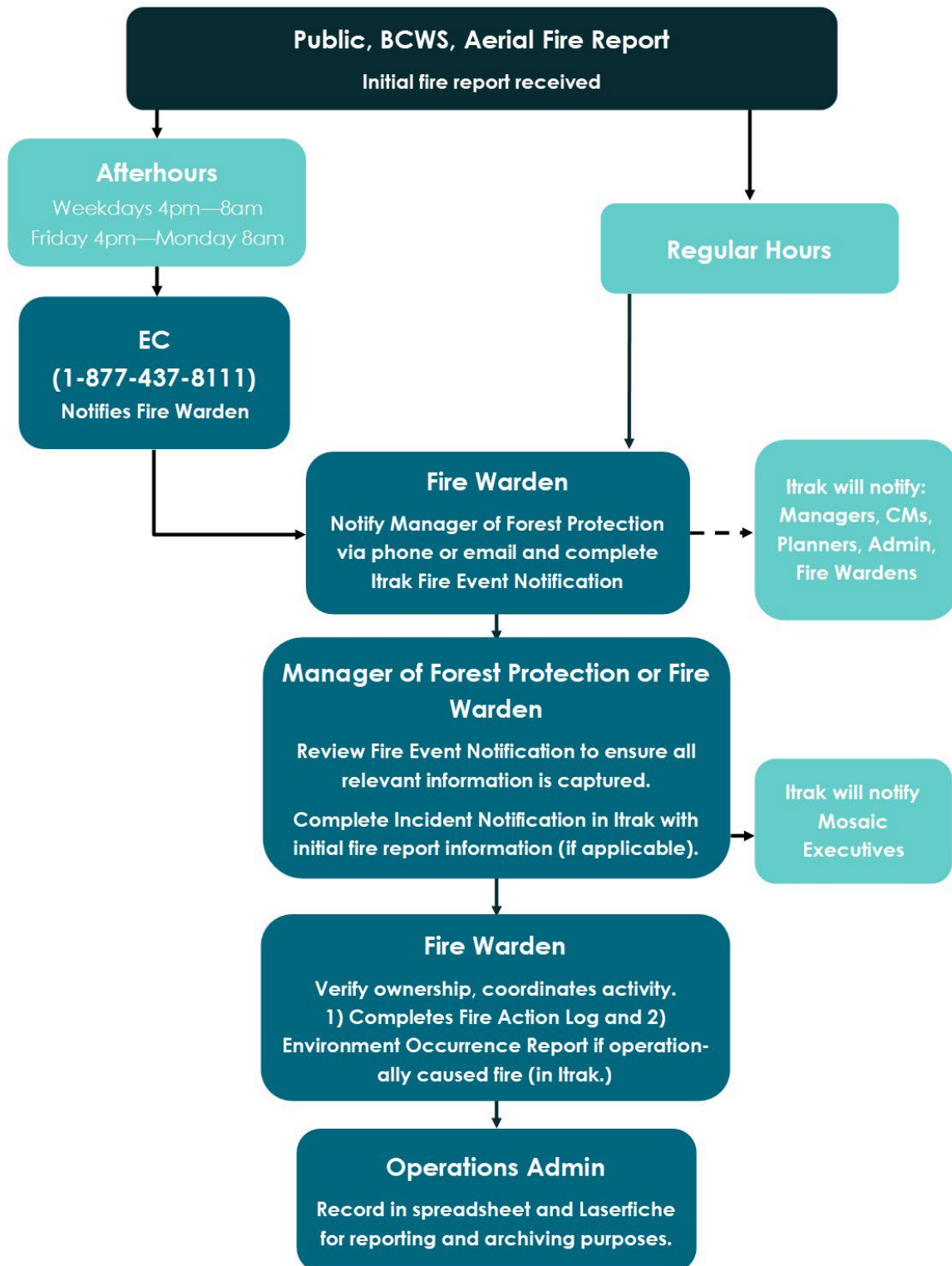
RECEIVING A FIRE REPORT

1. Record initial fire report information to determine location, size and severity.
 - Location (cutblock, road name, lat/long, drainage, etc.)
 - Time of day (time the fire was discovered)
 - Size of fire (square metres, hectares, etc.)
 - Fire Intensity Rank (fire rank 1 - 6, smoldering, blazing, crowning, etc.)
 - Fuel type (F&B, slash, mature timber, etc.)
 - Values at risk (people, equipment, infrastructure, F&B, timber, etc.)
 - Wind speed / direction (calm, km/hr, gusty, direction N S E W, etc.)
 - Slope / aspect (flat, moderate, steep; N S E W aspect)
 - Accessibility (vehicle access, distance from road, cross ditches, etc.)
 - Firefighting resources (personnel, equipment, water sources, 1st aid, etc.)
2. Contact the appropriate **FIRE WARDEN** based on the location of the fire (North Island, Central Island [east, west] or South Island). If unsuccessful contacting the Fire Warden, the Mosaic Manager or delegate must:
 - contact the BC Wildfire Service - Coastal Fire Centre (CFC).
 - complete the Fire Event Notification form (Itrak), which will send notification to Mosaic staff.
 - Complete Fire Action Log after a Fire Event Notification form has been completed.

Fire Warden

3. Ensure the fire has been reported to the CFC.
4. **Verify ownership** by working cooperatively with the CFC dispatcher and with any known coordinates from the fire scene.
 - if the fire is not located on company property or licence area, request the CFC dispatcher to contact the appropriate land-owner(s)/ licensee to turn the fire over. If there are Mosaic resources already working the fire, continue suppression efforts until relieved of duty on site.
 - if the fire is located on company property or licence area, verify with the CFC dispatcher who their Incident Commander (IC) is and confirm that they have Initial Attack (IA) Fire Crew underway.
5. Initiate the Mosaic Reporting process (see below).
6. Liaise with the BC Wildfire Service CFC; relay initial Fire Report information. Discuss ground and / or air action plan by BC Wildfire Service and if any additional Mosaic resources are required.
7. Contact helicopter support as needed (recce, crew transport, water delivery). Request pre-approval from CFC for use of aircraft.
8. Contact company fire crews as needed (refer to Emergency Contacts).
9. Co-ordinate action with the BC Wildfire Service (dispatch company fire crew(s), or issue a stand down notice, dispatch additional resources and equipment).
10. During fire fighting actions, keep notes and times of all communications (for recording on the Fire Action Log form and adding to Mosaic files).
11. Maintain communications with key Mosaic personnel.
12. The Fire Warden will assume the role of the Fire Boss until such time as the BC Wildfire Service IC assumes command of the fire. The Fire Warden will continue to liaise with and provide support to the IC. The Fire Warden will maintain this role until the fire is out or until substituted by another company representative.

Mosaic Fire Warden Reporting Procedures



Upon receipt of a fire report, the Fire Warden completes the following steps:

STEP 1: Fire Event Notification (iTrak)

1. Mosaic employee or Fire Warden (whomever receives the report of the fire) creates a **Fire Event Notification (iTrak)**.
 - Within the “Action Required By” field: select Forest Protection Manager (or delegate).
 - Fire Warden determines whether a follow up **Incident Notification** is recommended and selects “Yes” or “No”.
 - If no, the form closes with no further action required and the event is recorded as a “close call”.
 - If yes, create an action item assigned to the Forest Protection Manager or delegate to review for possible **Incident Notification**.
 - This notification will be relayed to Forest Protection Manager, Sustainability Director, Fire Wardens and Operations Admin and other designated Managers.
2. Forest Protection Manager (or designate) will then determine if the Fire Event is reportable to the Executive or not.
 - If not reportable to the Executive, then Forest Protection Manager (or designate) will login to the iTrak Fire Event form and close the action item (and closes the form).
 - If reportable to the Executive, the Forest Protection Manager (or designate) will complete an **Incident Notification (iTrak)** and then close associated the Fire Event action item.

STEP 2: Incident Notification (iTrak)

3. Fire Warden or Forest Protection Manager (or designate) completes the **Incident Notification (iTrak)**. This notification will be relayed to designated Mosaic Executives.

STEP 3: Fire Action Log (iTrak)

4. For all Fires that had a **Fire Event Notification** completed within iTrak, the Fire Warden completes a **Fire Action Log (iTrak)**.
 - This will track all the relevant fire information needed for reporting purposes.
 - Attach all relevant photos, emails, and text messages.

STEP 4: Environmental Occurrence Report (iTrak)

5. For operationally caused fires, once the **Fire Action Log** is completed, the fire warden uses all the data collected and recorded to complete the **Environmental Occurrence Report (iTrak)**.
 - This completed report will enable accurate and timely reporting for Mosaic, and notification will be distributed via iTrak to a pre-determined list of Mosaic Managers for follow up actions.

RESPONSE DUTIES (MOSAIC)

Based on all pertinent information, Mosaic in coordination with the BC Wildfire Service (BCWS) will order the required fire fighting resources to the scene, as well as determination whether two shifts and night patrol are needed.

Fire Warden

- Fire preparedness responsibilities include:
 - carry the designated fire cell phone and EPRP at all times.
 - know your call priorities and procedures if a fire report is received.
 - review location and shift status of operational activities.
 - be aware of recent history of vandalism or arson activity.
 - review weather for fire danger conditions and weather forecasts.
 - assist with fire preparedness planning, operational compliance and provide risk management recommendations for industrial activities.

Fire Boss

- The Fire Warden will act as the Fire Boss the majority of time. Where the Fire Warden is not available, a qualified Fire Boss will be designated from the Mosaic Fire Duty Roster below.
- Fire response responsibilities include:
 - if first on fire, assumes overall direction of the attack.
 - once BCWS officer arrives determine roles and responsibilities and attack plans (e.g., ground or air).
 - determine if Mosaic resources required.
 - assess hazards, availability of PPE and first aid requirements, road access routes, need for helipads.
 - for fires near power lines / gas lines, ensure fire fighting activity does not occur until BC Hydro / Fortis BC has been contacted and it is safe to proceed.
 - for fires near Quinsam Coal, contact them (refer to Appendix 1 – Emergency Contacts) for notification and assistance in determining safety requirements involving access, interfacing with mining crews and emergency response; power lines, ventilation ducts, surface water lines, gas vents, and possible subduction zones.



Duty Officer/ Emergency Coordinator

- Liaise/ communicate between Mosaic Fire Boss and the BCWS regarding action plans and response capabilities, additional resources required etc.
- Update key Mosaic personnel on fire status and resources required.
- Keep detailed log of events.

Operations Administrator

- Keeps records of fires including times, dates, equipment and manpower.
- Keeps track of invoices paid (internal and external) and prepares cost summaries.






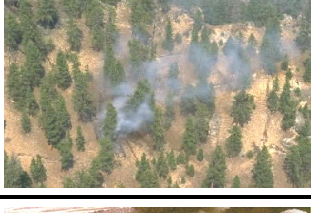

FIRE INTENSITY REFERENCE GUIDES

Fire Intensity Ranking – A Summarized Assessment of Fire Behavior			
	Rank 1 Smoldering Ground or Creeping Surface Fire		Rank 2 Low Vigor Surface Fire
	Rank 3 Moderately Vigorous Surface Fire		Rank 4 Highly Vigorous Surface Fire or Passive Crown Fire (Candling)
	Rank 5 Extremely Vigorous Surface Fire or Active Crown Fire		Rank 6 Blow-up or Conflagration Fire

- Fire intensity ranking is a numerical rating that describes relative flame length and whether the fire is crowning, candling or just smoldering.
- Ranking the fire is critical; it will dictate the strategy and tactics. Note that fire intensity will probably vary on different parts of the fire – fire intensity on the head and upper flanks may be Rank 4 while the rear of the fire is only exhibiting Rank 2 fire intensity.
- Consider the time of day in the determination of present and anticipated fire intensity.
- Rank 3 fire intensity observed at 1200 hours is an indicator that higher fire intensities are likely to be experienced later in the day.



As you approach the fire area, observe the smoke column for clues to fire behaviour. Information on winds and fire intensity will be indicated by the column.

Smoke and Smoke Columns - What Can They Tell You?	
	<p>Observed: Column thin, white or blue and rising slowly (may occasionally disappear). Flames are not visible from a distance.</p> <p>Fire Behavior Interpretation: Low intensity fire (Rank 1 or 2), fuels are wetter and winds low or calm</p>
	<p>Observed: Column thick, whitish blue to dark gray and rising quickly with a 'building and boiling' appearance. Flames visible at surface to mid-tree level.</p> <p>Fire Behavior Interpretation: Medium intensity fire (Rank 3) with dry fuels available.</p>
	<p>Observed: Column thick, gray or black with coppery-bronze streaks. Flame lengths are increasing and occasionally extend higher into the column (above trees).</p> <p>Fire Behavior Interpretation: High intensity fire (Rank 4 or 5) with extreme fire behavior potential. EXERCISE CAUTION</p>
	<p>Observed: Column thick, very tall (1,000's of metres) and has a 'mushroom' shape to it - (convection column).</p> <p>Fire Behavior Interpretation: Fire is exhibiting extreme fire behavior (Rank 5 or 6) with spread influenced by the convection column updrafts and downdrafts.</p>
	<p>Observed: Column rising straight up.</p> <p>Fire Behavior Interpretation: Winds low or calm</p>
	<p>Observed: Column leaning over or drifting through trees.</p> <p>Fire Behavior Interpretation: Winds increasing with direction indicated.</p>
	<p>Observed: Column very black.</p> <p>Fire Behavior Interpretation: Thin column: Vehicle or trash fire, possible diesel engine operation. Thick column: Dump or structure fire.</p>

FIRE PROTECTION STANDARD

Operational fire protection requirements can be found within the Fire Protection Standard (displayed below).

FIRE SAFETY	
<p>Variances to these requirements must be submitted in writing and approved by the Mosaic Forest Protection Manager.</p> <ul style="list-style-type: none"> Before fighting a wildfire ASSESS site safety; IF SAFE, take appropriate fire suppression action. Any worker expected to fight fire must be physically capable and trained to S100 or equivalent with annual refresher S100A. (<i>OH&S s26.3.1</i>). Any worker fighting fire in standing timber where the fire is burning underground or in hollow trees must have the area certified as safe by a certified Wildfire Danger Tree Assessor prior to entering the area. All vehicles and trailers used for firefighting must meet public highways standards; off-highway, must comply with <i>Industrial Roads Act</i>. Power Lines - Do not fight fire under power lines until BC Hydro is on site. Stay a minimum of ten meters (horizontal distance) from any standing or downed power line. Do not request aircraft to drop on energized power lines until BC Hydro has given approval to proceed. Gas Lines – ensure heavy equipment is kept off the pipeline right of way and no digging takes place. Notify FortisBC for approval to proceed. 	
FIRE REPORTING	
<p>All fires that require fire suppression action must be reported as soon as possible to Mosaic or the BC Wildfire Service (250-951-4200). Be prepared to provide the following information: location, size, what is burning, spread rate, color of smoke, values/ lives at risk.</p>	
FIRE EQUIPMENT (required if risk of fire starting or spreading, regardless of time of year)	
<p>Fire fighting hand tools include shovels, axes, pulaskis, hand tank pumps and fire extinguishers in good working order. Equipment must be tested at the start of fire season. Fire Extinguishers must have current annual inspection (tag present) and be charged (in the green zone).</p>	
Vehicle/ Activity	Required Fire Tools
All Industrial Work Sites	<ul style="list-style-type: none"> One hand tool/person AND one 18L hand tank pump/3 workers One 8 oz. belt (powder)/power saw, power saw, brush saw (any small engine saw)
Light Vehicle	<ul style="list-style-type: none"> One hand tool (round nose shovel preferred) One 5lb fire extinguisher
Light Vehicle w/ Tidy Tank, Logging, Fuel, & Dump Truck	<ul style="list-style-type: none"> One hand tool (round nose shovel preferred) Two 5lb fire extinguishers or one 10lb fire extinguishers
Heavy Equipment (large engine)	<ul style="list-style-type: none"> One hand tool (round nose shovel preferred) Two 5lb fire extinguishers, or one 5lb fire extinguisher with integral fire suppression system, or one 18L hand tank pump with additional 10lb fire extinguisher.
Shop truck (hot works)	<ul style="list-style-type: none"> One hand tool (round nosed shovel preferred)
Drills (explosive works)	<ul style="list-style-type: none"> Two 5lb fire extinguishers Two 18L hand tank pumps
<p>Acceptable water delivery fire suppression systems must have sufficient power and hose length to reach all corners of a cut block, per the following:</p> <ul style="list-style-type: none"> A 500-1000 imperial gal fire supp. system with all attachments/ accessories and min. 1,000ft hose (300m) required for all high-risk activities. If water delivery <1000 gal, min. 8 gal Class A foam with foam injection system and foam nozzles is required. If water delivery system >1000 gal, foam is optional. For cable yarding, a min. 1000 gal. water delivery system or 800 gal. w/ foam is required, plus one hand tank pump at the tail block location. Equivalents include: A helicopter equipped with appropriate capacity Bambi Bucket (designed for the helicopter), at the landing spot or gravity feed system with 1,000ft of hose and water source capable of delivering 4,500L/ hour within or adjacent to the active cutblock or road heading. 	
Recommended Equipment for Fire Trucks:	<ul style="list-style-type: none"> 1 fire pump, priming bucket, required fuel, pump primer and fuel line, 2 spark plugs and wrench 1 check valve 1 Hose strangler 12 Grooved hose gaskets 2 hose keys 2 multi nozzles, 2 foam nozzles 15GPM; 1 30GPM Fire Extinguisher (5lb), FA Kit, Ear Plugs
<ul style="list-style-type: none"> 800ft of 1.5" fire hose 700ft of 1" fire hose 4 shovels, 4 pulaskis 2-20L pails of Class A Foam 	<ul style="list-style-type: none"> 1 suction hose (if required) 2 Siamese (large gated wyes)
HIGH RISK ACTIVITIES (per Wildfire Regulation)	
<p>(a) mechanical brushing;</p> <p>(b) disk trenching;</p> <p>(c) preparation or use of explosives</p> <p>(d) using fire- or spark-producing tools, including cutting tools</p> <p>(e) using or preparing fireworks or pyrotechnics;</p> <p>(f) grinding, including rail grinding;</p> <p>(g) mechanical land clearing;</p> <p>(h) clearing and maintaining rights of way, including grass mowing;</p> <p>Note: High Risk Activities include: all ground based and cable yarding, skidding, hoechuck, tethered yarding, falling (mechanical and manual), drilling, blasting, and subgrade.</p> <p>Industrial (non-high risk) activities include: loading, hauling, road and roadside processing, ballasting, heli yarding, dryland sort operations.</p>	<p>(i) any of the following carried out in a cutblock excluding a road, landing, roadside work area or log sort area in the cutblock:</p> <ol style="list-style-type: none"> operating a power saw; mechanical tree felling, woody debris piling, tree processing, de-limbing; welding; portable wood chipping, milling, processing or manufacturing; skidding logs or log forwarding unless it is improbable that the skidding or forwarding will result in the equipment contacting rock yarding logs using cable systems.

FIRE WEATHER

- Fire season is from March 1 to November 1 (except for areas covered in snow).
- During fire season, workers must have a general knowledge of the following: current fire danger class; what weather station they are monitoring; curtailments, if any that are in place (e.g. early shift); water delivery time requirement; location of the water truck (who is the qualified driver); location of water refill site; fire reporting requirements; and ground spark watch requirements.
- It is best practice to post pertinent wildfire and weather information at the entrance to high risk activity worksites.
- Daily fire weather station data is distributed electronically by Mosaic. The weather station for your area is indicated on the Plan map (legend or comments section).
- Obtaining representative weather data for the conditions at your work site is essential for making decisions about your operations.
- Kestrels and other weather data collection tools can be used to obtain representative onsite weather data to compare with weather station information (kestrel readings never trump weather station readings). Weather information, cross-over and curtailment information is communicated from the on-line system via emails.
- In DGR IV or V, monitor kestrel readings hourly between 10:00 a.m. and 1:00pm, and document the 1:00pm reading (until DGR moves to III or lower).

FIRE WATCHER

- Ensure you can reasonably see the site of the high-risk activity at all times during the time the fire watcher is required.
- The fire watcher may not carry out any secondary duties.
- Actively watch and patrol for sparks and fires on the site of the high-risk activity.
- Ensure the fire watcher has current fire training and is physically fit to assess the worksite, has appropriate PPE, at least one fire-fighting hand tool, access to a fire suppression system and means on site to report a fire.
- Immediately carry out fire control and extinguish the fire, if practicable, and safe to do so.
- Maintain documentation (e.g. daily diary) of location(s), time and personnel assigned to fire watch.

FIRE WEATHER CURTAILMENTS (for High Risk Activities, plus some additional Mosaic restrictions)

- Contract Managers must also use discretion to consider curtailments earlier than the conditions noted below, based on site specific conditions (e.g., rock, aspect, slope, values at risk, access, water availability, etc.), reference the Fire Weather Curtailment Guidelines within the EPRP.

Column 1 Fire Danger Class (DGR)	Column 2 Restrictions & Fire Watch	Column 3 Duration	Additional Restrictions (Mosaic)	High Volume Water System Time (Mosaic)
I, II, III (low)	None	N/A	None	within 1 hour
III (moderate)	After 3 consecutive days of DGR III or greater, maintain a fire watcher immediately after the high-risk activity ends for a minimum of 1 hour	Until after the fire danger class falls below DGR III	None	within 30 min.
IV (high)	Maintain a fire watcher immediately after the high-risk activity ends for a minimum of 2 hours	Until after the fire danger class falls to DGR III for 2 consecutive days, or falls below DGR III	Shutdown all high-risk activities and roadside processing when cross-over conditions occur (RH drops below temperature). Processing must have 1hr fire watch.	within 5 min. for cable yarding; within 20 min. all other high-risk activity
	After 3 consecutive days of DGR IV, cease activity between 1 p.m. PDT (Pacific Daylight Saving Time) and sunset each day		Restrict all blasting to before 11am	within 5 min. for cable yarding; within 20 min. all other high-risk activity
V (extreme)	Cease activity between 1 p.m. PDT and sunset each day and maintain a fire watcher immediately after the high-risk activity ends for a min. of 2 hours	Until after the fire danger class falls below DGR IV for 2 or more consecutive days	Roadside processing is restricted to early shift with a 1-hr Fire Watch.	within 10 min.
	After 3 consecutive days of DGR V, cease activity all day	Until after the danger class falls to DGR IV for 3 or more consecutive days, or falls below DGR IV	Any industrial activity must be approved by the General Manager and 1hr fire watch.	within 10 min.

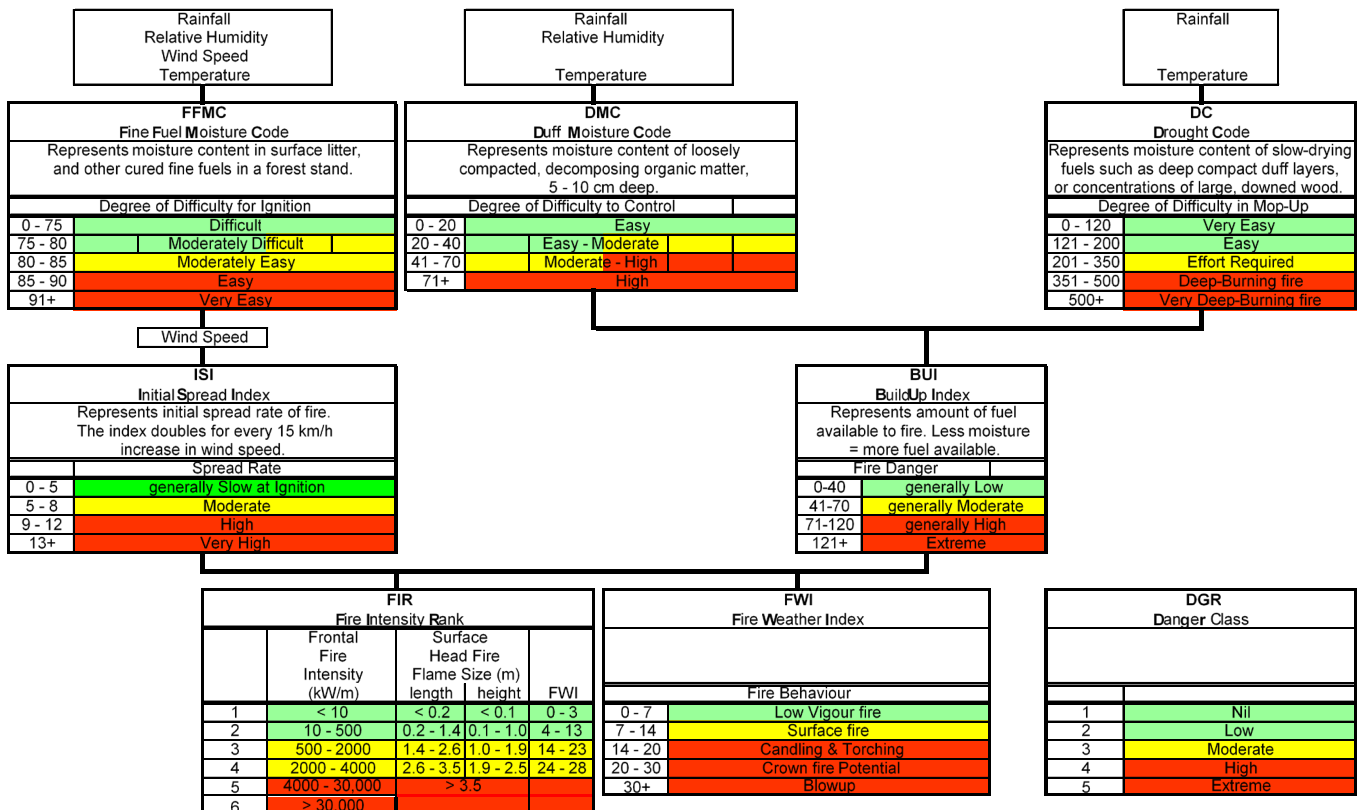
FIRE WEATHER INFORMATION

- Notification emails are distributed to Mosaic Managers/ Supervisors to alert of any shut down conditions (fire weather or rainfall shutdown).
- The Supervisor will alert the crews of any weather-related shutdowns or curtailments (heavy rainfall, fire weather), as well as when start-up conditions have been met.
- Site-specific curtailments will occur, at the discretion of any worker or supervisor, prior to reaching thresholds, if local conditions make the site unsafe or there is a risk to the environment.
- Where operations are shut down for weather hazards, public access will also be restricted (see Plan Access Closures for Extreme Weather Conditions).
- Fire shutdown, watch and start up requirements are legislated in the [Wildfire Regulation](#).
- Refer to the Fire Protection Standards (above) for detailed fire weather monitoring and curtailments. Be aware of abnormal weather conditions, such as “crossover” periods when the relative humidity drops below the temperature (the Mosaic system will deliver alerts to the Managers/ Supervisors in this situation).
- When high risk activities are shut down due to hazardous conditions, certain other types of non-high-risk industrial activities (e.g., activities on road locations such as loading, engineering, forestry, etc.) may continue at the discretion of the Mosaic Manager/ Supervisor.

Fire Weather Indices Reference Guide

FIRE-WEATHER INDICES FIELD-GUIDE

1300 Daylight: **TEMP** Celsius/tenths temperature **RH**% Relative Humidity **WD**8 points Wind Direction **FROM**WS km/h Wind Speed 0=calm **PREC**mm/tenths 24-hour Precipitation



FIRE DANGER CLASS

BUILDUP INDEX (BUI)	FIRE WEATHER INDEX (FWI)				
	0	1-7	8-16	17-30	31+
0-19	Very Low	Low	Low	Moderate	Moderate
20-42	Low	Low	Moderate	Moderate	High
43-69	Low	Moderate	Moderate	High	High
70-118	Low	Moderate	High	High	Extreme
119+	Moderate	Moderate	High	Extreme	Extreme

Fire Weather Curtailment Guide

The following guidelines are provided to compliment the Fire Weather Shutdown requirements noted in the EPRP and within the Fire Protection Standard. The Fire Protection Standard takes priority over these guidelines.

The following operational guide identifies current on-site conditions as well as prolonged buildup conditions which reflect increasing fire risk and behavior. Use this guide to help determine curtailment of high risk industrial activities. MOF regulations for restrictions on "high risk activities" based on Fire Danger Class, supercedes the following guideline.

CURRENT ON-SITE CONDITIONS

- A. Cross Over** When the temperature in Celsius is higher than the relative humidity. This is an indication of severe fire behavior.
ACTION Shut down all **high risk** activity / Campfire ban
- B. FFMC>91
ISI>10** FFMC's greater than 91 indicate very easy ignition of fine fuels while an ISI of > than 10 will result in a rapid spread of the fire putting crews at risk.
ACTION Shut down all **high risk** activity / Campfire ban
- C. > 30 Celsius
< 30% RH** When the temperature exceeds 30 Celsius or when the relative humidity drops below 30% is an indication of increased fire activity. Consider curtailment of all high risk activities in high hazard areas (e.g. dry south slopes).
Action Early shift or shut down in high hazard areas / Campfire restriction

LONG TERM BUILDUP CONDITIONS

- D. FFMC > 91
BUI 0 - 40** When the FFMC is above 91, ignition of fine fuel is very easy. Expect a low vigor surface fire due to the low BUI's. Fire watcher recommended for high hazard areas as BUI's increase.
Action Early shift and/or fire watcher required / Campfire restriction
- E. FFMC > 88
BUI 40 - 80** When the FFMC is above 88 and with the BUI 40 to 80, extra caution is advised. Consider curtailment for hot work and cable yarding near cured fuels. Vigorous surface fire with some torching expected
Action Early shift or shut down in high hazard areas / Campfire restriction
- F. FFMC > 88
BUI > 80** When the FFMC is above 88 and with the BUI > 80, exercise caution. Extremely vigorous surface fire with some torching and crowning expected.
Action Early shift or shut down in high hazard areas / Campfire restriction
- G. FFMC > 88
BUI > 100** With the FFMC 88 or higher and a BUI greater than 100, high to extreme fire danger is present. Crowning fires and blow-up conditions expected with increasing BUI's.
ACTION Shut down all **high risk** activity / Campfire ban / Restricted Access
 BUI > 120 **Shut down all Industrial Activities**
- WIND SPEED** Be aware that these guidelines are more critical if wind speeds are > 15 km/hr or

Aerial Fire Watch

- Aerial spark watch is in addition to ground spark watch regulatory requirements.
- All bookings must be coordinated through Mosaic Forest Protection Team (refer to Appendix 1 – Emergency Contacts for air patrol contacts).
 - where possible, advise the air carrier a day ahead, the flight can be cancelled at the last moment if conditions change (e.g., rainfall, low/ poor visibility).
 - provide update to air carrier of current operational activities and any other areas of concern (e.g., lightning) prior to flight.
 - flights should occur during late afternoon during the peak burning period.

FIRE EQUIPMENT CACHES

Table 9: Fire Equipment Cache – North Island

Location: 3911 Wavecrest Road, Campbell River	
Fire Equipment	
3 – Wajax pumps	22,000 feet – Fire Hose (1.5")
5 – Volume pumps	6,500 feet – Fire Hose (1.0")
3 – Shindaiwa pumps	16 – Hand Tank Pumps
20 – Shovels	740L – Class A Foam Concentrate
15 – Pulaskis	1 – Fire Truck (860 gallons)
3 - Portable Water Bladders (1500 gallons)	
4 - Portable Water Bladders (300 gallons)	
2 - Portable Water Bladders (110 gallons)	
7 - Portable Water Bladders (60 gallons)	
8 – Gravity Bags	

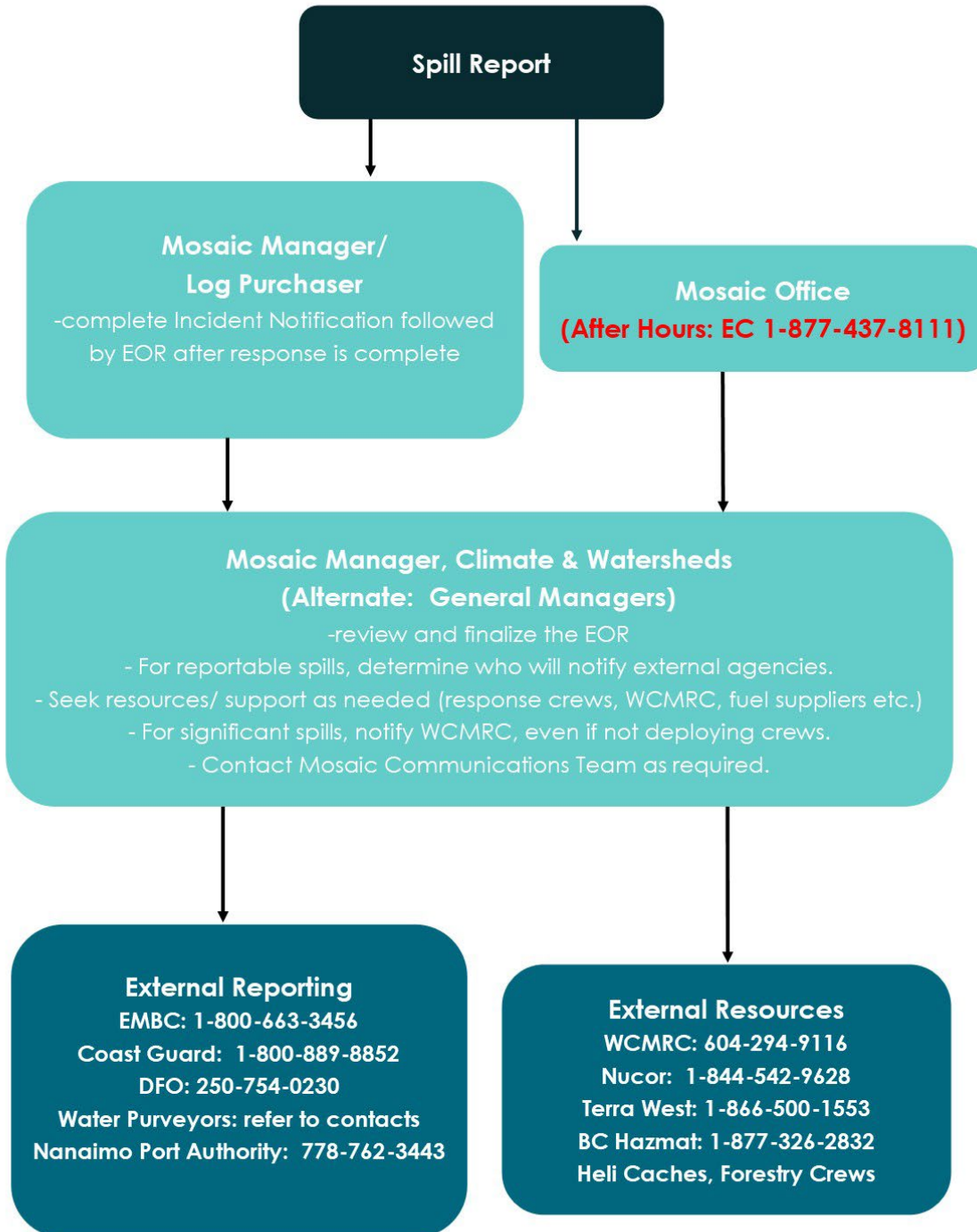
Table 10: Fire Equipment Cache – Central Island

Location: NWB Office	
Fire Trucks - Wajax	
<ul style="list-style-type: none"> 1 – 5lb ABC Fire Extinguisher 1 – First Aid Kit 2 – Siamese [Large gated wyes] 1 – Check Valve 1 – Hose Strangler 1 – Wajax Fire Pump 1 – Fuel Tank [For Wajax Fire Pump] 1 – Pump Primer and Fuel Line 1 – Spark Plug Wrench 2 – Spark Plugs [spares for WAJAX Fire Pump] 12 – Grooved Hose Gaskets 	<ul style="list-style-type: none"> 2 – Hose Keys 3 – Multi Nozzles 2 – Fire Foam Nozzles [15 GPM] 1 – Fire Foam Nozzle [30 GPM] 2 – Fire Foam [20 liter pails] 12 – Ear Plugs [Hearing protection] 800 feet – 1 ½ inch Fire Hose 700 feet – 1 inch Fire Hose 4 – Fire Shovels 4 – Pulaskis
Fire Trucks - PTO	
<ul style="list-style-type: none"> 1 – 5lb ABC Fire Extinguisher 1 – First Aid Kit 2 – Siamese [Large gated wyes] 1 – Check Valve 1 – Hose Strangler 12 – Grooved Hose Gaskets 2 – Hose Keys 3 – Multi Nozzles 	<ul style="list-style-type: none"> 2 – Fire Foam Nozzles [15 GPM] 1 – Fire Foam Nozzle [30 GPM] 2 – Fire Foam [20L pails] 12 – Ear Plugs [hearing protection] 800 feet – 1 ½ inch Fire Hose 700 feet – 1 inch Fire Hose 4 – Fire Shovels 4 – Pulaskis
Fire Equipment	
<ul style="list-style-type: none"> 8 - Honda Volume Pumps 4 - Briggs & Stratton Volume Pumps 20 - Lengths of 3-inch Discharge Hose 10 - Lengths of 3-inch Suction Hose 8 - Priming Pails 8 - Foot Valves 4 - Hydrant Discharge Hoses 4 - Hydrant Valves 2 - 1500 Gallon Water Containment Pools 36 - Wajax Mark 3 Fire Pumps 25,000 Feet - 1 ½ inch fire hose 15,000 Feet - 1-inch fire hose 1500 Feet - 5/8-inch fire hose 	<ul style="list-style-type: none"> 60 - Forestry Foam Nozzles 80 - Forestry Multi Nozzles 32 - 5/8-inch Hose Nozzles 50 - Forestry Hose Wrenches 36 - Forestry Check Valves 30 - Forestry Siamese 10 - Forestry Sprinklers 50 - Hose Stranglers 25 - Forestry Water Thieves 100 - Pulaskis 100 - Shovels

Table 11: Fire Equipment Cache – South Island

Location: 6822 Westcott Road, Duncan BC V9L 6A4 (1km up Herd Rd on right), near Arctic Glacier	
Fire Equipment	
<ul style="list-style-type: none"> 12 – Wajax Pumps (foam equipped with accessories) 4 – Volume Pumps 25 – Shovels 25 – Pulaskis 2 – Portable Water Bladders (1000 gallons) 	<ul style="list-style-type: none"> 15,000 feet – Fire Hose (1.5 inch) 5,000 feet – Fire Hose (1.0 inch) 12 – Hand Tank Pumps 640L – Class A Foam Concentrate 1 - Fire Truck (860 gallons)

SPILLS



Note: EMBC = Emergency Management BC (formerly PEP), WCMRC = Western Canada Marine Response Corporation

RESPONSE ACTIONS

- The Spill Response Plan outlines the assessments, procedures, notifications and follow-up actions taken to safely address and report spills of a hazardous substance.
- For spills on Mosaic lands related to third parties, Mosaic will respond / assist with response as needed to ensure spills are promptly reported and addressed. Obtain assistance from other parties as needed (e.g., consultants, contractors, fire department, highways department, fuel delivery company, WCMRC, etc.). Note that WCMRC can provide support for marine spills and Nucor for inland spills. Refer to the Emergency Contacts (Appendix 1).

1. Safety First

- do not put yourself at risk and wear appropriate PPE.
- assess the magnitude and urgency of the situation; understand hazards.
- evacuate; if necessary.
- enforce NO SMOKING / NO HOT WORK.
- never action any spill without first calling for assistance
- identify the source: chemical/ oil spilled (diesel, gasoline, etc.)
- identify the quantity spilled

2. Shut-off Ignition Sources

- motors, electrical circuits, naked lights, etc., radio's, cell phone's (to be used away from spill site).
- extinguish any flame.

3. Stop the Product Flow

- use common sense, act quickly.
- shut off pumps, close valves, plug the hole etc.
- roll tank or drum so hole is up in air (if possible).

4. Warn People in the Immediate Area

- evacuate and / or seal off area if necessary.

5. Notify your Supervisor

- contact your Supervisor immediately with the source and quantity, they will contact Mosaic.

6. Contain the Spill Site

- block drains, culverts, ditches, build a dam or dike (use earth, straw, hog fuel, commercial absorbent, etc.).
- put down absorbent materials, use spill containment equipment (spill kits, caches).
- obtain additional assistance as required (contractors, equipment/supplies, suppliers).

7. Recovery and Disposal

- start cleanup procedures: use rubber gloves when handling contaminants and use safety glasses if deemed necessary.
- use spill pads to recover hydrocarbon and / or antifreeze liquids.
- once spill pads have absorbed as much as possible remove any contaminated soil and place into drums for disposal in an approved facility.
- ensure materials are disposed of in an appropriate manner (i.e., spill pads or contaminated soil).

8. Restock Spill Kits

- ensure that spill kits are restocked when practicable.

Response Actions – Herbicides

In addition to the spill response actions above, there are some specific items relating to herbicide spills.

Follow all proper transport, storage and transfer procedures to minimize the potential for spills.

- Wear personal protective gear including chemical-resistant gloves and the disposable coveralls.
 - If a respirator is normally used when applying the substance, wear a respirator to clean up the spill.
- Do not smoke, drink, or eat during the clean-up.
- Work up-wind of the spilled material.
- If a substance is spilled on a person, remove contaminated clothing, thoroughly wash skin with soap and water and follow first aid directions for skin exposure.
- If a person inhaled the substance take them to fresh air and follow the first aid directions for inhalation.
- If the spill is inside, ventilate the area by opening doors and windows and using the fans.
- Keep bystanders and animals away from the spill.
- Do not apply water to the spilled substance, it will spread further.
- If the spill is in a public area such as a highway, call the local police.
- Decontaminate the area. Check the substance label and material safety data sheet (MSDS) for information on cleaning up spills.
- Decontaminate all equipment used in the cleanup.
 - Remove and wash protective gear.
 - Change clothing immediately and launder as soon as possible.
 - Discard any badly contaminated clothing or equipment (i.e., scotch broom).
 - Shower using lots of soap and water.

PREPAREDNESS

For large fuel deliveries to remote locations, consider the use of a pilot car to facilitate safe travel.

Spill Response Equipment

The following spill kit guidelines establish the minimum content that should be available, additional supplies may be added as deemed necessary (and are based on [Westcoast Spill Supply Forestry Kits](#)).

Level 1-3 kits are intended to be utilized on a regular basis as needed, and therefore at any given time may not contain all contents. They should be included within a regular inspection schedule to ensure they are regularly restocked.

These guidelines are provided to guide operations with appropriate spill kit selections, acknowledging that site specific conditions may be considered in selection (e.g., a marine fuel station in close proximity to a land fuel station may both be serviced by one Level 3 kit). Close proximity of Level 4 Kits may also be considered.

Table 12: Spill Kit Guidelines

Basic Spill Kit – Pick Up Trucks w/o fuel	Level 1 Spill Kit – Pick Up Trucks with fuel, Log Trucks, Machinery (inc. DLS)
<ul style="list-style-type: none"> 10 Absorbent pads (min. 5 universal) <p>WC Spill Supplies: KI-ESK-F1 Basic Equipment Spill Kit (Level 1)</p>	<ul style="list-style-type: none"> 15 Absorbent Pads 5 Universal Pads 2 3" x 48" Absorbent Socks 2 HD Disposal Bags 1 Pair Gloves Additional recommended on site: shovel, PPE, spill response plan <p>WC Spill Supplies: KI-ESK-F1B Basic Equipment Spill Kit in Nylon Bag (Level 1+)</p>
Level 2 Spill Kit – Fuel Stations, Shops + Dryland Sorts (non-marine)	Level 3 Kit – Fuel Stations, Shops + Dryland Sorts (marine)
<ul style="list-style-type: none"> 20 Absorbent Pads 20 Universal Pads 6 3" x 48" Absorbent Socks 4 2 lb. Bags of Oil Gator Remedial Granular Absorbent 1 1 lb. Jar of Plug n' Dike (leak stop) 5 Disposal Bags 1 Pair Gloves Additional recommended on site: shovel, PPE, spill response plan <p>WC Spill Supplies: KI-ESK-F3 Fuel Storage & Dispensing Spill Kit</p>	<ul style="list-style-type: none"> 100 Absorbent Pads 8 Sections of 5" x 10' Linkable Absorbent Boom 8 HD Hazmat Disposal Bags 2 Pairs Gloves Additional recommended on site: shovel, PPE, spill response plan <p>WC Spill Supplies: Mobile Marine / Dock Spill Response Kit - (KI-ESK360-M)</p>
Level 4 Spill Cache (Mosaic)	
<ul style="list-style-type: none"> 1,000 - Sorbent pads (white) 100 - Sorbent pads (universal) 1 Roll - Yellow Hazmat disposal bags 13 - linkable sorbent booms 5"x10' (4 per bundle) 10 - Booms/ socks 3"x48" 1 - Oil Gator Premium granular absorbent (30lb bag) 	<ul style="list-style-type: none"> 4 - Rakes 4 - Shovels 200' rope 1 unit- Plug n' Dike (Leak Stop Plug Paddy) 5 - pr. Neoprene rubber gloves 5 - pr. nitrile gloves 5 - safety glasses 1 Spill response plan
Herbicide Spill Kit Recommendations	
<p>The following herbicide spill kit recommendations are in addition to the Spill Kit levels above (i.e., additional content for herbicide application activities)</p>	
<ul style="list-style-type: none"> PPE: resistant, unlined gloves, rubber boots, respirator, protective eyewear, disposable coveralls Broom and scoop Disposal containers/ bags 	<ul style="list-style-type: none"> Dry absorbent material (e.g., sawdust, vermiculite, dry coarse clay, kitty litter, newspaper, paper towels, etc. Lime, chlorine bleach or washing soda 1 Spill response plan

SPILL EQUIPMENT CACHES

The following spill response caches are available to Mosaic, contractors and other third parties based on specific agreements in place (e.g., regional districts). They are intended as additional resources to support spill response and are not intended to be primary sources for any party.

Additional caches may also exist for remote or temporary operations, as applicable. Current spill cache location, spill kit level, and key contact person are updated within the GIS portal.

If at any time the contents of a spill cache are significantly depleted, operations in the area must be shut down until the contents can be replenished.

Table 13: Spill Response Caches - Mosaic

Cache	Location	UTM Coordinates		Level	Comments
Mosaic Office - Nanaimo	201-648 Terminal Ave., Nanaimo	431945	5446243	2 (x2)	2x WC Spill Supply Forestry Level 3 Spill Kits (Fuel Storage & Dispensing) No Heli Access
Mosaic Office - CR	4475 NI Hwy, Campbell River	336144	5548909	3A	2x WC Spill Supply Forestry Level 2 Spill Kits (Fuel Storage & Dispensing) and C Can storage (moved from Quinsam) Heli Access Access Code = 2867
Mosaic Operations / Facilities	Various	Various	Various	Various	Mosaic also maintains several spill caches at active remote operations and log handling facilities, refer to Appendix 6. Each sort location has a Level 4 cache

Table 14: Spill Response Caches – Mosaic North Island Remote Operations

The following spill caches for remote operations are stored in 8’ steel storage containers and are transported as needed, on-site at active operations.

North Island Region Remote Operations Spill Cache (3A)	
<ul style="list-style-type: none"> 1 (KI-I-PMPA) – Plug n’ Dike, Premix w. Antifreeze (1lb jar) 10 (KI-1200) – Heavy Weight Oil Absorbent Pads (100 per bundle), White 13 (KI-510) – 5”x10’ Linkable Oil Absorbent Boom (4 per bundle) 1 (KI-DBAG) – HD Yellow Hazmat Disposal Bags (33” x 45” x 6mm, 50 per roll) 	<ul style="list-style-type: none"> 5 (KI-TYVEK) – Tyvek Coveralls with Hood (various sizes) 5 (KI-A8141) – PVC Gloves, neoprene Rubber, 14 inch (pair, various sizes) 5 (KI-NITGLO) – Nitrile Gloves (pair, various sizes) 5 (KI-GOGG) – Plastic Safety Goggles

Table 15: Spill Response Caches – Third Party Locations

Cache	Location	UTM Coordinates		Level	Comments
Westcott Storage	6822 Westcott Road Duncan By Artic Glacier	448293	5407337	4	Westcott key Heli Access
Caycuse Fire Hall	16km South Shore Caycuse Cowichan Lake	399782	5415968	3A	Caycuse, behind gate Lock box access code required, access code 4201 Heli Access
Tuck Brothers	9434 South Shore Road, Mesachie Lake V0R 2G0	416735	5406725	2 (x2) 3	Gord Tuck 250-709-7049 No Heli Access
Townsend Contractor Yard	2780 Otter Point Rd Sooke	444257	5360511	3A	C Can storage behind shop TW Gate Key Heli Access
Comox Lake	3780 Comox Main Courtenay Fish & Game Property	349021	5500966	4	Lock box with gate key & cache key, access code 5794 Spill Cache C Can access code is 9248 Heli Access Detailed content list is below – Table 15.
Woodhus	25km DBM JCT of Cariboo, DBM & Oyster Main	335277	5528159	3A	Behind gate, ITLP Access Fob C Can Storage Lock box access code 2867 Heli Access
Novafor Forest Services Ltd. Office – Port Alberni	4744 Johnston Rd, Port Alberni, BC V9Y 5M3	368386	5457816	2 (x2)	Located in the office No Heli Access 250-713-7818

Table 16: Spill Response Cache - Comox Lake

Qty	Item #	Item Description
10	KI-1200	Heavy Weight Oil Absorbent Pads (100 per bundle) - White
4	KI-UNIV-H	Heavy Weight Universal Absorbent Pads (100 per bundle) - Grey
2	KI-1200H	Heavy Weight Hazmat Absorbent Pads (100 per bundle) - Yellow
8	KI-510	5" x 10' Linkable Oil Absorbent Boom (4 per bundle)
4	KI-810	8" x 10' Linkable Oil Absorbent Boom (4 per bundle)
1	KI-O348	3" x 48" Oil Absorbent Socks (40 per box)
1	KI-O396	3" x 96" Oil Absorbent Socks (20 per box)
5	KI-1-PMPA	Plug n' Dike, Premix w/ Antifreeze(1 lb. Jar)
10	KI-OG30	Oil Gator Premium Bioremedial Absorbent (30 lb. Bag)
12	KI-AB141	PVC Gloves, Neoprene Rubber, Green, 14 inch (Various sizes)
12	KI-NITGLO	Nitrile Gloves (Pair, Various sizes)
12	KI-GOGG	Plastic Safety Goggles
12	KI-TYVEK	Tyvek Coveralls with Hood (Various sizes)
2	KI-DBAG	HD Yellow Hazmat Disposal Bags (33" x 45" x 6 mil, 50 per roll)
3	KI-FB-364	Mini-Berm - 36" x 36" x 4" in Chem Shield fabric
1	KI-FB-486	Mini-Berm - 48" x 48" x 6" in Chem Shield fabric
1	KI-0500	UltraTech 95 gallon yellow poly overpack
1		Roll of Polyethylene
1		Flashlight (plus extra batteries)
4		Shovel
4		Pulaski
1		Level I First Aid Kit
1		Drinking water (flat)
1		Fire Extinguisher (40 BC Marine FE)
2		Hardhats
4		Cones
2		Vests
2		Hammers
2		Pool skimmer
20		Metal Stakes
200ft		Rope
1		Roll of flagging tape
1		Roll Duck Tape
2		Buckets
100		Empty sandbags
1		Decontamination Kit (water, towels, disinfectant soap)

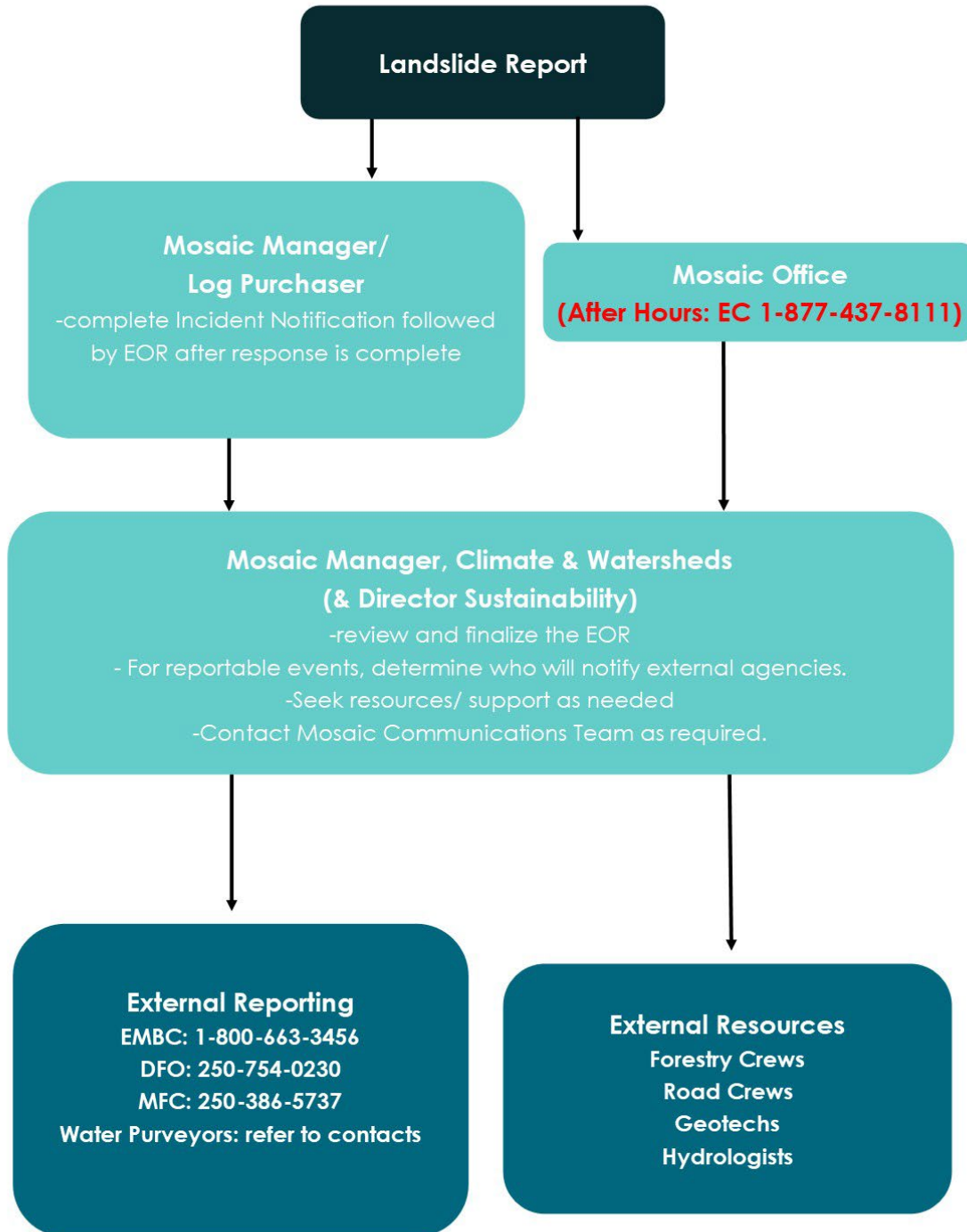


Table 17: Spill Response Caches - Helicopter Companies

- 2x WC Spill Supplies Forestry Level 3 (fuel storage and dispensing) spill kits at each site (refer to Appendix 1: Emergency Contacts)

Cache	Location	Phone Numbers	UTM Coordinates	
West Coast Helicopters	Port McNeill	(250) 956-2244	215071	5609853
West Coast Helicopters	Campbell River	(250) 286-8863	338816	5546157
West Coast Helicopters	Nanaimo	(250) 754-5448	428047	5448419
Kestrel Helicopters	Parksville	(250) 248-2565	402314	5462861
VIH	Saanich	(250) 655-6844	469476	5388143

LANDSLIDE / SLUMP



RESPONSE ACTIONS

- Ensure the safety of yourself / others. Stay Calm!
- Stop activities, move personnel and equipment to safe location where possible and shut down.
- Be aware that communication may be disrupted by power outages and downed lines (maintain radio silence if instructed to do so).
- Evacuate to “safe point”.
- Regardless of rainfall levels, all activities with risk of landslides must stop if a landslide or other natural event occurs.
- Follow Woods Evacuation Procedures as applicable.

PREPAREDNESS

- Refer to the Rainfall Shutdown section.
- Regardless of rainfall levels, watch for water flow in ditches and streams that change color (muddy brown) quickly or any other signs of slope instability and evacuate the area (if safe).

AVALANCHE

RESPONSE ACTIONS

- In the event that search and rescue/ response efforts are required, specially trained avalanche personnel will be responsible for coordinating search and rescue efforts to ensure the safety of response workers.

PREPAREDNESS

- Avalanche season is generally November 15-May 31, or when 0.5m of snow is present in avalanche hazard zones.
- Current conditions can be found by talking to local experts, online through Canadian Avalanche Association, and through bulletins from Avalanche Canada (www.avalanche.ca/map)
- In moderate and high-risk situations:
 - workers are not permitted to work alone.
 - no work shall be carried out on foot.
 - an Avalanche Safety Plan must be completed by a local expert and monitor conditions while workers are in the area. The Safety Plan will outline the required PPE for this site as well as a detailed ERP.
 - equipment should be positioned to minimize exposure to avalanche. No equipment to be stored or parked within hazard zones.
- In extreme risk situations, a no-work zone is typically established. However, specific work may occur provided it is permitted in the Avalanche Safety Plan for the site. All high-risk procedures also apply.

ELECTRICAL / GAS LINE CONTACT

RESPONSE ACTIONS

Electrical Line Contact

1. Ensure that you adhere to the minimum safe clearance distances (to account for contact and potential contact via arc).
2. If tree or equipment contacts electrical line, cease work and notify your Supervisor immediately.
3. Report all electrical line contact to 911 (who will notify the power owner).
4. If your machine comes into contact with an energized line, move it away from the line to break contact.
5. If the machine can't be moved, remain in the machine where possible. If there is an uncontrollable fire and you must vacate:
 - jump off the machine keeping your feet together.
 - never contact the machine and the ground at the same time.
 - shuffle away, never allowing the heel of one foot to move beyond the toe of the other foot OR hop with both feet together.
6. Watch for others and instruct anyone else to stay back a minimum distance of 10m (33ft) from any downed power line and from any equipment/ material in contact with an overhead line.
7. If First Aid is required, do not approach the injured worker until BC Hydro has shut off power and confirms the area is grounded. Contact the FAA.
8. Wait for “all clear” before returning to work.

Gas Line Contact

1. Cease work immediately.
2. Shut down all machinery within 200m of the area.
3. If you can smell gas or hear a high-pressure leak, evacuate the area and move at least 200m away from the leak (preferably upwind).
4. Contact your Supervisor.
5. Call Fortis BC; inform them of the type of disturbance, explain what happened and communicate the location of the incident.
6. Notify the Mosaic Manager/ Supervisor.
7. Document all actions taken.
8. Wait for clearance from Fortis BC or the Mosaic Manager/ Supervisor before returning to work.

LOCKDOWN

- Mosaic has implemented procedures for all of our office locations to maintain access doors in a locked position at all times.
- It is recommended that annual emergency drills of the lockdown procedure be completed (records on file).
- A lockdown of a building or group of buildings is an emergency procedure intended to secure and protect occupants who are in the proximity of an immediate threat. This procedure is used when it may be more dangerous to evacuate a building than stay inside. By controlling entry/exit and movement within a facility, emergency personnel are better able to contain and handle any threats.

NOTIFICATION/ ALERT

- A notification to occupants to for lockdown may be sent by Security personnel, emergency personnel, or from Management. Since each building is unique, individuals may receive notification to lockdown through various means.
- Security or Management is to contact 911.

RESPONSE ACTIONS

- Designated staff (ERT) should lock all exterior doors (if not already maintained in locked positions).
- If you are in a meeting room or office, stay there, secure the door and windows and await further instructions (or an escort from emergency personnel). If you are in a corridor, go into the closest office not already secured and lock or barricade the door and windows.
 - Assist any visitors/ guests.
 - If the door does not lock, barricade the door with tables and chairs.
 - Turn the lights off. Close curtains or blinds where possible.
 - Stay away from windows and doors. Stay low and quiet.
 - Cell phones should be put on quiet or vibrate mode. Do NOT make non essential calls.
 - If the fire alarm is activated, remain where you are and await further instructions from emergency personnel.
 - Follow instructions from the RCMP and/ or security personnel at all times to avoid harm and ensure the best possible response. For their own safety, emergency personnel must initially consider all individuals as potential threats.

Action to Avoid

- Do NOT open the door once it has been secured until you are officially advised “all clear” or are certain it is emergency response personnel at the door.
- Do NOT use or hide in washrooms.
- Do NOT travel down long corridors.
- Do NOT assemble in large open areas (e.g., lunch rooms, foyers)

ALL CLEAR

- Once the “All Clear” has been communicated by security personnel, emergency response personnel or Management:
- If evacuation is required, cooperate with emergency personnel to assist in an orderly evacuation. Proceed to the designated assembly area/ muster location if advised. Support staff may be present as you exit the building to provide additional information.
- The police may require individuals to remain available for questioning following a lockdown.

BUILDING EVACUATION

RESPONSE ACTIONS

- Each Mosaic office/ facility maintains an Emergency Response Team Plan, including evacuation plans and procedures specific to each site (using the ERP Office Building Form template).

PREPAREDNESS

- A Fire Safety Plan is required (BC Fire Code) by owners of small buildings (e.g., offices), residences (e.g., camps) and areas where flammable products are stored (e.g., shops).
 - fire extinguisher and sprinkler system requirements are facility / building specific. Requirements are found within the BC Fire Code and as directed by the buildings insurance provider or the Municipal Fire Inspector.
 - smoke and carbon monoxide detectors must be inspected every 6 months (documented); check battery, dust.
 - fire alarms and sprinkler systems must be inspected and maintained annually by qualified personnel.
- Know the location of the fire exits, fire alarm, and fire extinguisher closest to your office.
- Familiarize yourself with the site-specific procedures.
- Earthquake Emergency Kits are recommended to be kept in a central location.
- Each office and log handling facility maintain a visitor orientation and sign in process.

EARTHQUAKE

RESPONSE ACTIONS

If you are in an office or a building:

1. During an earthquake the ground will shake, and buildings may sway. Sometimes there is a sudden grinding noise or roar.
2. Stay inside – don't try to run outside.
3. Remain calm. Do Not Panic. Think before you move.
4. Move away from large windows, bookshelves, filing cabinets, etc. Hold on and maintain your balance. Try to take cover under a desk or table. Kneel, sit and stay close to the floor. Stay out of doorways.
5. Do not re-enter any buildings if structures may be affected. Contact the office or Mosaic Manager and advise of your situation. Wait for direction.
6. Evacuation plans will be coordinated by the Mosaic Manager or designate, with assistance from outside agencies where required.

If you are in a machine or vehicle:

1. Remain calm. Do Not Panic. Think before you act.
2. Stop moving. Try not to stop under bridges, overpasses or overhead powerlines.
3. Try not to drive over bridges or overpasses.
4. Shut down. Stay in a machine or vehicle during and after the earthquake.
5. Report your situation to office or Supervisor.
6. If you leave your machine / vehicle move to a safe, open area. Watch for falling limbs / trees and shifting logs.

TSUNAMI

RESPONSE ACTIONS

- Be aware of EMBC advisories/ warnings, including ETA.
- Ensure all workers move to designated safe zones (as directed by the emergency alert broadcasts).
- Community Emergency Response Organizations play a key role providing Emergency Reception Centers to provide emergency food, clothing and shelter as well as facilitate communication in the event of a local natural disaster.

FLOODING / DAM SAFETY

RESPONSE ACTIONS

- In the event of a flooding / dam emergency that requires evacuation of a specific area, safe evacuation routes will be communicated to workers in the area, per the Woods Evacuation Procedures below.

PREPAREDNESS

- Community Emergency Response Organizations play a key role providing Emergency Reception Centers to provide emergency food, clothing and shelter as well as facilitate communication in the event of a local natural disaster.
- Be familiar with any dams located up stream of the work area and the designated evacuation routes.
- Know the local radio stations (for emergency broadcast).
- In the event of a large-scale earthquake, assume that the dam will fail and initiate evacuation. Be aware that communication may be disrupted by power outages and downed lines. Monitor local radio channels and EMBC notifications.

WOODS EVACUATION PROCEDURES

RESPONSE ACTIONS

If the health or safety of woods personnel are at risk due to an emergency situation, and personnel need to evacuate the woods to safe areas, the following evacuation procedures apply:

- Ensure that you and those in your immediate area are in a safe location.

Evacuation Coordinator

- A Supervisor (or designate) will assume the role of Evacuation Coordinator and take control of the radio by making a broadcast on the applicable repeater channel(s). Follow Emergency Radio Procedures.
- Request that crews muster in a safe area with those individuals in their immediate work area, or those they travelled to work with. Ensure that crews drive according to the road conditions. Consider that it may be safer for workers to remain at the worksite, rather than travel through unsafe conditions.
- Request that one individual take the responsibility for communications at each Muster Station. The Muster Captain will direct crews to remain at the marshal area, until clearance is given. Communications may be disrupted by power outages and downed telephone lines.
- Designate a First Aid Attendant (FAA) as the First Aid Coordinator. If an event has occurred where there could potentially be multiple injuries, give control of the radio to the First Aid Coordinator.
- In the event of a serious disaster, it may be necessary to establish an Incident Command Center. Ensure the building selected is safe to occupy. Designate responsibilities, as required. Contact Community Response Organizations, as required.

First Aid Attendant (FAA)

- Assess the situation and determine the nature and scope of any injuries. Request information regarding individuals requiring medical attention. Request status reports in the order of serious and life threatening, serious but not life threatening and first aid treatments required.
- Dispatch FAA, on a priority basis; return control of the radio to the Evacuation or First Aid Coordinator.

Evacuation Coordinator

- Designate individual(s) to begin contacting crews (i.e., Supervisors).
- When all personnel at Muster Station are accounted for and have communicated their evacuation plan, the Evacuation Coordinator can instruct them to leave the woods when safe to do so. Designate a Release Point for each group (destination when they are considered clear of danger and can confirm arrival at the designated location safely). When communicating, consider:
 - provide them with information regarding potential hazards that may be encountered and identify potential safe travel routes. Following significant flood or earthquake where you must cross a bridge location, contact Mosaic to confirm if safe to cross or if an emergency inspection is required.
 - request that the group travel together and call in when they reach the Release Point, or they change their evacuation plan / travel route.
 - tune into local radio stations for weather information and relay this to crews.
- Record the names and travel plans for each group (time, location, next check in point). Record any changes to the plans that are communicated at each contact.
- If crews will be delayed returning home, delegate a staff member to communicate this to families.
- Evacuation Coordinator to notify the Mosaic Representative once crews are all safely evacuated.
- The Mosaic Representative will give the “All Clear” and provide return to work directives, when appropriate and safe.

SEARCH & RESCUE PROCEDURES

RESPONSE ACTIONS

The following procedures apply when an individual has missed the designated check in and their location is unknown:

- Supervisor or designate proceed to the work area and attempt to make contact (e.g., radio, voice, whistle).
- If adverse weather and / or time of day will potentially hamper the search or increase risk to the missing person or rescue crew, contact the community Search and Rescue (S&R) Team immediately.
- If no contact can be made, set up search teams of minimum two people sufficiently knowledgeable and ensure proper equipment (maps, compass, radio, etc.). Designate someone to copy maps for the area.
- Establish an Incident Commander (IC) and ensure search teams have contact with the IC (IC documents all action taken).
- IC must contact the Mosaic Manager/ Supervisor as soon as possible.
- If not already done so, the IC or Mosaic Representative contacts RCMP to put the community S&R team on standby.
- Dispatch emergency vehicle and FAA to the site.
- IC will appoint On-Site Supervisor to oversee activities and coordinate.
- Consider air support.
- Gather information on the 'work plan' of the individual.
- If the person is not found within 30 minutes of searching, contact RCMP (911) and request the community S&R team; IC continues to coordinate search efforts until relieved by S&R team and the IC role is handed over to a designated member of the S&R Team.
- Mosaic Management contacts the family members of the lost individual.
- Continue to assist S&R team as required.
- Mosaic: where S&R efforts are in response to an avalanche, consult applicable professionals.

EXPLOSIVES / BOMB THREAT

- The Explosives Response Procedures outline the procedures, notifications and follow-up actions taken to safely address a potential hazard caused by an explosive's emergency.
- When responding to telephone inquiries, it is vitally important to keep in mind the safety of the public and those at the site.

EXPLOSIVES RESPONSE

In the event of a call reporting an explosives emergency on Mosaic land.

- Obtain the name and a call back number. Record pertinent details.
- Advise the safe evacuation of all persons from the site of an emergency.
- Contact the Contract Manager/ Supervisor, who will then:
 - contact the owner of the explosives.
 - if required, request first aid to the area.
- Stand by at the office to receive further information or instructions by radio or phone.
- Contract Manager / Supervisor to follow up with the owner of the explosives to ensure all relevant regulatory and government agencies have been contacted.
- To ensure the safe evacuation of all workers from the site of an emergency:
 - once the emergency has been identified all persons that will be affected must be evacuated to a **"safe area"**.
 - the **"safe area"** is to be communicated to them and once they have arrived at the **"safe area"** a headcount is to be done to ensure everyone is accounted for.
 - once everyone has been accounted for by their supervisor or other person in charge at scene emergency action should take place as per the Contractor ERAP.
 - notify all relevant regulatory and government agencies.

Potential hazards

- If a fire reaches a car, it may explode and throw fragments 1600m (1 mile) or more.
- Fire may produce irritating, corrosive and / or toxic gases or impact environment.
- Public Safety considerations:
 - move people out of line of sight of the scene and away from windows.
 - isolate spill or leak area immediately for a least 500m (1/3 mile) in all directions.
 - keep unauthorized personnel away.
 - stay upwind.
 - ventilate closed spaces before entering.

Evacuation

- Large spills - Consider an initial evacuation for 800m in all directions.
- Fire - If powder truck is involved in a fire, EVACUATE for 1600m in all directions; also initiate evacuation including emergency responders for 1600m in all directions.

Cargo Fires

- DO NOT fight fire when fire reaches cargo! Cargo may explode!
- Stop all traffic and clear the area for at least 1600 meters in all directions and let burn.
- Do not move cargo or vehicle if cargo has been exposed to heat.

Tire or Vehicle Fires

- Use plenty of water - FLOOD it! If water is not available, use CO2, dry chemical or dirt.
- If possible, and WITHOUT RISK, use unmanned hose holders or monitor nozzles from maximum distance to prevent fire from spreading to cargo area.
- Pay special attention to tire fires as re-ignition may occur. Stand by with extinguisher ready.

Spill or Leak

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100m OF ELECTRIC DETONATORS.
- DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.

BOMB THREAT RESPONSE

Letters & Packages

Employees should use caution in handling items delivered by mail or courier that appear suspicious or unusual.

- The following is a list of general guidelines of things to watch for:
 - oil stains on the outside of a package.
 - use of excessive amounts of postage.
 - postmark shows a different address than the return address.
 - no return address.
 - the return address is the same as the person whom the package is addressed to.
 - home-made labels or cut and paste letters from newspapers.
 - the parcel emits an unusual odor.
 - protruding wire or tinfoil is present.
 - ticking, buzzing, or beeping sounds come from the package.
 - contents of the parcel makes a sloshing sound.
- If you suspect a letter or package is not legitimate, or you are suspicious:
 - do NOT open the package.
 - if possible, open windows to aid in venting potentially explosive gases.
 - notify your Supervisor and evacuate the building.
 - contact the local police service by calling 911.

Verbal Bomb Threat

If you receive a verbal bomb threat:

- Try to stay calm.
- Listen carefully to the information and ask questions. Make notes constantly.
- During the conversation, attempt to determine the exact location of the device.
- Pay careful attention to the following details:
 - accent.
 - male or female.
 - young or old.
 - agitated or calm.
 - background noises.
 - disguised or muffled voice.
 - time of the call and duration.
 - any other pertinent details you hear.
- At the conclusion of the call, immediately notify your Supervisor, and have the building evacuated. Contact the local police service by calling 911.

If you receive a written bomb threat:

- Do not handle the note.
- Notify your Supervisor immediately.
- Where required, evacuate the building immediately. Contact the local police service by calling **911**.

EMERGENCY CONTACTS

MOSAIC

MOSAIC EMERGENCY COORDINATOR (EC)			1-877-437-8111
TEAAMS (TECHNICAL EVACUATION ADVANCED AERO MEDICAL SOCIETY)			1-604-229-6757
Department/ Title	Name	Cell #	Email
SAFETY CENTRAL			
Director Health & Safety	Mike Reagon	250-927-1010	mike.reagon@mosaicforests.com
Advisor, Health & Safety	Tammie Wheeler	250-246-5846	tammie.wheeler@mosaicforests.com
OPERATIONS			
Executive VP + COO	Digger Pond	250-714-8582	digger.pond@mosaicforests.com
Director, Roads	John Shearing	250-715-7424	John.shearing@mosaicforests.com
Sr. Manager, Planning & Engineering	Brad Rodway	250-741-6694	brad.rodway@mosaicforests.com
North Island Region			
General Manager	Aaron Racher	250-203-5183	aaron.racher@mosaicforests.com
Contract Manager	Dave Miller	250-202-1844	dave.miller@mosaicforests.com
	James Aitken	250-203-0835	james.aitken@mosaicforests.com
	Ian Emery	250-203-0988	ian.emery@MosaicForests.com
Operations Planning Manager	Gary Lawson	250-203-2372	gary.lawson@mosaicforests.com
Area Planner	John Dirom	250-218-0051	john.dirom@mosaicforests.com
	Taylor Martin	250-732-5785	taylor.martin@mosaicforests.com
	Frank Tiramani	250-201-5743	frank.tiramani@mosaicforests.com
Assistant Planner	Tracy Ng	250-204-1110	tracy.ng@mosaicforests.com
Area Forester	Jennifer Peschke	250-204-3277	jennifer.peschke@mosaicforests.com
	Matt Lebron	250-203-7214	matt.lebron@mosaicforests.com
Assistant Forester	Alex Vallee	250-268-5065	alexandra.vallee@mosaicforests.com
Central Island Region			
Ambulance (Northwest Bay Warehouse) NWB First Aid - Dave Oman (day)/ Shop Mechanic (afternoon)		250-468-6819	c. 250-713-8437
General Manager	Kevin Ashfield	250-927-1197	kevin.ashfield@mosaicforests.com
Harvest Manager	Sam Stanko	250-954-9990	sam.stanko@mosaicforests.com
Contract Manager	Tony Norris	250-228-0195	tony.norris@mosaicforests.com
	Earl Johnson	250-334-6392	earl.johnson@mosaicforests.com
Production Supervisor	Kyle Kononowicz	250-201-5418	kyle.koonowicz@mosaicforests.com
	Mel McMinn	250 714 9233	mel.mcminn@mosaicforests.com
Production Supervisor	Mark Bowater	250-730-6424	mark.bowater@mosaicforests.com
Manager, Maintenance & Purchase	Ben Lattanzi	250-755-5611	ben.lattanzi@mosaicforests.com
Area Planner	Rod Christie	250-720-5539	rod.christie@mosaicforests.com
	Richard Stevens	250-709-1097	richard.stevens@mosaicforests.com
	Chad Iverson	250-616-9270	chad.iverson@mosaicforests.com
	Adam Chouinard	250-802-7335	Adam.chouinard@mosaicforests.com
	Marcus Tonan	250-240-0579	Marcus.tonan@mosaicforests.com
Area Forester	Cole Schneider	780-231-2039	cole.schneider@mosaicforests.com

South Island Region			
General Manager	Wes Fietz	250-618-3599	wes.fietz@mosaicforests.com
Contract Manager	Geoff Annandale	250-618-2148	geoff.annandale@mosaicforests.com
	Chris Vukovic	250-713-0040	chris.vukovic@mosaicforests.com
	Chris Carswell	250-668-2040	chris.carswell@mosaicforests.com
	Andrew Kenyon	250-668-2533	andrew.kenyon@mosaicforests.com
Area Planner	Kevin Brown	250-618-4726	kevin.brown@mosaicforests.com
Area Forester	Chelsey Toth	250-327-9920	chelsey.toth@mosaicforests.com
Logistics			
General Manager, Logistics & Forest Protection	Melinda Morben	250-713-1534	melinda.morben@mosaicforests.com
Manager, Forest Protection	Steve Mjaaland	250-713-0687	steve.mjaaland@mosaicforests.com
Manager, Logistics & Production Planning	Gavin Cook	250-714-5182	Gavin.cook@mosaicforests.com
Manager, Log Handling Facilities	Kraig Urbanoski	250-755-9832	kraig.urbanoski@mosaicforests.com
Supervisor, Log Handling Facilities	Stu Klassen	250-814-4121	Stu.klassen@mosaicforests.com
Manager, Terminal Operations	Darryl Slater	250-668-0753	darryl.slater@mosaicforests.com
Supervisor, Terminal Operations	Dave Skarbo	250-714-4622	dave.skarbo@mosaicforests.com
Supervisor, Log Hauling	Mat Lennox	250-240-1362	Matt.lennox@mosaicforests.com
Supervisor, Fleet	Tara Paugh	250-616-9334	tara.paugh@mosaicforests.com
Department/ Title	Name	Cell #	Email
FORESTS & CLIMATE			
Sr. VP Forests & Climate/ Chief Forester	Domenico Iannidinaro	250-715-7387	domenico@mosaicforests.com
Director, Indigenous Investment	Trevor Joyce	250-204-0250	Trevor.joyce@mosaicforests.com
Director, Gov't Relations & Communications	Karin Doherty	250-713-0420	karin.doherty@mosaicforests.com
Manager, Partnerships	Dana Collins	250-204-2039	Dana.collins@mosaicforests.com
Sr. Manager, Forestry Ops	Jimmie Hodgson	250-714-4698	jimmie.hodgson@mosaicforests.com
Manager, Climate & Watersheds	David Beleznyay	250-716-3721	david.beleznyay@mosaicforests.com
Resource Technologist	Steve Adams	250-240-2141	steve.adams@mosaicforests.com
SUSTAINABILITY			
Director, Sustainability	Molly Hudson	250-713-8409	molly.hudson@mosaicforests.com
Biologist	David Vey	250-240-1002	david.vey@mosaicforests.com
Land Use Forester	Pam Jorgenson	250-816-5582	pam.jorgenson@mosaicforests.com
Land Use Forester	Colin Koszman	250-207-0515	Colin.koszman@mosaicforests.com
COMMERCIAL AND COUVERDON			
President & CEO	Rob Gough	778-871-9423	rob.gough@mosaicforests.com
General Manager, Log Purchase	James Luxmoore	250-715-6901	james.luxmoore@mosaicforests.com
VP Commercial	Geoff Martin	250-715-8709	geoff.martin@mosaicforests.com
Sr. Manager, Product Planning	Nick Broekhuizen	250-230-4614	nick.broekhuizen@mosaicforests.com
Director, Real Estate Development+Sales (Couverdon)	Ross McKeever	250-618-3011	ross.mckeever@mosaicforests.com

DISASTER RECOVERY TEAM

- Responding to a Disaster:**
1. If directed, follow instructions by local authorities
 2. Ensure colleague safety
 3. Notify Business Unit's Senior Executive or designated business lead (virtual or in person) who will notify executive team and CEO will notify appropriate staff and gather the DR Team
 4. Senior Executive assesses situation/impacts. Determines priorities, next steps and communications

Health & Safety

DR Plan Owner	Mike Reagon	250-927-1010	mike.reagon@mosaicforests.com
DR Org. Team Leader	Tammie Wheeler	250-246-5846	tammie.wheeler@mosaicforests.com

Finance & BIS

DR Plan Owner	Ben Lee	(604) 764-2858	Ben.lee@mosaicforests.com
DR Org. Team Leader	Mark Lange	604-816-3624	mark.lange@mosaicforests.com
DR Org. Team Leader Alt	Jim Shaw	250-618-4613	james.shaw@mosaicforests.com
	Tristan Van Der Merwe	604 404-9145	tristan.vandermerwe@mosaicforests.com

Commercial

DR Plan Owner	Rob Gough	778 871-9423	rob.gough@mosaicforests.com
DR Org. Team Leader	Geoff Martin	250-715-8705	geoff.martin@mosaicforests.com
DR Org. Team Leader Alt	James Luxmoore	250-715-6901	james.luxmoore@mosaicforests.com
	Nick Broekhuizen	250-230-4614	nick.broekhuizen@mosaicforests.com

Planning & Improvement

DR Plan Owner	Marco Gasic	1-778-688-6551	Marko.gasic@mosaicforests.com
DR Org. Team Leader	Grant Eldridge	250 713-0274	grant.eldridge@mosaicforests.com

Forests, Climate & Sustainability

DR Plan Owner	Domenico Iannidinardo	250-715-7387	domenico@mosaicforests.com
DR Org. Team Leader	Molly Hudson	(250) 713-8409	molly.hudson@mosaicforests.com
DR Org. Team Leader Alt	Jimmie Hodgson	(250) 714-4698	jimmie.hodgson@mosaicforests.com

Logistics & Forest Protection

DR Plan Owner	Melinda Morben	(250) 713-1534	melinda.morben@mosaicforests.com
DR Org. Team Leader	Kraig Urbanoski	250-755-9832	kraig.urbanoski@mosaicforests.com
DR Org. Team Leader Alt	Darryl Slater	250-668-0753	darryl.slater@mosaicforests.com

North Island Region

DR Plan Owner	Aaron Racher	250-203-5183	aaron.racher@mosaicforests.com
DR Org. Team Leader	Gary Lawson	250-203-2372	gary.lawson@mosaicforests.com
DR Org. Team Leader Alt	Dave Miller	250-202-1844	dave.miller@mosaicforests.com
	Ian Emery	250-203-0988	ian.emery@MosaicForests.com
	James Aitken	250-203-0835	james.aitken@mosaicforests.com

Central Island Region

DR Plan Owner	Kevin Ashfield	250-927-1197	kevin.ashfield@mosaicforests.com
DR Org. Team Leader	Earl Johnson	250-334-6392	earl.johnson@mosaicforests.com
DR Org. Team Leader Alt	Tony Norris	250-228-0195	tony.norris@mosaicforests.com
	Sam Stanko	250-954-9990	sam.stanko@mosaicforests.com

South Island Region

DR Plan Owner	Wes Fietz	250-618-3599	wes.fietz@mosaicforests.com
DR Org. Team Leader	Geoff Annandale	250 618-2148	geoff.annandale@mosaicforests.com
DR Org. Team Leader Alt	Chris Vukovic	250-713-0040	chris.vukovic@mosaicforests.com
	Chris Carswell	250-668-2040	chris.carswell@mosaicforests.com
	Andrew Kenyon	250-668-2533	andrew.kenyon@mosaicforests.com

Radio Frequency List by Area					
Name	Area Covered	Repeater	Receive	Transmit	QT/DQT
Mosaic North Island - Direct	Close range up to 10km	Mt Washington	152.900	152.900	88.5
North Island - Repeater	Buckley Bay to Menzies Bay	Mt Washington	152.900	153.470	88.5
Mosaic ENG/GOR/Fire		Berry Ck	165.120	165.120	88.5
NI JS Direct			153.215	153.215	88,5
NWB Company Ops- Direct	Close range up to 10km	Arrowsmith	173.175	173.175	151.4
NNWB Company Ops - Repeater	Nanoose to Buckley Bay	Arrowsmith	173.175	173.895	151.4
Mosaic Alberni - Direct	Close range up to 10km	Mt Klitsa	173.355	173.355	141.3
Sproat Lake - Repeater	Cameron to Ash, Port Alberni	Mt Klitsa	173.355	173.955	141.3
Mosaic Nanaimo Lakes - Direct	Close range up to 10km	Mt Decosmos	152.990	152.990	110.9 Tx only
Nanaimo Lakes - Repeater	Nanaimo to Chemainus, Copper Canyon	Mt Decosmos	152.990	151.970	156.7 Tx only
Mosaic Cowichan - Direct	Close range up to 10km	Cowichan	165.540	165.540	151.4
Cowichan - Repeater	Duncan to Sooke, Lake Cowichan	Cowichan	165.540	166.095	151.4
Mosaic RD 1			153.110	153.110	203.5
Mosaic RD 2			162.255	162.255	151.4
Mosaic RD3			158.430	158.430	

LOG HANDLING FACILITIES

Facility	Address	Radio Frequency	Tone
Catalyst Port Alberni	4000 Stamp Ave, PA	158.94 (Lad 2)	
Chambers	3392 Smiley Rd, Chemainus	163.65	192.8
Chemainus	9583 Bare Point Rd, Chemainus	173.835	127.3
China Creek	1985 Franklyn River Rd, Port Alberni	168.84	103.5
Coastland Menzies	7880 North Island Hwy, Campbell River	166.26	79.7
Coastland Nanaimo	942 Haliburton St, Nanaimo	166.26	79.7
Island Terminals	900 Phoenix Way, Duke Point, Nanaimo	172.23	91.5
Karlite	8875 Youbou Rd, Lake Cowichan	UFN	Operator signals driver
Longhoh	1225 Clark Rd, Qualicum	UFN	Operator signals driver
North Island Log Sort	7570 N. Island Hwy, Campbell River	153.02	88.5
Northwest Bay	2171 Northwest Bay Rd, Nanoose	171.735	151.4
Otter Point	Jordan River	172.44	100
Paulcan/Jemico	3353 Smiley Rd, Chemainus	UFN	Operator signals driver
Shoal Island	501 MacDonald Rd, Crofton	160.02	123
Shoemaker	5700 Shoemaker Bay Rd, Port Alberni	173.835	141.3
SILF	8541 Hay Rd, Crofton	152.99	DO26N
Gowland		162.660	114.8

FIRE PROTECTION

REPORTING			
Mosaic Emergency Coordinator (EC) – after hours contact		1-877-437-8111	
Manager, Forest Protection (Steve Mjaaland)	250-713-0687	steve.mjaaland@mosaicforests.com	
General Manager, Logistics & Forest Protection (Melinda Morben)	250-713-1534	melinda.morben@mosaicforests.com	
Pro-Tec	250-850-5777		
Coastal Fire Center (BCWS)	250-951-4200; if no answer 1-800-663-5555		
Fire Wardens (Mosaic)			
<i>Fire Wardens maintain InReach subscriptions, which allow them to send text messages via satellite, and then receive responses to the initial text message.</i>			
North Island	Al Tymchuk	c. 1-250-650-8060 busybforestryinc@gmail.com	
Central Island-East	Phil Taudin-Chabot	c. 1-250-927-3408 ptchabot@gmail.com	
Central Island-West	David Clark	c. 1-250-720-1258 daclark197042@gmail.com	
South Island	Chris Wickham	c. 1-250-510-7994 twfirewarden@gmail.com	
Alternate	Phil Taudin-Chabot	c. 1-250-927-3408 ptchabot@gmail.com	
FIRE WATCH AIR PATROL			
Sealand Aviation		o. 250-895-9089 c. 778-245-0110	
FIRE CREWS			
North Island	Blackfish Silviculture (4-person crew + Wildlife Danger Tree Assessor)	Bob Benard, Owner/ Crew Coordinator Dave Mullen, Fire Line Boss	250-882-7612 benardbob@yahoo.ca 250-830-8009
Central-	Silvifor Resource Consultants (4-person crew)	Peter Bontkes, Logistics Officer Damien Pine, Crew Manager	250-714-3930 250-710-8720
Central West	Sitka Silviculture Ltd. (4 person crew)	Scott Lemkay, Crew Coordinator	250-650-3506 scott.lemkay@sitkasilviculture.com
South Island	Khowutzun Forest Services (4person crews 1x 1000 gallon tanker + Wildlife Danger Tree Assessor)	James Fothergill Rob Furness	James.fothergill@ khowutzun.com 250-701-1260 Rob.furness@khowutzunforest.com
ADJACENT INFRASTRUCTURE			
Quinsam Coal – General Manager	Norm Johnson	250-286-3224	Ext. 237
Quinsam Coal – Env. Coordinator	Kathleen Russell	250-286-3224	Ext. 225

HELICOPTER SUPPORT

TEAAMs 1-604-229-6757		
Ascent Helicopters – Parksville	Base/ Dispatch	250-586-5454
EQUIPEMENT	1 – Bell 212HP, 1 – Bell 204A-1+++ , 1 – MD 902 (NOTAR), 1 – Bell 206 L4, 1 – Jet Ranger, 1 – Long Ranger, 1 – MD530 FF, 1 – H125 (B3E)	
	24 hr air ambulance service, Class D (Human External Transport System) Approved	
Westcoast Helicopters – CR	Base/ Dispatch	250-286-8863 250-286-3001
EQUIPMENT:	2 x Level 3 Forestry Spill Kits (WC Spill Supplies)	
Westcoast Helicopters - PM	Phone & Answering Service	250-956-2244
EQUIPMENT:	3 - Jet Rangers, 1 - long ranger, 3 - 500, 3 - A-stars B models, 1 – A-start B3E model, 5 - B2's, 10 - Water Buckets (no medium lift helicopters)	
	2 x Level 3 Forestry Spill Kits (WC Spill Supplies)	
Westcoast Helicopters - Nanaimo	Phone & Answering Service	250-754-5448
EQUIPMENT:	3 - Jet Rangers, 1 - long ranger, 3 - 500, 3 - A-stars B models, 1 – A-start B3E model, 5 - B2's, 10 - Water Buckets (no medium lift helicopters)	
	2 x Level 3 Forestry Spill Kits (WC Spill Supplies)	
Westcoast Helicopters – PA	Base/ Dispatch Pilot	250-898-1242 250-735-2022
EQUIPMENT	3 – A-Stars (B3E, B2, BA), 1 – MD 500D, 1 – Jet Ranger, 1 – Long Ranger	
Grizzly Helicopters – CR	Base/ Dispatch 24hr	250-923-4622
EQUIPMENT:	2 - A-Stars B2's, 2 - Buckets, Foam Injection, Machines equipped with Satellite Phones.	
Grizzly Helicopters – PM	Base/ Dispatch	250-956-4600
EQUIPMENT:	2 - A-Stars B2's, 2 - Buckets, Foam Injection, Machines equipped with Satellite Phones.	
Kestrel Helicopters - Parksville	Base/ Dispatch	250-248-2565
EQUIPMENT:	2 x Level 3 Forestry Spill Kits (WC Spill Supplies)	
VIH - Saanich	Base/ Dispatch	250-656-3987
EQUIPMENT:	2 x Level 3 Forestry Spill Kits (WC Spill Supplies)	
OceanView Helicopters - PR	604-485-7135	
Airspan Helicopters - Sechelt	604-885-7474	
Heli-Jet – Haida Gwaii	250-637-5344	1-877-569-4354
HeliQwest 1 Kamax and 1 bell 206	Gordie Closson (owner) c.1-250-709-7777 Graham Helm (bullbucker) 250-203-3848	

SPILL RESPONSE

REPORTING			
Mosaic Emergency Coordinator (EC) – after hours contact			1-877-437-8111
Manager, Climate & Watersheds (David Beleznay)	250-716-3721	david.beleznay@mosaicforests.com	
Alternate Internal Contacts:			
GM, North Island	Aaron Racher	250-203-5183	aaron.racher@mosaicforests.com
GM, Central Island	Kevin Ashfield	250-927-1197	kevin.ashfield@mosaicforests.com
GM, South Island	Wes Fietz	250-618-3599	wes.fietz@mosaicforests.com
GM, Logistics & Forest Protection	Melinda Morben	250-713-1534	melinda.morben@mosaicforests.com
GM, Log Purchase	James Luxmoore	250-715-6901	james.luxmoore@mosaicforests.com
Emergency Management BC (EMBC)		1-800-663-3456 (24hr)	
Western Canada Marine Response Corp.		604-294-9116 (24 hr)	
Canadian Coast Guard Marine Spill Reporting		1-800-889-8852	
Ministry of Environment		1-800-663-3456	
Department of Fisheries & Oceans - Nanaimo		250-754-0230	
Nanaimo Port Authority		250-753-4146; 778-762-3443 (Emergency)	
Health Canada (Pesticide Incident Reporting Program)		613-736-3799 pmra-incident-arla@hc-sc.gc.ca	
CONTRACTOR SPILL RESPONSE CREWS			
Campbell River	Blackfish Silviculture <i>(10-person crew)</i>	Guy Milligan Dave Mullen	250-287-6119 250-830-8009
Campbell River	Strategic FM <i>(crews accessed through WCMRC)</i>	Niels Jorgensen, Manager	250-202-5412
Duncan	Silvifor Resource Consultants <i>(5-person crew)</i>	Peter Bontkes, Logistics Damien Pine, Crew Manager	250-714-3930 250-710-8720
Duncan	Iverson Forest Mgmt <i>(5-person crew)</i>	Dean Iverson, Logistics Officer	250-715-8162
Duncan	Khowutzun Forest Services <i>(five 5-person crews)</i>	James Fothergill Rob Furness	James.fothergill@khowutzun.com 250-701-1260 Rob.furness@khowutzunforest.com
Port Alberni	NovaFor Forest Service Ltd.	Ben Durkan	250-713-7818 778-421-4177
WESTERN CANADA MARINE RESPONSE CORP.			
WCMRC Head Office		206 – 3500 Gilmore Way Burnaby, BC V5G 0B8	604-294-6001
WCMRC Response Bases			
Duncan		6476 Norcross Road Duncan, BC V9L 5T3	250-746-9443
Burnaby		201 Kensington Ave Burnaby, BC V5B 4B2	604-293-2384
Response Equipment Caches			
Port Hardy – Kwakwaka'wakw		Nanaimo – Coast Salish	
Campbell River – Coast Salish		Deltaport – Coast Salish	
Sunshine Coast – Coast Salish		Fraser River – Coast Salish	
Port Alberni – Nuu-chah-nulth		Victoria - Lekwungen	
NUCOR ENVIRONMENTAL SOLUTIONS			
Nucor Environmental Solutions Ltd.		1-844-542-9628	

FUEL SUPPLIERS		
Coast Mountain Fuels	250-753-0278 (office) prompt for emergency contact; generates email to CMF personnel Darrell Clarkson (Sales Manager) 250-713-7203	
ENVIRONMENTAL SUPPLIERS		
TerraWest Environmental Consultants	1-866-500-1553; 250-252-0190; 250-616-7781	
Quantum Environmental	250-381-9400; 1-877-378-7745; 250-812-7160	
Tervita Corporation	250-915-2010; 250-818-5410	
West Coast Spill Supplies	1-888-548-3800	
BC Hazmat (24hr response & materials)	1-877-326-2832	
Heatherington Industries	250-724-5112	
Walco (Hydro Vac)	250-286-3663	
Nucor Environmental Solutions Ltd.	1-844-542-9628	
Super Save Group (Hydro Vac)	604-533-4423	
WATER PURVEYORS		
Saratoga / Black Creek, Oyster River C/W Courtenay / Comox/ Langley Lake	Mike Herschmiller Zoe Norcross Nu'u	o. 250-334-6023 c. 250-218-9699 c. 250-650-2561
Cumberland, Puntledge C/W	Rob Crisfield	250-336-2291 – Mon – Thurs 250-702-3737 – Fri – Sun (after hours)
Nanaimo C/W	Mike Squire Jaymie Miller	250-713-2054 250-739-0261
Parksville, Englishman C/W	Bob Weir (Town of Qualicum) Murray Walters (RDN) Heidi Cao (City of Parksville)	250-752-6921 250-668-4199 250-248-5412
Ladysmith, Holland, & Stocking Lake C/W	Mike Brown Len Thew Larry McLeod	c. 250-713-3165 c. 778-674-4329 c. 250-245-6445
District North Cowichan / Chemainus C/W, Banon	Dave Conway	250-715-6175
Cherry Creek	Water Works Office	250-723-2214
Port Alberni, McFarland & China C/W	Clinton Wright Amar Giri	o. 250-720-2845; c. 250-735-1193 250-735-1193

OTHER EXTERNAL AGENCIES & RESOURCES

SECURITY	
Safety Net Security (Domcor)	1-833-841-9225 (URGENT) 250-927-6828 (NON-URGENT)
MEDICAL EMERGENCY	
Ambulance /Police/ Fire/ Search & Rescue	911
Provincial Air Ambulance	911; 1-800-561-8011 (general inquiries only)
Emergency Management BC (EMBC)	1-800-663-3456 (24hr)
Marine & Aircraft Distress	1-800-567-5111; or *311 from cellular
Poison Control Center	1-800-567-8911
WorkSafe BC – Emergency Reporting	1-888-621-7233; 1-866-922-4357 (after hours)
ELECTRICAL/ GAS LINE CONTACT	
BC Hydro – Emergency	911
BC Hydro – non-emergency	1-800-769-3766 or *49376 from cellular
Fortis BC	1-800-663-9911 (24hr)
LANDSLIDES	
Managed Forest Council	250-386-5737
MFLNRO	CR 250-286-9300; NI 250-956-5021; SI 250-731-3000
Department of Fisheries & Oceans	1-866-845-6776
Campbell River	250-850-5701
Nanaimo	250-754-0230
Duncan	250-746-6621
Port Alberni	250-720-0440
AVALANCHE	
Island Alpine Guides http://www.islandavalanchebulletin.com/	(250) 400-2870
Mount Washington Resort http://www.mountwashington.ca	(250) 338-1386
EXPLOSIVES	
CANUTEC (Explosives Emergency)	1-613-996-6666 or *666 from cellular
Transportation of Dangerous Goods	604-666-2955
Department of Energy & Mines– Explosives	604-666-0366
Emergency Management BC	1-800-663-3456 (24 hr)
Austin Powder	Office 250-334-2624; Cell 250-898-9424
Dyno Nobel Canada Inc.	1-800-367-4629 (24 HOURS) Office 250-245-0830, Cell 250-713-7942

TSUNAMI/ FLOOD (DAM FAILURES)						
MFLNRO, Dam Safety Section (Scott Morgan)	1-250-387-3265					
EMBC Emergency Alerts	http://www.emergencyinfobc.gov.bc.ca/					
Nanaimo Emergency Alert System	250-758-1311 (automated line)					
Nanaimo Public Works (Jump Ck/South Fork)	250-758-5222					
BC Hydro Security Command Center (Elsie)	1-877-311-8611					
Alberni-Clayoquot Regional District Emergency Program (China Creek, Lizard, Bainbridge, Great Central, Lacey Lk)	(250) 720-2529					
Comox Valley Emergency Program (Langley Lake)	(250)-334-8890					
Powell River Regional Emergency Program (Lois Lake)	604 485-2260; 250-724-1351 (after hours)					
REMOTE AREA EMERGENCY NOTIFICATION (VIA PROTEC)						
Name	Area Covered	Repeater	Receive	Transmit	Tone	Tone
Mosaic Comox	Menzies Bay to Buckley Bay	Mt Washington	152.900	153.470	88.5	88.5
Mosaic Sprout Lake	Cameron to Ash, Port Alberni	Mt Klitsa	173.355	173.955	141.3	141.3
Mosaic Nanaimo Lakes	Buckley to Chemainus, Nitinat	Mt Decosmos	152.990	151.970	110.9	156.7
Mosaic Cowichan	Duncan to Sooke Lake Cowichan	Cowichan	165.540	166.095	151.4	151.4
Mosaic Elk	Upper Campbell Lake to Heber	Elk	165.120	164.500	88.5	88.5
Mosaic Johnstone Straits	Johnstone Straits	Johnstone Straits	153.215	153.915	88.5	88.5
Protec will pass on emergency notification to priority contacts for each Mosaic Operation (as noted in the Working Along Policy).						

CONTACTORS

(sourced from the Safety Database)

Contractor Name	Name	Phone	Cell	Email	Reg	
PRODUCTION CONTRACTORS						
A & K Timber Company Ltd./ Strong Back Timber Ltd.	Andrew	Johnson	250-331-9690	250-714-4127	andrew@aktimber.ca	NI CI
A & K Timber Company Ltd./ Strong Back Timber Ltd.	Becca	Ballan	250-331-9690	250-218-6367	rebecca@aktimber.ca	NI CI
A. Wood Bulldozing Ltd.	Alec	Wood	250-287-3232	250-830-7236	admin@awoodbulldozing.ca	NI
A. Wood Bulldozing Ltd.	Anita	Wood	250-287-3232		anitawood@awoodbulldozing.ca	NI
AGG Logging Ltd.	Greg	Martin	604-485-5151		agglogging@shaw.ca	CI
Alpine Backhoe Services Ltd.	Kevin	Lance	250-287-2220	250-287-6308	klance@alpinebackhoe.com	NI
Alpine Backhoe Services Ltd.	Caddy	Ianson	250-287-2220		adrake@alpinebackhoe.com	NI
Alpine Backhoe Services Ltd.	Dave	Riddell	250-898-1373		riddell_d@shaw.ca	NI
Antler Creek Logging Ltd.	Bill	Boyes	250-723-5958	250-203-1955	antlercreeklogging@shaw.ca	CI
AR Taylor Loading & Hauling Ltd.	Al	Taylor	250-754-1636	250-802-3058	a.taylor.lah@shaw.ca	CI
Arete Log Services Ltd.	Jamie	Tierney	250-619-3414	250-741-7963	jamie.tierney@logcom.ca	ALL
Best Managed Forest / Cutter Cove Logging / SDN Contracting Ltd.	Shawn	Nicholson	250-749-3411	250-898-7292	SNicholson@kaatzagroup.com	SI CI
Best Managed Forest / Cutter Cove Logging / SDN Contracting Ltd.	Jari	Koikkalainen	250-749-3411	250-830-7987	JariK@kaatzagroup.com	SI CI
Big Lake Logging Ltd.	Colin	Shantz	250-736-1428	250-833-6690	colin.biglake@shaw.ca	CI
Bjornson Holdings Limited/ Buffalo Pitts Contracting Ltd./Namu Contracting Ltd.	Stefan	Bjornson	250-748-5080	250-701-8437	stefan_bjornson@hotmail.com	CI SI
Bjornson Holdings Limited/ Buffalo Pitts Contracting Ltd./Namu Contracting Ltd.	Jocelyn	Bjornson	250-748-5080		safety@bjornsons.ca	CI SI
Blue Thunder Contracting Ltd. / Smokey River Logging Ltd.	Steve	Venus		250-203-0442	svenus@bluethunderkb.ca	CI
Bonanza Lake Logging Ltd.	Warren	Roberts	250-286-0530	250-668-9115	wroberts@wahkashcontracting.com	NI
Bruce Graham Contracting Ltd.	Bruce	Graham	250-923-5067		graham51@telus.net	CI NI
C. E. Log Services	Chuck	Eldred		250-726-8173	chuckeldred@live.com	ALL
Camson Contracting Ltd./ Ryder Contracting Ltd.	Chad	Campbell	250-816-1995	250-816-1995	chad-rydercontracting@shaw.ca	CI SI
Camson Contracting Ltd./ Ryder Contracting Ltd.	Karlie	Ward	250-736-1995		karlie-rydercontracting@shaw.ca	CI SI
Cassidy Contracting Ltd.	Victor	Graham		250-203-9293	victor60@telus.net	NI
Challenger Enterprises Ltd. / Gordon Bay Logging Ltd.	Steve	Pierce	250-591-0626	250-480-9577	steve@challengerenterprises.ca	CI SI
Challenger Enterprises Ltd. / Gordon Bay Logging Ltd.	Ellen	Arsenault	250-591-0626		office@challengerenterprises.ca	CI SI
CIDA Holdings Ltd.	Jas	Sandhu		250-715-8219	jss3595@gmail.com	SI
CIDA Holdings Ltd.	Surj	Johel			cidaholdings@shaw.ca	SI

Contractor Name	Name	Phone	Cell	Email	Reg	
PRODUCTION CONTRACTORS						
Coastal Bridge & Construction Ltd.	Chris	Dods	250-723-0263	250-720-9488	Chris@coastalbridge.net	CI S I
Coastal Bridge & Construction Ltd.	Kevin	Morgan			Kevin@coastalbridge.net	CI S I
Coastal Falling Operations	Bridget	Schmidt	250-709-5933	250-709-5933	bridger@vifm.com	SI
Comox Valley Firewood	Danny	Francoeur		250-203-3473	francoeur400@yahoo.ca	NI
Copcan Civil Ltd.	John	Gregson	250-754-7260	250-616-9145	jgregson@copcan.ca	SI
Core Trucking Ltd.	Cody	Chase	250-754-2633	250-714-9933	coretrucking@telus.net	CI
Creek Valley Resource Consultants Ltd.	Martin	Blyt	250-951-0566	250-927-4830	creekvalley@telus.net	CI
Cypress Log Services Ltd.	Jamie	Tierney	250-751-1777	250-619-3414	jamie.tierney@logcom.ca	CI
DC Johnstone Excavating Ltd.	Dave	Johnstone	250-743-6881	250-715-6980	forestvisions@shaw.ca	SI
DC Johnstone Excavating Ltd.	Sherry	Johnstone	250-743-6881	250-701-3213	sherryjforestry@gmail.com	SI
D.R. Addison Contracting Ltd.	Derek	Addison	250-741-0050	250-714-6161	derekaddison@hotmail.com	SI
Discovery Booming Ltd.	Adam	Sweeney	250-286-3034	250-203-2180	adamsweeney@gowtow.ca	NI
DMAC & Son Contracting Ltd.	Dwayne	MacIntyre	250-753-0738	250-713-9950	dwaynemacs@shaw.ca	SI
Don Banks Timber Service's	Don	Banks		250-701-3378	dbankstimber@shaw.ca	SI
Dorman Contracting Ltd./ Fred Morris & Sons Selective Harvesting Ltd.	Tim	Dorman	250-585-6470	250-755-6470	twdorman@shaw.ca	CI
Earthman Contracting (2020) Ltd.	Aaron	Hetherington	250-735-6116		aaron@earthlandsea.ca	CI
Elco Contractors Ltd.	Chris	Mattin	250-746-6006		cmattin@shaw.ca	SI
Footprints Security Patrols	Debbie	Shea	250-618-5989		debbie.shea@footprintssecurity.com	SI
Frontier Log Scaling Ltd.	Jamie	Tierney	250-751-2722		jamie.tierney@logcom.ca	A LL
Frontier Log Scaling Ltd.	Mike	Sinclair			mike.sinclair@logcom.ca	A LL
Haka Enterprises Ltd.	Ted	Leroy	250-746-7841	250-715-5115	tleroy@telus.net	SI
Harke Construction Services Ltd.	Herb	Veasey	250-734-3444		harkeservices@gmail.com	CI
Haslam Creek Contracting Ltd.	Mark	Haslam	250-667-4747		cmshaslam@hotmail.com	CI
HeliQwest Aviation Inc.	Gord	Closson	778-356-0068	250-709-7777	gord@standingstem.com	CI
HeliQwest Aviation Inc.	Anita	Klett	778-356-0068		anita@standingstem.com	CI
Hopper Ventures Ltd.	Les	Pyle	250-202-7953		hopperventures@gmail.com	CI
Integrated Operations Group	Sig	Kemmler		250-701-1889	sig.kemmler@iogl.ca	NI C I
Integrated Operations Group	Suzanne	Bonner	250-287-7010		suzanne.bonner@iogl.ca	NI C I
Jagged Mountain Excavating Ltd.	Reid	Graham	604-910-7343		jaggedmountainexcavating@gmail.com	NI
JBM Falling Ltd./Steep & Deep Falling	Jesse	Drover	250-287-0553		jessealandrover@gmail.com	NI
Jenn Ventures Ltd.	Bob	Jepson	604-487-9300	604-483-8042	bobjepson@shaw.ca	NI
Joan Pt. Log-Handling Services Ltd.	Daryl	Jones	604-408-8426	250-246-3388	daryl@jmsstugs.com	SI

Contractor Name	Name	Phone	Cell	Email	Reg	
PRODUCTION CONTRACTORS						
Joan Pt. Log-Handling Services Ltd.	Josee	Bolduc	250-246-1100		josee@jmstugs.com	SI
JoR Contracting Ltd.	John	Robinson	250-286-3757	250-287-1011	jrcontracting@telus.net	NI CI
Jordan River Logging Ltd./ LN & Sons Trucking Ltd.	Lyle	Newton	250-246-1414	250-619-5909	lylenewtonipl@gmail.com	SI
Jordan River Logging Ltd./ LN & Sons Trucking Ltd.	Michelle	Finlay	250-246-1414		michelle@islandpacificlogging.com	SI
Jordan River Logging Ltd./ LN & Sons Trucking Ltd.	Trevor	Bergstrom		604-865-0041	safety@island-pacific.com	SI
K&D Contracting Ltd.	Todd	Wells	250-830-3230		toddw@kdcontracting.ca	NI
Klaus Posselt Logging Ltd.	Trevor	Wiens	250-692-7640	250-203-4953	trevor@tahtsa.ca	NI
Kwest Harvesting Ltd.	Kevin	Playfair	250-871-0208	250-792-2289	kevinp@merakiresources.com	NI
Kwest Harvesting Ltd.	Matt	Enns		250-703-1365	menns@merakiresources.com	NI
Laurand Enterprises Inc. / Seaspray Log Scaling (2001) Ltd.	Dave	McNaught	250-390-1758	250-714-8445	seasprayscaling@shaw.ca	A LL
Laurand Enterprises Inc. / Seaspray Log Scaling (2001) Ltd.	Phil	Getz	250-390-1758	250-616-8250	phil_seasprayscaling@shaw.ca	A LL
Log Specific Contracting Ltd. / Holyoak Holdings Ltd.	Norm	Powers	250-715-6484	250-951-1119	npowers@live.ca	SI
Log Specific Contracting Ltd. / Holyoak Holdings Ltd.	Admin				admin@logspecific.ca	SI
Log Specific Contracting Ltd. / Holyoak Holdings Ltd.	Barb	Diederichs	250-715-6484		info@logspecific.ca	SI
Longridge Timber Corp.	Barb	Horsman	250-710-4215		northviewtimber@shaw.ca	SI
Longridge Timber Corp.	Lynn	Lafurgey	250-597-4777		safetycomesfirst@shaw.ca	SI
LOTS Ventures Canada	Greg	Munden	250-828-2821		greg.munden@lotsgroup.com	CI
LOTS Ventures Canada	Trish	Kohorst	250-828-2821		trish.kohorst@lotsgroup.com	CI
Mount Sicker Lumber Company Ltd.	Craig	Frederickson	250-746-1918	250-709-5046	craig@mountsicker.com	CI SI
Mount Sicker Lumber Company Ltd.	Shirley	Bolton	250-746-1918		shirley@mountsicker.com	CI SI
Mount Sicker Lumber Company Ltd.	Chris	Bell	250-735-3435		chris@mountsicker.com	CI SI
Mount Sicker Lumber Company Ltd.	Andrew	Roe	250-710-7255		andrew@mountsicker.com	CI SI
Mycoeh Trucking	Rob	Mycoeh	250-248-3760		mycoehtrucking@outlook.com	CI
Oceanside Timber / Marble Canyon Holdings	Chris	Flynn		250-203-7066	chrisflynn74@gmail.com	CI
Oceanside Timber / Marble Canyon Holdings	Danielle	Flynn			marblecanyonholdings@gmail.com	CI
P. Morris Contracting Ltd.	Peter	Morris	250-248-5651	250-228-2051	ar.morris@icloud.com	CI
Quality Scaling and Grading Ltd.	James	MacGregor	250-956-2633		qsg@telus.net	A LL
River City Logging Management Ltd.	Sean	Estabrook		250-204-1864	sean@rivercityfalling.com	CI
Roga Contracting Ltd.	Tanya	Radu	250-851-3676		tanya@roga.ca	CI
Roga Contracting Ltd.	Sean	Estabrook	250-851-3676	250-204-1864	sean.estabrook@roga.ca	CI

Contractor Name	Name	Phone	Cell	Email	Reg	
PRODUCTION CONTRACTORS						
Roga Contracting Ltd.	Mike	Bowater		250-201-3989	mike.bowater@roga.ca	CI
Sangson Logging Ltd.	Steve	Sangara		250-701-3853	amelia@sangsonlogging.com	SI
Sangson Logging Ltd.	Steve	Sangara			steve@sangsonlogging.com	SI
Sangson Logging Ltd.	Dory	Haney	250-924-4280		office@sangsonlogging.com	SI
Senica Logging Ltd.	Danny	Graham		604-795-0687	dannygraham@maharg.ca	CI
Senica Logging Ltd.	Carl	Graham		604-819-4316	carlgraham@maharg.ca	CI
Shadforth Log Scaling Ltd.	Jamie	Tierney	250-751-1177		jamie.tierney@logcom.ca	ALL
SkyTech Yarding Ltd.	Brian	Elesko		604-892-7977	brielesko@hotmail.com	CI
SkyTech Yarding Ltd.	Rhonda	Elesko		604-815-3582	skytechyarding@outlook.com	CI
Spuzzum Contracting Ltd.	Alben	Stromquist		250-714-3670	aljacontracting@shaw.ca	SI
Spuzzum Contracting Ltd.	Shanae	Hahndel			shanae@spuzzumcontracting.ca	SI
Star Lake Contracting Ltd.	Ken	Fraser	250-932-4166	604-730-9267	kenfraser@telus.net	SI
Star Lake Contracting Ltd.	Debbie	Payne	250-932-4166		debbie.starlake@shaw.ca	SI
Star West Holdings Ltd.	Luke	Hopkins	250-735-2140		starwestholdings@gmail.com	CI
Suncoast Logging Ltd.	Jared	Douglas	250-286-7226	250-287-0260	jdouglas@cypresscreeklog.com	NI
Suncoast Logging Ltd.	Kandace	Prior	250-202-5374		kprior@cypresscreeklog.com	NI
Sunset Logging Ltd.	Jason	LaRush	250-926-0869	250-202-2188	jayandcar@hotmail.com	SI
Tahtsa Timber Ltd.	Trevor	Wiens	250-692-7640	250-203-4953	trevor@tahtsa.ca	NI
Talbot Logging Ltd.	Dan	Talbot	250-337-5132	250-218-0917	datalbot@telus.net	NI
Thichum Forest Products LP	Adam	Culos	236-327-8037	604-208-3644	adam.culos@tmslp.ca	NI
Timberstone Logging Ltd.	Frank	Adams	250-713-4574		frankadamsr@gmail.com	SI
Timberstone Logging Ltd.	Melanie	Adams			tsloggingmelanie@outlook.com	SI
Townsend Bros Construction Co Ltd./ Wye Lake Contracting Ltd.	Nick	Smith	250-391-6474	250-883-0890	nsmith@townsendbroconstruction.com	SI
Townsend Bros Construction Co Ltd./ Wye Lake Contracting Ltd.	Colin	Rayner		250-642-7647	crayner@townsendbroconstruction.com	SI
TPH Contracting Inc.	Paul	Henderson	250-204-4577	250-204-4577	tpaulhenderson@gmail.com	NI
Tuck Brothers Forestry Ltd.	Gord	Tuck	250-749-4825	250-709-7049	tuckbros@shaw.ca	SI
Wahkash Contracting Ltd.	Dorian	Uzzell	250-286-0530	250-202-6146	duzzell@wahkashcontracting.com	NI
Wahkash Contracting Ltd.	Charlene	Keats	250-286-0530		ckeats@wahkashcontracting.com	NI
Wahkash Contracting Ltd.	Davin	Legendre			dlegendre@wahkashcontracting.com	NI
West Coast Log Salvage Corp.	Jacob	Pizzey	250-334-7268		jake@wclogsalvage.ca	CI

Seasonal Contractors

Contractor Name	Name	Phone	Cell	Email	Reg.
PLANNING & FORESTRY CONTRACTORS					
1224333 B.C. Ltd	Eric	Courtin	236-330-6770		eric@courtinenvironmental.com ALL
B.R.I. Security & Consulting Services Ltd.	Bruce	Ingram		250-709-5343	bingram1111@shaw.ca SI
B. Berry Enterprises Ltd.	Brad	Berry		250-720-9047	berrybj@telus.net CI
Baseline Archaeological Services Ltd.	Owen	Grant	250-897-3853	250-334-6507	owengrant@shaw.ca NI
Blackdog Forest Engineering	Tim	Shepherd		250-701-2425	shepherd@shaw.ca SI
Blackfish Silviculture Ltd.	Bob	Benard			benardbob@yahoo.ca NI SI
Brinkman & Associates Reforestation Ltd.	Brian	Beaton		250-331-3196	Brian_Beaudry@brinkman.ca ALL
Busy B Forestry Inc.	Alan	Tymchuk	250-650-8060	250-650-8060	busybforestryinc@gmail.com NI
C.J. Nielsen Forest Consultant	Corry	Nielsen	250-724-5401	250-735-0947	cjnielsen@shaw.ca CI
Coastal Forest Contracting Corp.	John	Herman	250-286-3342		johnherman1@hotmail.com NI
Coastal Invasive Species Committee Society	Don	Hare		250-710-2010	donhare@coastalisc.com SI
Contour Geoscience Ltd.	Ron	Arksey	250-339-7160	250-334-6712	contourgeoscience@shaw.ca ERI
Crowhurst Forest Management	Sean	Crowhurst	250-202-2271	250-202-2271	scrowhurst@cfmg.ca NI
D. R. Clough Consulting	David	Clough	250-390-2901	250-714-5416	drclough@shaw.ca ERI
DC Johnstone Excavating Ltd.	Sherry	Johnstone	250-743-6881	250-701-3213	Sherryjforestry@gmail.com SI
DGR Consulting Ltd.	Darryl	Rigets		250-951-8675	drigets@shaw.ca CI
Eco-Connected Resource Services	William	Watson	250-924-5689	250-210-5689	williamwhipperwatson@gmail.com SI
Econ Consulting Ltd.	Erik	Holbek	250-337-5588	250-897-2763	Erik@econ.ca SI
Evergreen Forest Services Ltd.	Eric	Nelson	250-926-9124	250-710-7782	egneric@gmail.com ALL
Full Phase Forest Consulting Ltd.	Mike	MacKinnon	250-287-8323	250-202-8315	fullphaseforest@gmail.com NI
Generous Forest Services Limited	Steven	Generous	250-710-8210	250-710-8210	steven.generous@generousforest.ca SI
Generous Forest Services Limited	Shawn	Cyr		250-710-8264	shawn.cyr@generousforest.ca SI
Geoforestry Consulting	Jack (John)	Whittles	250-591-3454	250-802-9042	geoforestry@shaw.ca ERI
Graham / Wall Consulting Ltd.	Wayne	Wall	250-926-6678		w.wall@shaw.ca ERI
Guillory Emery & Associates Ltd.	Roland	Emery		250-974-8340	roland@guilloryemeryassociates.com ALL
Hamatsa Reforestation Ltd.	K'odi	O'wadj			hamatsa.reforestation@gmail.com ALL
Himark Forestry Consulting Services	Bernie	Schulte	250-286-1630	250-202-9719	himark7@shaw.ca NI
Husky Forest Services Ltd.	Dave	MacLeod	250-923-1596	250-830-3283	huskyforestservices@shaw.ca NI
Impact Reforestation Ltd.	Greg	Kingston	250-286-3116	250-287-0850	impact@shawbiz.ca SI
Integrity Industrial Services Ltd.	Jake	Solway		250-830-8811	jake@integrityindustrial.net ALL
JET Forestry Services Ltd.	Tyler	Parks	250-709-4993		jet.forestry@outlook.com SI
KAZ Contracting Ltd.	Kevin	Kyle	250-830-0280	250-202-3782	kevinkyle@telus.net NI

Contractor Name	Name	Phone	Cell	Email	Reg.	
PLANNING & FORESTRY CONTRACTORS						
Kerley & Associates Forestry Consulting Ltd.	Jeff	Kerley	250-390-9134	250-616-9756	jkerley@shaw.ca	ALL
Khowutzun Forest Services Ltd.	James	Fothergill		250-466-9522	james.fothergill@khowutzun.com	SI
KML Forestry	Kevin	Lafond	250-714-0695	250-816-0696	kmforestry@shaw.ca	SI
KNK Ventures	Keith	Simpson	250-735-2666		nickib@shaw.ca	CI
Lance Gray	Lance	Gray		250-954-7764	lizzienschmidt@hotmail.com	CI
LumberMann Forestry	Colin	Mann		250-510-9962	lumbermannforestry@gmail.com	SI
Madrone Environmental Services Ltd.	Alysha	Morden	604-504-1972		safety@madrone.ca	ERI
Maritime Pacific Engineering Ltd.	Jamie	Alguire	250-923-4023		jamie@maritimepacific.ca	ERI
Maritime Pacific Engineering Ltd.	Trevor	Madson			trevorm@maritimepacific.ca	ERI
MB Forest Consulting	Murray	Brandon		250-246-0425	murray.brandon@shaw.ca	SI
MB Log Scaling Ltd.	Mike	Burnip			mb.logscaling@gmail.com	ALL
New Heights North Contracting Ltd.	Steve	Sandholm	250-923-5240	250-202-5240	sand88@telus.net	NI
Northwest Hydraulic Consultants Ltd.	Nigel	Lindsey	250-754-6425		nlindsey@nhcweb.com	ERI
Northwest Hydraulic Consultants Ltd.	Carol	Griffiths	604-969-3001		cgriffiths@nhcweb.com	ERI
NovaFor Forest Services Ltd.	Steve	Rhodes	778-421-4177	250-735-5921	steve.rhodes@novafor.co	CI
Oceanside Forest Consulting Ltd.	Ben	Racher		250-713-5170	benracher@gmail.com	SI
Onsite Engineering Ltd.	Tony	Pereira	250-832-3366		tpereira@onsite-eng.ca	NI
Onsite Engineering Ltd.	Kelly	Medland	250-287-9174		kmedland@onsite-eng.ca	NI
Pacific Wood Waste Inc.	John	Ellis	250-336-2121	250-897-2128	pacificwoodwaste@shaw.ca	NI
Pacificus Biological Services Ltd.	Doug	McCorquodale	250-949-9450	250-949-0964	doug@pacificus.ca	NI
Pacificus Biological Services Ltd.	Tanya	Clarke	250-949-9450		tclarke@pacificus.ca	NI
Profor Consulting Ltd.	Cam	Linklater	250-954-8490		linklater.c@shaw.ca	CI
Rock & Log Contracting Ltd./ Yellowstone Log Salvage Ltd.	Bruce	Shaw	250-380-8398		rockandlogcontracting@gmail.com	CI
Rocksteady Resource Management Ltd.	Kurtis	Byze		250-816-6789	kurtisbyze@hotmail.com	CI
Safety Net Security	Robert	Campbell		250-740-5537	robertcampbell@safetyntsecurity.ca	CI
Seabird Lake Tree Service	Harry	Kleiner	250-339-0669	250-897-2144	seabirdlake@yahoo.ca	NI
Silvifor Resource Consultants Ltd.	Peter	Bontkes	250-743-6937	250-714-3930	bontkesp@gmail.com	CI
Silvifor Resource Consultants Ltd.	Sarah	Madsen		250-327-0418	s.madsen@silvifor.com	CI
Sitka Silviculture Ltd.	Paul	Agnew	250-336-7902	250-204-4261	sitkasilv@yahoo.ca	ALL
Somerville Forestry Consulting	Jamie	Somerville	250-287-6257	250-287-6257	jamiesomerville@hotmail.com	NI
Spectrum Resource Group Inc.	Jesse	Bazergul		250-682-6403	jbazergui@srgi.ca	SI
Stawamus Log Trading Ltd.	Dave	Kral		250-755-5143	daveskral@gmail.com	SI
StoneCroft Engineering Ltd.	Lee	Deslauriers	778-346-1818	250-203-4900	lee@stonecroftengineering.ca	CI
StoneCroft Engineering Ltd.	Janice	Mathers	778-346-1818	250-202-6210	janice@stonecroftengineering.ca	CI

Contractor Name	Name		Phone	Cell	Email	Reg.	
PLANNING & FORESTRY CONTRACTORS							
StoneCroft Engineering Ltd.	Jen	Modin	778-346-1818	250-203-5864	jen@stonecroftengineerin g.ca	CI	
Strategic Natural Resource Consultants Inc.	Aaron	Frost	250-956-2260	250-230-4632	aaron.frost@snrc.ca	NI	
Suavair Aerial Imaging	Colin	Filliter	250-830-8849	250-830-8849	colin.filliter@suavair.com	SI	CI
Sue-Ellen McDonald	Sue- Ellen	McDonald	250-203-6998	250-923-6333	myricabio@telus.net	ERI	
SYLVIS Environmental Services	Karl	Steinicke	604-374-7192		ksteinicke@sylvis.com	ERI	
Terrawest Environmental Inc.	Adam	Mabbott	866-500-1553	250-616-7781	amabbott@terrawest.ca	ERI	
Tetra Tech Canada Inc.	Michael	Gallo	250-756-2256		Mike.Gallo@tetrattech.co m	CI	
Timberline Reforestation Ltd.	Kai	Kneeland		250-218-6298	kaikneeland@gmail.com	ALL	
Timberline Reforestation Ltd.	Rene	Monjo		250-897-6137	renemonjo@gmail.com	ALL	
Three Tree Forestry Services Limited	Dan	Dyble		250-303-2321	dan@ttfs.ca	NI	
Vanagrove Forest Contracting	Gord	Gibbs	250-334-0652	250-218-5092	vanagrovefc@gmail.com	NI	
Vancouver Island Coastal Old Growth Solutions Ltd	Tyler	Norris	250-802-8451		violdgrowthsolutions@gm ail.com	CI	
Wagner Reforestation Ltd.	Scott	Wagner	250-335-1026	250-334-7323	wagnerreforestation@gm ail.com	SI	
Zanzibar Holdings Ltd.	Tony	Harrison	604-216-7766	604-818-6302	tony@zanzibar.ca	ALL	

Seasonal Planting Contractors

BCWS COASTAL FIRE CENTER

KEY PERSONNEL - COASTAL FIRE CENTRE				
GENERAL ADMIN - PARKSVILLE - General Enquiries: 250-951-4222 / General Fax: 250-954-0823				
CALLSIGN	NAME	TITLE	OFFICE	WORK CELL
COASTAL FIRE CENTRE				
2P	CLINT PARKER	FIRE CENTRE MANAGER	250-947-2614	250-203-0621
2P1	JIM RICHARDSON	DEPUTY FIRE CENTRE MANAGER	250-947-2627	250-218-2490
2P5	MAMATA GOMEZ	BUSINESS MANAGER	250-947-2684	250-927-5140
2P2	GREG BOYACHUK	SENIOR WILDFIRE OFFICER - OPERATIONS	250-947-2656	250-228-0771
2P3	ALAN BERRY	SENIOR WILDFIRE OFFICER - PREVENTION	250-947-2605	250-927-5233
2P4	ROB KEEN	SENIOR WILDFIRE OFFICER - AVIATION	250-947-2647	250-954-9192
2P8	ALLAN GOSSEN	SAFETY & STAFF DEVELOPMENT COORDINATOR	778-359-0155	604-860-3334
2P21	HANNAH PERKINS	A/WILDFIRE SERVICES OFFICER	250-947-2622	250-228-4307
-	CONFERENCE ROOM - FISH BOWL (BLDG A) - Polycm		250-947-2646	-
V1 - FRASER ZONE - ZWCO: 778-359-0141				
CULTUS LAKE FIRE BASE - General Enquiries: 778-704-7207				
2P13	NATHAN STEWART	WILDFIRE TECHNICIAN	778-974-5704	250-812-0750
2P15	DAVID JONES	WILDFIRE ASSISTANT	778-704-7214	604-798-6374
HAIG FIRE BASE - IA: 778-359-0146 / UC: 778-359-0145				
2P11	GEORGE CAMPBELL	A/WILDFIRE OFFICER	-	604-869-4043
2P12	BRIAN DAVIS	WILDFIRE TECHNICIAN	778-359-0150	604-860-3252
2P14	BRADLEY (BRAD) WARNOCK	A/WILDFIRE TECHNICIAN	778-704-7207	604-798-2153
2P10A	SANDRA ANDREW	OPERATIONS ASSISTANT	778-359-0144	604-860-3241
V3 - PEMBERTON ZONE - ZWCO: 604-894-0371				
PEMBERTON FIRE BASE - General Enquiries: 604-894-5401 / Fax: 604-894-5092				
2P33	SEBASTIAN KALLOS	WILDFIRE TECHNICIAN	-	250-265-3476
2P34	JOE LAX	A/WILDFIRE TECHNICIAN	604-894-2106	604-819-1903
2P35	MIE YAMASHITA	A/WILDFIRE TECHNICIAN	604-894-2113	250-256-3157
2P38	ATTILA NELSON	A/WILDFIRE ASSISTANT	-	604-698-7964
2P30A	ALEXANDRA HETHERINGTON	OPERATIONS ASSISTANT	604-894-2127	604-698-5842
SQUAMISH FIRE BASE - General Enquiries: 604-898-2122				
2P32	MARC SIMPSON	WILDFIRE OFFICER	236-468-4045	604-905-9100
2P37	JORDAN AKERS	A/WILDFIRE ASSISTANT	-	604-966-1067
V5 - SUNSHINE COAST ZONE - ZWCO: TBC				
POWELL RIVER FIRE BASE - General Enquiries: 604-485-2794 / Fax: 604-485-2798				
2P50	JEFF BELCHER	WILDFIRE OFFICER	778-799-2095	604-414-5089
2P52	PAUL BONDOC	WILDFIRE TECHNICIAN	778-799-2158	604-208-3554
SECHLT FIRE BASE - General Enquiries: 604-740-8981 / Fax: 604-740-8982				
2P51	STEPHEN GEMMELL	WILDFIRE TECHNICIAN	236-468-3940	604-740-7668
2P53	BRETT BALDWIN	WILDFIRE ASSISTANT	604-326-3676	604-740-6073
2P50A	BRENDA HARGROVE	OPERATIONS ASSISTANT	236-468-3934	604-740-2243
V6 - SOUTH ISLAND ZONE - ZWCO/GENERAL ENQUIRIES: 250-743-1304				
COBBLE HILL FIRE BASE - IA: 250-743-7284				
2P60	DIMITRI VAISIUS	WILDFIRE OFFICER	250-737-2426	250-818-0588
2P61	DAN TAUDIN-CHABOT	WILDFIRE TECHNICIAN	250-737-2425	778-676-4618
2P62	SUSAN ELIUK	WILDFIRE TECHNICIAN	250-737-2457	250-252-1491
2P63	DAVE MOON	WILDFIRE ASSISTANT	236-570-2097	250-442-7845
2P64	RUSSELL ROBERTSON	A/WILDFIRE TECHNICIAN	-	250-701-2370
2P60A	DARREN PARCELLS	OPERATIONS ASSISTANT	250-373-2590	250-710-4711
V7 - MID ISLAND ZONE - ZWCO: 250-947-2669				
ERRINGTON FIRE BASE - General Enquiries: 250-951-4224				
2P70	JOSHUA MACY	WILDFIRE OFFICER	236-570-2093	250-442-7081
2P71	STEVE KITCHEN	WILDFIRE TECHNICIAN	778-702-1429	250-228-5541
2P73	SAMUEL (SAM) SIDDALL	A/WILDFIRE TECHNICIAN	250-736-6939	250-720-6448
2P70A	ANGELA BERGE	OPERATIONS ASSISTANT	250-947-2606	250-927-5640
PORT ALBERNI FIRE BASE - General Enquiries: 250-723-5124 / 250-723-6734				
2P72	SHAWN MCKAY	WILDFIRE TECHNICIAN	250-736-6940	250-735-1374
2P74	MAT KELLY	A/WILDFIRE ASSISTANT	250-736-6936	250-720-6111
V8 - V9 - VA - NORTH ISLAND MID COAST ZONE - ZWCO: 250-850-1667				
QUINSAM FIRE BASE - General Enquiries: 250-286-7560				
2P80	TODD FLANAGAN	WILDFIRE OFFICER	250-850-1739	250-287-6640
2P81	RAPHAEL JAMIN	WILDFIRE TECHNICIAN	250-850-1660	250-287-6750
2P82	NATE WOEHRL	A/WILDFIRE TECHNICIAN	250-302-5802	250-203-9911
2P84	OWEN ENRIGHT	WILDFIRE ASSISTANT	-	250-202-6211
2P80A	SONJA TURNBULL	OPERATIONS ASSISTANT	250-286-7560	250-201-8642
MID COAST - General Enquiries: 250-982-2001 / IA Base: 250-982-2793 / Fax: 250-982-2077				
2P87	TRAVIS FLANAGAN	A/WILDFIRE ASSISTANT	-	604-740-7031

KEY PERSONNEL - COASTAL FIRE CENTRE				
GENERAL ADMIN - PARKSVILLE - General Enquiries: 250-951-4222 / General Fax: 250-954-0823				
OPERATIONS - DISPATCH: 250-951-4201 / GENERIC E-MAIL: BCWS.COFCDispatch@gov.bc.ca				
-	RWCO - Main Line		250-947-2655	-
-	OPERATIONS - Main Line		250-947-2680	-
-	RWCO Conference - Polycom		250-947-2668	-
-	CONFERENCE ROOM (BLDG C) - OPS BRIEFING ROOM - Polycom		250-947-2667	-
2P7	ARLEN KANARY	OPERATIONS SPECIALIST	250-947-2607	250-897-8608
2P2A	MIKE KUCEY	CHAINSAW TRAINING SPECIALIST - Squamish	236-468-4046	604-815-3069
2P2B	IAIN BERGLUND	CHAINSAW TRAINING SPECIALIST - Cobble Hill	250-737-2428	250-701-3428
2D1	JADE RICHARDSON	DISPATCH SUPERVISOR	250-947-2717	250-228-0976
1P10B	MATT MACDONALD	FIRE WEATHER FORECASTER	778-686-7602	604-813-5711
Wx Tech	CHRISTINA VAN EATON	CONTRACT FORECASTER	778-755-1406	250-307-1912
AIR OPERATIONS - PRIMARY: 250-951-4220 / FAX: 250-248-4019 / GENERIC E-MAIL: BCWS.COFCAviation@gov.bc.ca				
2P4A	KEVIN COCHRANE	WILDFIRE TECHNICIAN AVIATION	250-947-2632	250-927-3150
2P23	LORNA WOLLNER	AVIATION OPERATIONS ASSISTANT	250-947-2637	250-927-4404
PLANS - PRIMARY: 250-736-6944 / GENERIC E-MAIL: BCWS.COFPlans@gov.bc.ca				
2P2C	TBC	OPERATIONS ASSISTANT	-	-
PREVENTION - GENERIC E-MAIL: BCWS.COFPrevention@gov.bc.ca				
2P6	TONY BOTICA	WILDFIRE PREVENTION OFFICER	250-947-2652	250-927-3311
2P27	JESSICA HAWKSWORTH	WILDFIRE PREVENTION OFFICER	250-736-6997	250-951-5102
2P22	ANDREW BASKERVILLE	WILDFIRE PREVENTION SPECIALIST	250-420-6289	250-735-4036
2P3A	SUNCANA (SUNNY) HOUCK	PREVENTION CLERK	250-947-2651	250-927-3046
LOGISTICS - PRIMARY: 250-951-4251 / GENERIC E-MAIL: BCWS.COFLogistics@gov.bc.ca				
2P20	JANICE SMITH	WILDFIRE ASSISTANT	250-947-2624	250-228-4496
ASSET MANAGEMENT - GENERIC E-MAIL: CofcAssets@gov.bc.ca				
2P28	JANE MCEWAN	ASSET MANAGEMENT COORDINATOR	250-947-2636	250-927-4007
2P28D	MARK PROUDFOOT	ASSET MANAGEMENT ASSISTANT - Parksville	250-947-2762	250-668-8160
2P28B	ERIKA BOGHEAN	ASSET MANAGEMENT ASSISTANT - Quinsam	250-947-2685	250-228-4287
2P28C	JAYSON WALL	ASSET MANAGEMENT ASSISTANT - Parksville	250-947-2625	250-228-0134
TBC	BRIA SPANO	ASSET MANAGEMENT ASSISTANT - Pemberton	236-468-1135	604-203-7870
SYSTEMS SUPPORT - GENERIC E-MAIL: BCWS.CoFCTechServices@gov.bc.ca				
4Y05	DEAN ANDRES	TECH SERVICES	236-936-2002	250-741-4511
INFORMATION - GENERAL ENQUIRIES: 250-951-4209 / GENERIC E-MAIL: BCWS.COFInformationOfficer@gov.bc.ca				
2P9	MARG DRYSDALE	COMMUNICATIONS SPECIALIST	250-947-2639	250-927-4637
2P9A	JULIA CARANCI	COMMUNICATIONS ASSISTANT	250-947-2628	250-951-5424
MEDIA INFO LINE - PRIMARY			250-951-4209	-
FINANCE AND ADMINISTRATION GENERIC EMAIL: BCWS.COFCCWS@gov.bc.ca, SHARED CELL: 250-927-0421				
2P21A	HEATHER THOMPSON	WILDFIRE SERVICES CLERK	250-947-2623	-
2P21B	CHARLENE HARRIS	WILDFIRE SERVICES CLERK	250-947-2736	-
2P21C	EILEEN BECK	WILDFIRE SERVICES CLERK	250-947-2620	-
2P21E	ERWIN PATRON	A/WILDFIRE SERVICES ADMINISTRATOR	250-947-2732	-
PROCUREMENT & CONTRACTS - GENERIC E-MAIL: BCWS.COFProcurement@gov.bc.ca				
2P21D	LUNDA ASHBY	A/PROCUREMENT CLERK	250-947-2712	-
RECORDS - GENERIC E-MAIL: BCWS.COFRecords@gov.bc.ca				
2P25	SHARON DERKSEN	WILDFIRE RECORDS CLERK	250-947-2649	-

*DENOTES PERSONAL CELL

NWB CREW ERP

These procedures are supplemental to the EPRP and provide specific information for the NWB crew.

MEDICAL EMERGENCY PROCEDURES

- WorkSafe BC regulations require safety equipment to be on-site at all times and checked regularly. Report and correct deficiencies promptly (including re-stocking following an incident response).
- Mosaic/ Island will sponsor employees to obtain and maintain their First Aid endorsements as required by the Company.
- The First Aid Attendant (FAA) shall be responsible for maintaining any and all first aid equipment (kits, ambulance, and first aid room) which fall within his/her direct control.

Table 1: Equipment Requirements – High Risk >20 minutes:

# Workers	Equipment	FA Level	Transport
1	Personal kit	-	-
2-5	Level 1 kit	Level 1	-
6-10	Level 1 kit	Level 1 w/ Transport	ETV
11-30	Level 3 kit, dressing station	Level 3	
31-50	Level 3 kit First Aid Room		2 x Level 3
51-200			
≥ 201			

- For specific First Aid requirements for low or moderate risk activities and alternate distances to hospitals, as well as recommended First Aid Kit content requirements, refer to the [Occupational Health and Safety Regulation](#) & Guidelines (Part 3).

Medical Emergency Response

- 1. ENSURE SAFETY**
 - a) Ensure the safety of yourself/ others. Stay calm and assess the situation!
 - b) The emergency “Stop All Work” signal is to wave your arms up and down (from your head to your sides).
 - c) In the event of machine accident, turn off ignition sources and attempt to safely remove yourself (if can’t get out, start Emergency Radio Procedures to contact help) If safe, ensure lock-out/ tag-out.
 - d) Determine quickest/ safest route to accident site.
 - e) Evaluate hazards, do not approach the patient until danger has been cleared (e.g., powerlines, potential rolling or falling debris, fall hazard, etc.).
 - f) **Gas Line incidents** – shut down machine and evacuate to at least 200m away (upwind).
 - g) **Power Line Incidents** – assume all power lines are “live”. Cease work and stay where you are if possible. All workers should stay at least 15m away from anything in contact with the line or pole. If you have to move out of the area or machine for safety reasons such as fire, move with both feet together and “shuffle step” or hop with feet together.
- 2. OBTAIN INFORMATION** on nature and extent of injury, type of transportation required.
- 3. NOTIFY OTHER PERSONNEL/ FAA;** follow **EMERGENCY RADIO PROCEDURES**
 - a) Ensure the radio is on the NWB Direct (or Repeater if required) channel. Speak slowly and clearly.
 - b) Repeat twice “***This is an emergency, requesting radio silence***”.
 - c) Continue contacting the designated FAA. For personnel working in NWB on the channel, state “***calling Warehouse First Aid***”. Communicate incident details to the FAA:
 - Your location
 - Number of injured personnel (*do not use names*)
 - Nature of the injuries
 - Any special equipment required (e.g., helicopter, airbags, billy pugh, etc.)
 - d) If you do not receive any reply, repeat steps A-C on the Repeater channel.
 - e) Once contact is made, if possible, assign one worker to standby the radio and identify the standby to the FAA. Return to the injured worker.
- 4. CONTROL** - Take control of the situation, do not move the patient unless immediate danger or instructed by the FAA.
- 5. SEEK ADDITIONAL HELP** - Contact additional crew/ Supervisor as required; follow Emergency Radio Procedures.
- 6. Administer FIRST AID** consistent with level of training until Level 3 FAA arrives to direct; support FAA. In event of serious injury or fatality, secure the scene.
- 7. In the event that evacuation is required, follow the direction of the designated FAA, ensure any other activity in the area is notified (e.g., blasting).**

General Procedures

- In the event of an earthquake, tsunami, landslide, avalanche, wind storm, blizzard, flood, bomb threat, or other incident requiring evacuation, the Supervisor will contact personnel and provide instructions/information.
- When working in remote locations, (e.g., heli) a survival pack containing emergency gear is recommended (survival blankets, matches/lighter, candles, flashlights, extra batteries, etc.)
- All injuries, accidents or significant close calls must be reported to the Supervisor immediately
- All injuries must be reported to the FAA immediately
- Personnel directing medical evacuation must be sufficiently certified (e.g., Level 3, or Level 1 with Transportation Endorsement).
- Ensure workers assisting in evacuation are aware of safe procedures for working around helicopters.
- In the event of incidents involving members of the public, demonstrations or other media events, do not get involved in a confrontation. Contact the Supervisor and follow direction.

Emergency Contacts

Note – when making outside calls from an office location, confirm the specific instructions for the location for reaching an outside line (e.g., all numbers preceded by “9” or “6”).

Medical Incident	Ambulance, Police, Fire	911	
	TEAMs (Heli-Evac)	1-604-229-6757	
	NWB Warehouse First Aid Dave Oman (day) Shop Mechanic (afternoon)	250-468-6819	c. 250-713-8437
	Provincial Air Ambulance	911	1-800-561-8011 (general inquiry)
	Marine & Aircraft Distress	1-800-567-5111	*311 from cell
	Poison Control Center	1-800-567-8911	
	WorkSafe BC – Emergency Reporting	1-888-621-7233	1-866-922-4357 (after hours)
Manager, Harvest	Sam Stanko	o. 250-468-6832	c. 250-954-9990
Manager, General	Kevin Ashfield	o. 250-468-6834	c. 250-927-1197
Supervisor, Production	Mark Bowater		c. 250-730-6424
Chargehand, Y&L	Mazio Battistuz		c. 250-954-8456
Chargehand, Hauling	Dave Bortolotto		c. 250-248-0947
Chargehand, DLS	Don Smith		c. 250-248-047
Chargehand, Shop	Dave McInnes	o. 250-468-6852	
Manager, Maintenance	Ben Lattanzi	o. 250-468-6846	c. 250-755-5611
West Coast Helicopter	Dispatch Campbell River (machine in Nanaimo) – long line not available	Alissa Patrick	250-898-1242
Ascent Helicopters	Parkville (advise if hoisting needed)		250-586-5454 (24hrs)
Electrical Line Contact	BC Hydro	911	
Gas Line Contact	Fortis BC	1-800-663-9911	

For a complete list of emergency contacts, refer to EPRP Appendix 1.

Medical Evacuation Procedures

- In the event that helicopter evacuation is required, TEAAMs is the first point of contact.



8 LINE MEDEVAC REQUEST FORM

1. Location of Scene (GPS Coordinates and recognized geographical features).
2. Radio frequency / Call Sign / Phone number of patient or person on scene.
3. Number of patients and injury/illness(chief complaint).
4. Age and *weight* of Patient(s).
5. Special equipment and personnel required. (Hoist / Longline / Auto Ex / Mountain Guide/Marine/Swiftwater)
6. Other responders responding to scene. (En Route / On Scene) and other aircraft operating in the area.
7. Method of marking scene. (Colour of clothing / Smoke / Lights / Strobes / Pyrotechnics / Panels etc)
8. Known hazards. (Cable Logging / Blasting / Towers / Power lines / Drones / Danger trees)

1-604-229-6757

Emergency Only

Non Emergency, Call (604) 849-0713

- Personnel directing medical evacuation must be sufficiently certified (e.g., Level 3, or Level 1 with Transportation Endorsement). Ensure all workers assisting are aware of safety concerns and procedures for working around helicopters (including but not limited to, the following):
 - Do not approach a helicopter until you receive visual confirmation from the pilot.
 - Never approach a helicopter from the rear or from an up-hill location (i.e., approach from the side).
 - Be aware of flying debris/ dust and high winds from rotor wash if the helicopter is not going to shut down; protect the patient.
 - Do not slam doors. Be cautious when wearing caulk boots, avoid stepping on skids if possible.
 - If workers are not familiar with safe procedures around helicopters, shut down the helicopter and attend a safety briefing with the pilot.

FAA/ Supervisor

1. Determine the mode of transportation, depending on the severity of the injury and constraints to the location.
2. Call and make arrangements for transport; prepare helicopter landing site (including clearing debris) or clear evacuation trail. Instruct Dispatcher/ pilot if a Billy Pugh Rescue and/or a line longer than 40 feet is required. Establish communication method with pilot for further directions (e.g., radio channel, cell phone, etc.). Request Estimated Time of Arrival (ETA). Mosaic FAAs refer to the NWB Medical Emergency Response Field Card and document initial communications.
3. Situate your ambulance so it will not interfere with the landing of the helicopter. Stay clear and watch for flying debris - especially for your patient (e.g., no loose blankets, etc.).
4. Notify the hospital that an injured worker is being transported (and where applicable, also notify the ambulance of the point of arrival); give the ETA, number of patients, brief description of the injury and your contact information.
5. Reassure the patient about the noise and movement before moving toward the helicopter.
6. Arrange backup FAA to cover for the responding Attendant.

FALL FROM HEIGHT RESCUE PROCEDURES

- Prior to working from heights (>3m; 10ft), a documented site-specific work and rescue plan must be completed.
- When a person working from heights falls it is important to rescue them as promptly as possible as they may have injured themselves prior to the fall and may need medical attention, people suspended for long periods may suffer blood pooling in the lower body, suspended workers may panic if not rescued quickly and the event that led to the fall may create additional risks that need to be addressed.
- Mosaic/ Island does not conduct work where fall arrest PPE is required. Only fall restraint PPE is used by Maintenance/ shop personnel. All booms are lowered prior to conducting maintenance/ repairs. When working from heights is required, platforms or buckets are utilized (ladders may be used for quick jobs, utilizing appropriate fall restraint).
- Where work is conducted that required fall arrest PPE, a third-party service provider that is trained in the use of fall arrest procedures will be retained.
- The following general rescue procedures are provided in the event that a fallen worker wearing fall restraint PPE is not able to rescue themselves.

1. Workers involved in rescue must be trained in the proper use of fall restraint equipment.
2. Workers involved must have appropriate PPE and anchors in place.
3. If the fallen worker is not conscious, then two rescuers will likely be required.
4. To complete rescue with a platform or bucket, ensure safe location of the worker and disconnect their lanyard when safe to do so. Lower the worker to the platform and re-attach their lanyard to an appropriate anchor point
5. If a worker is suspended near a work area and can be safely reached from the floor below or the area from which they fell, attach a second line to the fallen workers harness to guide the fallen worker to a safe area. Ensure all rescuers have appropriate fall protection in place. Additional workers may be required to help guide the fallen worker or lift them from below when rescuing from above.
6. Maintain communication between operator and rescuers at all times.
7. Once the fallen worker is in a safe location, implement Medical Response Procedures.

CONFINED SPACE RESCUE PROCEDURES

- All confined spaces will be assumed to be immediately dangerous to life and health unless proven otherwise.
- Only specially trained personnel may enter into Confined Spaces.
- Confined Spaces with planned or potential entry must be secured and/ or identified with signage at each point of entry to indicate the hazard and prohibit entry of unauthorized workers.
- The following general rescue procedures apply for low and moderate hazard areas. In most cases, a third-party service provider that specializes in confined space work will be used for high or extreme hazard areas.
 1. No person must enter a confined space unless they are properly trained, including all rescue personnel (and training in the proper use of rescue equipment).
 2. PPE - A self-contained breathing apparatus, or air supplied respirator with escape bottle, must be used during rescue operations in an unknown or Immediately Dangerous to Life or Health-IDLH (i.e., containing a substance that is at a concentration that is immediately dangerous to life or health) atmosphere.
 3. Assess hazards and risks prior to entry.
 4. If rescue cannot be effected by the standby person(s) using harnesses, lifelines and lifting equipment, then one or more additional workers must be stationed at the entrance to the confined space and these workers must be equipped and capable of entering the space and effecting rescue.
 5. Rescue personnel must monitor any signaling system that will be used to summon the rescue persons in the event of an emergency whenever they have been informed by the responsible supervisor or the standby person that a confined space entry is in progress.
 6. Maintain effective voice communication between rescue personnel and the designated Supervisor.
- Refer to the H&S Confined Spaces SOP for additional procedures.

WATER EVACUATION PROCEDURES

- Ensure appropriate PPE before water rescue (e.g., life jacket, caulk boots on boom)
- Boom Shacks must contain a designated life jacket for FAA use
- All docks/ floats must have a ladder (every 100 feet) and life ring or other suitable flotation device available (every 165 feet)
- The NWB DLS & Boom has a Basket Stretcher with an attached flotation (includes spine board and complete R.T.C. package) located on the float, in the metal shed with the oil spill boom

Response Actions

- If use of boat is required for water rescue, a tugboat is preferred.
- General rescue procedures are as follows (refer to site specific procedures where applicable).
 1. If self-rescue is not self-evident; immediately respond to the worker in the water
 2. Notify FAA and Supervisor to initiate Medical Emergency Response Procedures (refer to EPRP)
 3. If necessary, patient should be packed on tug deck or wharf, dependant on circumstances and FAA's assessments
 4. Extraction of worker from water should be done gently and efficiently (helping hands) and put in horizontal positioning on boat. Head boom man and FAA to direct rescue and evacuation
 5. Near-drowning and hypothermic patients need immediate medical attention
 6. Radio contact should be made immediately with the Dryland Supervisor or the Chargehand (they typically have access to telephones)
 7. The person who has been contacted must be sure of several things:
 8. Contact the FAA on duty and Supervisor
 9. Under the direction of the FAA, fetch first aid equipment, designate an individual to contact the Provincial Ambulance Service and hospital
 10. If the patient has been removed from the water and is not on shore, (i.e., on the Swifter Machine or on a Boom), a Boom Boat Operator must be designated by the Head Boom Man to fetch the FAA and the equipment
 11. It is important that the patient not be moved after the initial water rescue in case of a spinal injury/ fracture; use basket stretcher where possible. There may be circumstances in which the patient may be a long distance away from the stretcher and it would not be feasible to leave him/her in the water for a long period of time. (i.e., patient unconscious)
 12. Once the patient has been properly packaged, the FAA and the patient will return to the dock on the tug. Once on the dock the Patient care will be transferred to the Provincial Ambulance Service.

OPERATOR EXTRACTION FROM A ROLLOVER

- Wear proper PPE (Caulked Boots, Eye Protection, Gloves, Hard Hat, Hi-Vis).
- Notify Warehouse First Aid of Nature and Location of Emergency (Be Specific, Road, Spur, Falling Corner etc.).
- Delegate someone to arrange first aid equipment, transportation, helicopter, special tools or anything else required.

Response Actions – Caterpillar Swing Machinery (Log Loaders, Processors and Excavators)

- Assess the situation and ensure it is safe before approaching the machine. Look to see that it is stable, there is no fire or potential for fire and that you will not be in contact with other hazards such as hot hydraulic oil or fuel.
- If the machine is running, there is an emergency stop switch in the compartment behind the cab riser. Turn off if accessible.
- Look through windows to determine the location of the operator in the cab.
- Attempt to open the operator's cab door. If pulling it uphill, get assistance these doors are very heavy when not balanced on hinges.
- If attempts to open the cab door aren't effective, look to the roof of the operator's cab. There is an egress hatch there. Remove the hold down hardware and pull the hatch open.
- If unable to open cab door and roof escape hatch arrange assistance from the shop to remove windows or doors to gain entry.
- Turn the ignition switch off once entry is gained if attempts to access the emergency shut down were unsuccessful.
- Get assistance when releasing the operator from their seatbelt, particularly if they are unconscious.
- Make every attempt to follow First Aid Protocols while moving patient quickly away to a safe location for further examination and treatment.

Response Actions – John Deere Skidder, Caterpillar Dozers, Trucks

- Assess the situation and ensure it is safe before approaching the machine. Look to see that it is stable, there is no fire or potential for fire and that you will not be in contact with other hazards such as hot hydraulic oil or fuel.
- Look through windows to determine the location of the operator in the cab.
- Attempt to open the operator's cab door. If pulling it uphill, get assistance these doors are very heavy when not balanced on hinges.
- If unable to open cab door arrange assistance from the shop to remove windows or doors to gain entry.
- Turn ignition switch off if machine is still running.
- Get assistance when releasing the operator from their seatbelt, particularly if they are unconscious.
- Make every attempt to follow First Aid Protocols while moving patient quickly away to a safe location for further examination and treatment.

EQUIPMENT ROLLOVER INCIDENT AT NIGHT

- Contact NWB shop and give them your exact location, nature of any injuries, special equipment required (spill kits, fire equipment, extraction kit, special tools etc.)
- The shop crew will respond with Level 3 First Aid and the remaining crew members to assist. Call on other members of the Y&L crew to assist. Alternatively, have the shop chargehand coordinate additional personnel.
- The shop chargehand or a designated person will remain at the Warehouse to coordinate BC Ambulance, additional crew personnel and any other response required.
- **Summon as much assistance as available, too many hands are better than too few.**
 - The shop chargehand will contact the BC Ambulance as required and then notify Mosaic Management. The call order is as follows:
 - 1) Mark Bowater (250) 730-6424
 - 2) Ben Lattanzi (250) 755-5611
 - 3) Sam Stanko (250) 954-9990
 - 4) Kevin Ashfield (250) 927-1197
- Use extra caution, ensure adequate light is available hazards may be hidden in the darkness. Other machinery may be moved in by a qualified operator to assist in lighting the area.
- **Do not endanger yourself or others in the process of extracting the operator.**
- Follow procedures for extracting an operator from a rolled piece of equipment above.

EXPORT FACILITIES ERP

The following procedures are supplemental to the EPRP and provide specific emergency response information for the Export Facilities.

Site specific evacuation and water rescue procedures for SILF are under development.

WATER RESCUE PROCEDURES – ISLAND TERMINALS

- During land loading and workers are on deck (i.e., railings are off):
 - A stand-by Dozer Boat and Operator must be in place (JPM) at the designated location on the JPM wharf.
 - The Boom Shack must have VHF 6 and China Creek channel available.
 - 2 rescue assistants must be designated for each shift (MSS).
- If use of boat is required for water rescue, a Dozer Boat is preferred. Boat to be equipped with ladder (or alternative rescue device), life ring and light.
- Ensure appropriate PPE before water rescue: life jacket/ PFD; CSA approved safety boots (6" ankle support); caulk boots or strap on (when on boom or icy conditions) JPM Operator will communicate to MSS if caulks are required; CSA Hard hat; Gloves
- Ensure effective communication at all times (i.e., radio, hand signals, eye contact, etc.)
- Boom Shacks must contain designated life jackets for Rescue Assistants and FAA use.

Emergency Response Actions – Water Rescue
<ul style="list-style-type: none"> • Upon receipt of a call for water rescue assistance, implement the following procedures. <p><u>Water Load/ Final Lashing at Night (JPM & Longshoreman)</u></p> <ul style="list-style-type: none"> • Communicate with TT Supervisor regarding specific location of worker (where witness was present). • Dozer Boat and designated Rescue Assistants (Longshoreman) to retrieve the worker from the water and transport to JPM dock. • Communicate the patient condition to TT FAA and Supervisor. If injured, TT will initiate Medical Emergency Response Procedures. • TT FAA designates person to call 911 if required. <p><u>Land Load and On Deck (JPM & MSS)</u></p> <ul style="list-style-type: none"> • Communicate with TT Supervisor regarding specific location of worker (where witness was present). • Dozer Boat and designated Rescue Assistants (MSS) to retrieve the worker from the water and transport to JPM dock. • Communicate the patient condition to TT FAA and Supervisor. If injured, TT will initiate Medical Emergency Response Procedures. • TT FAA designates person to call 911 if required.

– JPM – Joan Pt. Marine; MSS – Mt. Sicker Services; TT – Tidal Transport

Follow Up Reports

- Refer to the Tidal Transport (TT) and Mosaic Medical Emergency Response procedures and reporting requirements as applicable.

SITE EVACUATION PLAN – ISLAND TERMINALS

Designated Prime contractors on site maintain and follow their own emergency response procedures, however where an incident affects the entire site or requires a coordinated response, the following site evacuation procedures will take precedence.

***If you arrive on site and gates are locked, access has been blocked due to an off-hours emergency.**

Emergency Response Actions - Site Evacuation

Harmac Signal/ Alarm: Full Evacuation: Fire Siren and steam whistle 5 sec on/ 5 sec off (10 minutes)

On-Site Signal/ alarm: Phone call, radio communication, machine horn, etc.

Assume all Harmac Full Evac (Steam Whistle) alarms are a chemical spill/ leak.

- Crews

- Proceed to designated muster station on foot
- MSS FAA drives ETV to muster station
- Put on face masks (one distributed), for chlorine/ chemical leaks
- Wait for direction from the IC and/ or Supervisors

- Supervisors

- Switch radios to MSS Channel
- If Ship Interface and longshore crew working, TT notifies ship Captain.
- Select Muster Station based on wind direction, notify crew. JPM if choose evac by boat, notify IC.
- Grab Evac Kits (masks), radio and cell phone, proceed to muster station.
- Assist/ communicate with visitors under your Supervision on site
- Conduct roll call and ensures all workers (inc. truck drivers) & visitors are present
- Notify IC of confirmed roll call total
- Wait for direction from the IC

- Mosaic Staff

- Grab cell phone and portable radio, turn to MSS Channel
- Gather all staff and visitors, put on hi-vis vests, hard hats, face masks
- Select safe muster station (based on wind direction or IC instruction). Proceed to muster.
- Notify IC of confirmed roll call total
- Wait for direction from the IC

Roles & Responsibilities

Security Guard

- Put on face mask for chlorine/ chemical leaks
- Notify Ship Captain of site evacuation if requested by IC
- Open both gates (via Entrypass) and put up cones to block traffic.
- For tsunami, cut all power to site.
- Turn on radio and ensure on Harmac/ NFP channel. Relay any details to the IC.
- Determine if Guard Shack is safe (wind direction). If not, proceed to intersection Phoenix Way and Industrial Park Road, with cell phone, ISL TERM and Ship radios, Security Log and gas masks. Notify IC.
- Notify IC if helper is needed
- Maintain communications with Ship when TT is not on site and relay to IC as needed. If there are any communication issues, relay to the IC.
- Tally number of people on site (Security Log & Print Muster Report) and relay to IC. #
- Provide direction and liase with emergency services/ agencies and IC as needed.
- Once crews are safely at Muster or Evac sites, implement MARSEC changes, if applicable & notification is received.

Incident Commander (IC)

MSS Supervisor

For Harmac Full Site Evacuation [steam whistle], assume chemical leak/ spill.

- Announce situation on radio-all channels, request radio silence. Ensure Supervisors confirm receipt:
 - JPM MSS (includes Arete) TT Security Guard Mosaic
- If Ship in, and no longshore crew working, ask Guard to notify Captain.
- Determine safest muster station for MSS crew and communicate (note wind direction)
- Ensure FAA gets EVT and drives to muster
- Distribute face masks once ETV arrives, ensure everyone puts on
- If required, send helper up to Main Gate to assist Guard.
- Request confirmation of roll call from Supervisors; confirm with total from Guard

MSS (& Arete):	Muster ID _____	#	_____
JPM:	Muster ID _____	#	_____
TT:	Muster ID _____	#	_____
Ship Crew:	Muster ID _____	#	_____
Mosaic:	Muster ID _____	#	_____
Security	Muster ID _____	#	_____
Total # of People			
Total # of People on Site – Relayed from Security:			

- Oversee evacuation of all workers (Supervisors will assist)
- Notify the Mosaic Manager if not on site.
- For emergencies affecting Harmac, call: **Steam Plant Shift Eng. (Control Rm) 250-722-4440 (24hr)**
- Continue to communicate with Supervisors, Mosaic and external parties as required.
- Where applicable and where safe to do so, move equipment and vehicles to safe locations.
- Issue all clear when it is safe to return to work or to exit the work sites.

Incident Commander Delegation

Upon notification of an event requiring site evacuation, the following list will be used to designate the Incident Commander responsibility based on whom may be on site at any given time (per the list maintained at the guard shack).

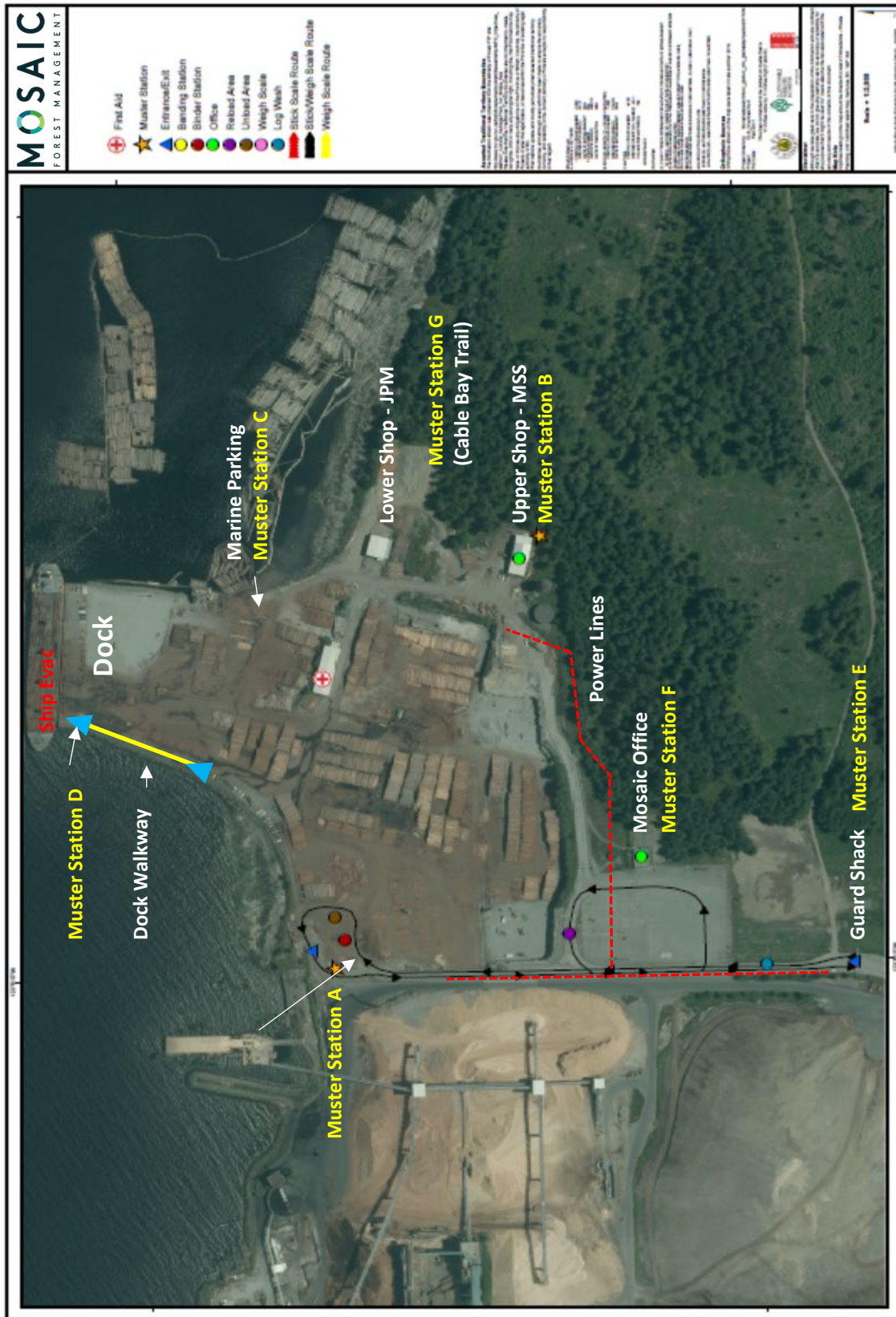
If unable to reach a person on this list, move to the next person on the list. The person contacted assumes responsibility but may re-delegate another representative as appropriate.

This is also the Contact list that Harmac maintains in their EPRP for making the initial call to Island Terminals. They will follow this same priority order of contact but will stop calls once they have successful contact.

1	Andrew Roe (Mt. Sicker)	250-710-7255	andrew@mountsicker.com
2	Darryl Slater (Mosaic)	c. 250-668-0753	darryl.slater@mosaicforests.com
3	Dave Skarbo (Mosaic)	c. 250-714-4622	dave.skarbo@mosaicforests.com
4	Gord Lennox (Joan Point)	250-897-2265	gord@joanpt.com
5	Security Guard	Guard shack. 250-713-0681 c. 250-616-7977 24hr. 1-800-665-8404 o. 250-753-6944	gatesecurity@mosaicforests.com debbie.shea@footprintssecurity.com
6	Lorne Bury (Tidal Transport)	250-618-2785	bury@tidaltransport.com
	Mt. Sicker Radio Frequency	172.230 MHZ, 91.5 tone	
Alternate Emergency Contacts			
	Craig Frederickson (Mt. Sicker) craig@mountsicker.com	250-709-5046 (c) 250-746-1918 (o)	
	Bob Wilson (Joan Point Marine) bob@joanpt.com	250-252-1001 (c) 250-246-1100 (o)	
	Paul Gallant (Tidal Transport) gallant@tidaltransport.com	604-788-9603	
	Mike Wilson (Senior Manager Supply Chain)	604-970-0718 (c)	
	Digger Pond (VP Operations)	250-714-8582 (c)	

*For a full list of emergency contacts, refer to the EPRP Appendix 1.

Muster Stations



Additional Evacuation Information

Incidents that may require Site Evacuation:	
Transport Canada National Situation Centre must be notified of all Site Evacuations (refer to Contacts).	
Bomb Threat	<ul style="list-style-type: none"> – In the event of a bomb threat, the Island Terminals Security Plan procedures will be implemented (Security Incident Form). The Site Evacuation plan will also be initiated where deemed necessary. – Workers may be permitted to leave the work site by their Supervisors, provided attendance has been documented to confirm all workers have been safely evacuated.
Fire or Explosion	<ul style="list-style-type: none"> – Site evacuation will only generally be required for significant fires involving risk of explosion or electrical emergencies. – Where sufficient time permits, move key equipment into safe locations. – Re-entry is not permitted until cleared by the fire department and a structural assessment has been completed (where impacted). – Workers may be permitted to leave the work site by their Supervisors, provided attendance has been documented to confirm all workers have been safely evacuated.
Chemical Spill <i>(adjacent sites)</i>	<ul style="list-style-type: none"> – Harmac –on-site sirens & steam whistle will sound. Harmac also broadcasts information on their radio channel. Mosaic may also receive a phone call notification from Harmac. For all Full Site Evacuation Alarms (steam whistle) – Island Terminals will assume a chemical spill/ leak to guide Muster and Evacuation response until such time that we receive clear communication from Harmac. – Respirators - Mosaic has provided model 7092 respirators for H2S and chlorine spills (placed within Evacuation Kits for each Prime Contractor, the Guard Shack and Office). <ul style="list-style-type: none"> ○ Note that these are not sufficient for an ammonia spill (Harmac has ammonia). Model 7904 is needed for ammonia. ○ Note that the respirators do not have an expiry date, but they must be stored in a dry location and be periodically inspected for general condition/ wear/ tear. ○ After use in an actual emergency (after chemical spill), the masks can no longer be used. – Re-entry is not permitted until cleared by the Harmac personnel. – Workers may be permitted to leave the work site by their Supervisors, provided attendance has been documented to confirm all workers have been safely evacuated.
Extreme Natural Event <i>(e.g., earthquake, tsunami)</i>	<ul style="list-style-type: none"> – The Island Terminals site is located at approximately 22.5m above sea level. – Follow directions of local authorities (usually the fire department initiates community response plan and communicates EMBC warnings). – Where sufficient time permits, move key equipment into safe locations. – Do not allow re-entry until cleared by local authorities and a structural assessment has been completed (where impacted). – Workers may be permitted to leave the work site by their Supervisors, provided attendance has been documented to confirm all workers have been safely evacuated.

Serious Incident Procedures (Mosaic)

In the event of any serious incident (e.g., level 1 and 2), Mosaic may have a role to play in participation in, or notifications to the Mosaic Executive Team, and/ or external agencies, after initial response actions by Prime Contractors are complete.

Incident Type	Mosaic Procedures
General Communication	<ul style="list-style-type: none"> – Liaise with outside authorities. Record/obtain documents of all witness statements, outside agencies observations, comments, tests, results, measurements and photos. – Request the investigator to delay interviewing employer witnesses until the arrival of senior management/ legal counsel (they are not required to wait).
Major Safety Incident or Fatality	<ul style="list-style-type: none"> – Secure the accident site (do not disturb) and ensure no names are released – Notify other contractors at the work site to stop work (via radio) – Contact WorkSafeBC 1-888-621-7233 – For fatality, notify RCMP (911), if not on site
Electrical Contact	<ul style="list-style-type: none"> – Ensure no one exits machine or approaches downed lines or electrical transformers (min 10ft) – Call BC Hydro 1-800-769-3766
Security Breach	<ul style="list-style-type: none"> – Contact 911 – Contact Guards 250-713-0681 (Front Gate); 250-754-1042 (Regional Office) – Contact Nanaimo Port Authority 250-753-4146; 778-762-3443 (Emergency Pager)
Water Rescue	<ul style="list-style-type: none"> – Contact Coast Guard Marine 16, if assistance is required
Large Spill/Spill to Water	<ul style="list-style-type: none"> – Reportable Spill (see Common SOP) contact EMBC 1-800-663-3456 – Spill to water contact Nanaimo Port Authority 250-753-4146; 778-762-3443 (Emergency Pager) – Spill clean up assistance WCMRC 604-294-9116

Key Contacts

Adjacent Sites		
Harmac	Steam Plant Shift Engineer (Control Room) Alternate - Craig Mickleborough (Prod. Sup. & MFSSO)	250-722-4440 (24hr) 250-755-9667
City of Nanaimo		
Emergency Program Manager	Karen Lindsay	250-713-7708 (24hr) 250-753-7311 (Alt.) Karen.Lindsay@nanaimo.ca
Emergency Call Alert System	Register to receive alerts (phone/e-mail) Get current information about alerts	To sign up for Voyent Alert! Please visit www.nanaimo.ca/goto/alerts or download the free Voyent Alert! App.
Transport Canada		
National Situation Centre (24/7) – Must notify of any Site Evacuation		1-888-857-4003 SITCEN@tc.gc.ca

LOG SPILL PROCEDURES

When dealing with a log spill maintaining the safety of first responders will be the first priority. Responders are not to put themselves in danger or risk of injury.

Emergency Reporting

On receiving notification or discovering that a log spill involving Mosaic Forest Management logs has occurred:

1. Obtain salient details:
 - a. Date, time, location, C/O
 - b. Boom name(s) or logs involved
 - c. Action being taken, by whom?
 - i. **The person who is the first responder for Mosaic is tasked with alerting the appropriate Mosaic staff members that can assist (Quality control, etc.)**
 - d. Estimated volume involved
 - e. If unscaled wood is involved, notification to MoF to be done by Scaling Manager
2. If not already done, inform the Mosaic Forest Management Log Spill contact for the area as per attached list.
3. If present at log spill site, take pictures and/or record observations on paper. This documentation will be useful if an insurance claim is filed.

Emergency Response Actions

The Mosaic Forest Management Log Spill contact is responsible for ensuring that the following appropriate action is taken to contain the log spill and limit log losses.

1. Initiating log recovery if not already done so.
2. If there is a hazard to marine navigation contacting the **Canadian Coast Guard Marine Communications and Traffic Services at 250-339-5483** and advising of the log spill.
3. If there is a hazard to marine navigation in the Fraser River area contact the **Port of Vancouver Incident report line: 604-665-9086**
4. Informing the Scaling Manager (The Scaling Manager is responsible for identifying, reconciling, and reporting the log loss if any).
5. For log spills where there is a threat of log theft occurring sending an email to the MoF requesting a log salvage area closure. Request for closure is to be sent to salvage.closures@gmail.com which is monitored by MOF regional pricing staff during week day normal working hours only.
6. Go to <https://sites.google.com/site/logsalvageclosures/> to get information on how to request a log closure using email.

LOG SPILL EMERGENCY CONTACTS

For a full list of Mosaic Emergency Contacts, refer to EPRP Appendix 1.

Mosaic Contacts			
Booms in Storage or Under Tow: Fraser River, Chemainus River, Nanaimo, Howe Sound, Gowlland Harbour, Valdes; and Port Alberni Sorts & Tie Ups			
Karen Kurucz		250-755-3541 (o)	604-240-7267 (c)
Shoal Island & Chemainus Sort & Tie Ups		Bonanza Sort & Tie ups	
Kraig Urbanoski 250-755-9832		James Aitken 250-203-0835	
Northwest Bay Sort & Tie Ups		NILS	
Don Smith 250-248-0947		Kraig Urbanoski 250-755-9832	
Jackson Bay Sort, Gowlland Sort, Hardwicke & Tie Ups		Alternate for the North Island	
Aaron Racher 250-203-5183 (c)		Aaron Racher 250-203-5183 (c)	
Tow Boat Contacts			
For assistance with a log spill the following tow boat companies are the initial contacts			
<u>North Island Log Sort Area</u>		<u>Shoal Island / Ladysmith Area</u>	
Tug Boat		Tug Boat	
Gowlland Towing Office	250-286-3034 (o)	Gowlland Towing Office	250-286-3034 (o)
Gowlland Towing (Danny Peel)	250-927-4222 (c)	Gowlland Towing (Danny Peel)	250-927-4222 (c)
Gowlland Towing (Devin)	250-287-0788 (c)	Gowlland Towing (Devin)	250-287-0788 (c)
Log Salvage		<u>Port Alberni Area</u>	
Dick Sumner	250-286-3309 (h) 250-287-6106 (c)	Tug Boat	
		Pacific Towing (Trish Moss)	250-723-5602 (o) 250-720-9408 (o)
<u>Johnstone Strait Area</u>		<u>Gabriola / Nanaimo Area</u>	
Tug Boat		Tug Boat	
Pacific Cachalot Office	250-287-2750 (o)	Jones Marine	250-250-1100 (o)
Pacific Cachalot (Jason)	250-287-6991 (c)	Joan Point (Gord Lennox)	250-897-2265 (c)
Log Salvage		Log Salvage	
Dick Sumner	250-286-3309 (h) 250-287-6106 (c)	John Naylor	250-755-9394 (c)
<u>Fraser River Log Salvage</u>		<u>Other Log Towing Companies</u>	
Eric Bachen	604-230-3919 (c)	Alert Bay Towing (North Island)	250-974-8016 (o)
Hodder Tugboat	604-273-2821 (o)	Jarl Towing (North Island)	250-923-5227 (o)
Jerry Petrunia	604-377-8996 (c)	Active Marine (Howe Sound)	604-212-0066 (c)
Quadrant Towing	604-521-1714 x2 (o)	Rapid Towing (Gabriola / Nanaimo)	250-619-3791 (c)

REQUESTS FOR CLOSURES - ADDITIONAL INFORMATION

Requests for closures by log owners or their duly authorized agents are to be made to salvage.closures@gmail.com. This email site is monitored during normal business hours of 8:30-16:30 Monday to Friday by the West Coast Regional office in Nanaimo of the MoF.

1. For instructions for making closure requests and maps see below. To see which closures are published, can go to <http://sites.google.com/site/logsalvageclosures/home>;
2. For more information, the contact for log spill closures is:
Regional Scaling Specialist, MoF
<https://www2.gov.bc.ca/gov/content/industry/forestry/managing-our-forest-resources/ministry-of-forests-lands-and-natural-resource-operations-region-district-contacts>

Instructions for requesting closures

Upon discovery that logs have gone astray the log owner or their duly authorized agent must:

- Identify the area where the logs are currently located and the area where those logs may be expected to disperse (given consideration to wind and tide conditions);
- If logs pose a navigational hazard to marine traffic advise the Coast Guard (see instructions at: [Canadian Coast Guard – Marine Safety](#));
- Use standard maps to identify points of reference that will close off the entire area affected (see [GeoBC](#) link here for available data or below for web-based mapping tools);
- Write out the reference points and instructions to create a polygon around the area to be closed;
- Estimate the volume of logs/timber involved and identify the timber marks or brands involved;
- Estimate the time when recovery will commence and the expected time required to complete the recovery;
- Provide the name & contact information for the person in charge of the cleanup/recovery operation;
- Record the above information in an email message and send the message to salvage.closures@gmail.com;
- Attach a map of the area proposed for the closure to the email (see below for instructions);
- All requests will be monitored during the normal business hours of 8:30-16:30 Monday to Friday by the West Coast Regional office in Nanaimo, MoF
- Closure orders, once made, will be published at this site as soon as practical;
- At the time orders are published the requestor will be emailed a response to link to the published closure order (contacts for the Coast Guard will be copied in that email).

Instructions for making maps

1. Go to <https://www2.gov.bc.ca/gov/content/data/geographic-data-services/web-based-mapping/imapbc>
2. Using the “zoom in” magnifier button, mouse click on one corner of map area you want, drag to opposite corner, and release mouse button. Repeat if necessary for more detail.
3. If you need a marking tool, for example to draw a line across a body of water or to add text, then go to “Toolsets” at top of screen. Click on “Markup” on the right hand side of screen. The draw line tool is the easiest to use.
4. Select the markup tool from toolbar provided, and add text or linework as needed to your map. Note that mark-ups can be adjusted for line color, weight, shading, etc. Make sure you click the OK button to save your markup.
5. When map is ready to save, mouse click on printer button located just under “Layers” at top of screen and make template and scale settings as desired. You may wish to select “include lat/long graticules” selection, which will provide latitudinal and longitudinal lines on your map.
6. Click on the "Open Map" link to create a pdf version. Click on the save to disk icon or use the File "save as" option. Name appropriately.
7. Attach that file (the pdf map) for your closure request to the gmail account noted above.

NB - if you have any problems working with the map applications online then you can photocopy a paper map and draw the lines on by hand. Simply scan your drawing and attach it to the email.

OFFICE EMERGENCY RESPONSE TEAM ERP

These procedures are supplemental to the EPRP and provide specific information for the safe evacuation of Mosaic office locations, where plans are not provided by the Building Owner (i.e., where Mosaic leases office space such as the Vancouver office).

SITE SPECIFIC INFORMATION

Office ID and Location:			
Muster Location(s):			
ERT Members Identified By:	<input type="checkbox"/> Hard Hat, color: <input type="checkbox"/> Hi-Vis vest		
Emergency Response Team	Name	Contact Info	Area Responsibility
Leaders:			
Members:			
Neighbors Contact Information: (to be contacted in an emergency)			
Attachments:	<input type="checkbox"/> Office FA Kit Contents <input type="checkbox"/> Office Earthquake Kit Contents <input type="checkbox"/> Office Evacuation Floor Plan <input type="checkbox"/> Fire Extinguisher/ Hydrant Locations <input type="checkbox"/> Hazardous Materials Information		

ROLES AND RESPONSIBILITIES

- ERT Lead is responsible to ensure that annual building evacuation drills are completed and recorded (one drill for earthquake and one drill for fire).
- An ERT member will be assigned to each floor of the building (refer to attached Evacuation Floor Plan)
- Persons working outside of their normal work area that are located in another area of the building during an evacuation/ emergency will fall under the responsibility of the ERT Member for the temporary work area of the person.
- Where office alarms are not present, an air horn is to be used to assist communication of evacuation alert.

ERT Members

- Know what action is required in the event of an emergency.
- Understand the evacuation procedure of the building.
- Ensure that all occupants know the procedure for an emergency.
- Have a detailed knowledge of their area of responsibility.
- Keep a list of incapacitated personnel in their area.
- Ensure that a replacement is given their responsibilities if they are absent from the work site.

RESPONSE ACTIONS

ERT Leader

1. Call 911, giving the buildings name, address, nature of emergency and any other pertinent information.
2. Obtain the registry of visitors at the site.
3. Go immediately to the designated Muster Area and wait for Emergency Services arrival.
4. Provide access and information requested by the Emergency Services.
5. Record evacuation information provided by ERT Team Members. Ensure all are accounted for.
6. Liaise with the city emergency personnel and pass on information as the situation dictates.
7. Delegate someone to go and wait by the highway to direct emergency vehicles to the correct location.
8. Direct the actions of the assisting persons with any necessary instructions.
9. The fire alarm will not be silenced until confirmed to be a false alarm by the Fire Department.
10. If the investigation carried by the ERT shows the alarm to be the result of a fire, they may take any steps they feel necessary in attempting to fight the fire with equipment available in the building. At no time are they to endanger themselves.
11. Additional businesses adjacent to the office will be immediately notified of any problems and they will also be encouraged to evacuate.

ERT Members

1. Upon notification of an emergency (e.g., alarm, air horn, radio call), put on your ERT hardhat and investigate the problem. If necessary, initiate the fire alarm and begin the evacuation of the building.
1. Do not attempt to fight a fire unless it is very small. At no time are you to endanger yourselves. Never attempt to fight fire where hazardous materials are stored (e.g., pesticide shed).
2. Direct the evacuation of your assigned area by the nearest exit.
3. Search all offices, washrooms, etc., to ensure all occupants have left the area. Be sure to close all doors as you leave.
4. Within the building, staff is to be watchful for persons who may need special assistance during evacuation.
5. Tend to the injured or incapacitated personnel by applying the basic principles of first aid.
6. Report the status of your area to the Team Leader. The Team Leader will be waiting in the Muster Area.
7. If, during evacuation, the ERT members find that movement in the stairwell has slowed appreciably or stopped, they are to redirect persons to an alternate exit.
8. Do not assume the emergency is over if the alarm bells stop ringing. Continue with the evacuation until told by the Fire Department personnel to stop.

Evacuation of persons needing assistance:

1. Ensure that the ERT Leader is aware of any person who may need assistance.
2. Instruct persons to report to an area adjacent to one of the exits and wait for assistance.
3. Arrange for enough people to help in evacuation of any and all persons needing assistance in one trip.
4. Unless there is immediate and apparent danger in a given area, the person and their aides will wait adjacent to a hallway until the main flow of people have passed. At that time they will be taken into the hallway and assisted in their exit. Common sense is to prevail in all cases.
5. If a visiting person is present in your area of responsibility, enlist as many persons as necessary to assist with the evacuation.

6. Follow the advice and wishes of the person as long as their safety and yours is not jeopardized.

OFFICE FLOOR PLAN

Evacuation Instructions

1. Be aware of locations of fire exits.
2. Be alert for evacuation alarms or alternate communication (e.g., air horns)
3. Know who your Emergency Response Team members are and follow their instructions.
4. Exit the building in an orderly manner.
5. Keep conversation to a minimum during evacuation.
6. Do not smoke.
7. Do not congregate in front of the building. Proceed to the designated Muster Area.
8. During an earthquake
 - a. remain inside and sit under furniture or against central inside wall.
 - b. Stay away from glass and doors.
 - c. Do not use elevators
 - d. Evacuate when provided instruction by the ERT Members.

APPENDICES

(attach as applicable)

First Aid/ Earthquake Kits

Fire Extinguisher/ Hydrant Locations

Hazardous Materials Information

SPILL EQUIPMENT – LOG HANDLING FACILITIES

The following information is provided to identify the locations of spill response supplies at the Mosaic Dryland Sorts and Log Handling Facilities.

BONANZA



NORTH ISLAND LOG SORT (NILS)



GOWLLAND



HARDWICKE

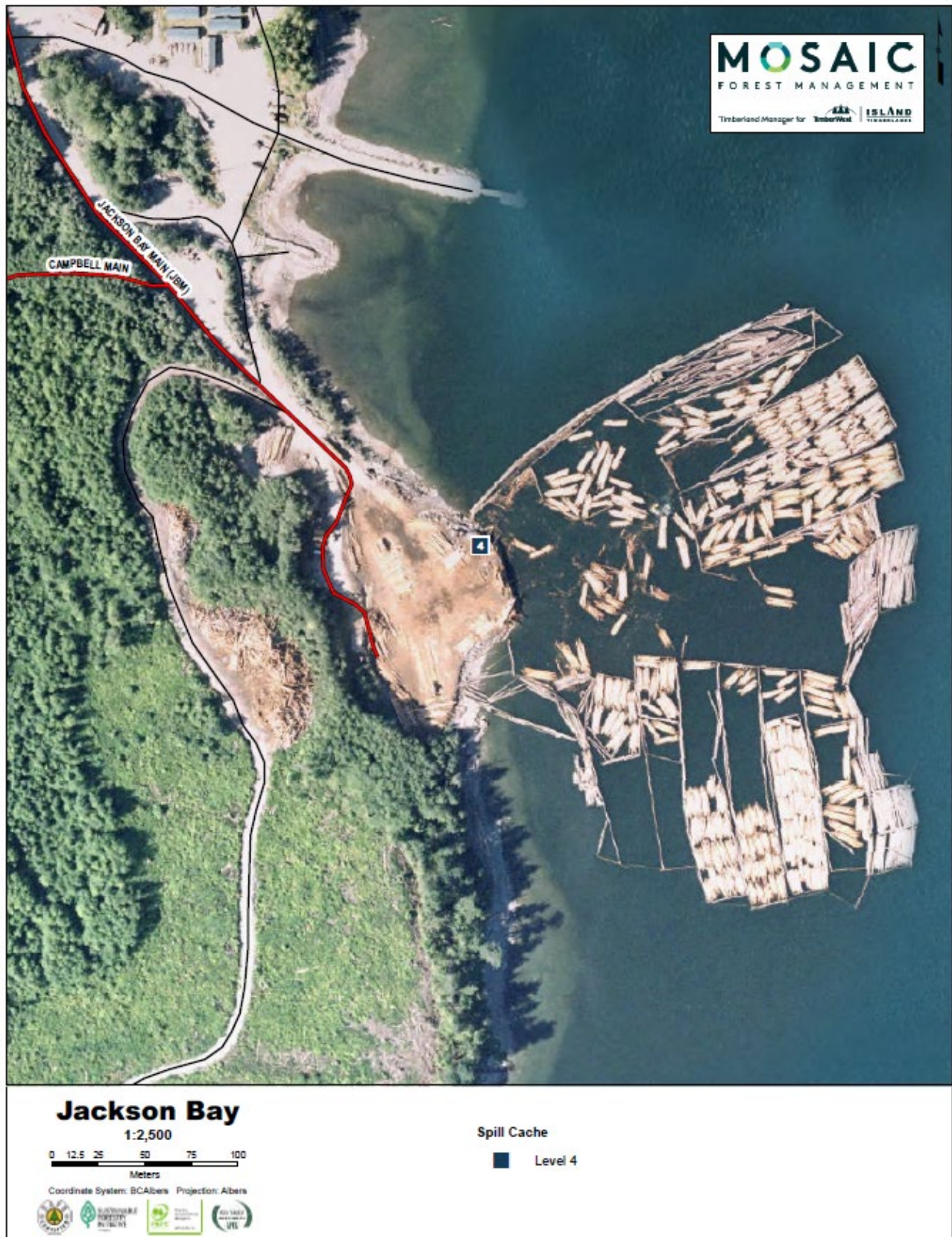


HEMMING BAY



\\p_glapro\projects\2021\20210218_Spill_Cache\Coding\Hemming Bay.mxd Plot Date: 01-Mar-2021

JACKSON BAY



\\p_gisproj\projects\2021\20210216_Spill_Caches\Code\Jackson Bay.mxd Plot Date: 01-Mar-2021

NORTHWEST BAY (NWB) DLS



CHINA CREEK DLS



Op_gisproj/projects/2021/20210216_Spill_Cache/ICodriChina Creek.mxd Plot Date: 09-Mar-2021

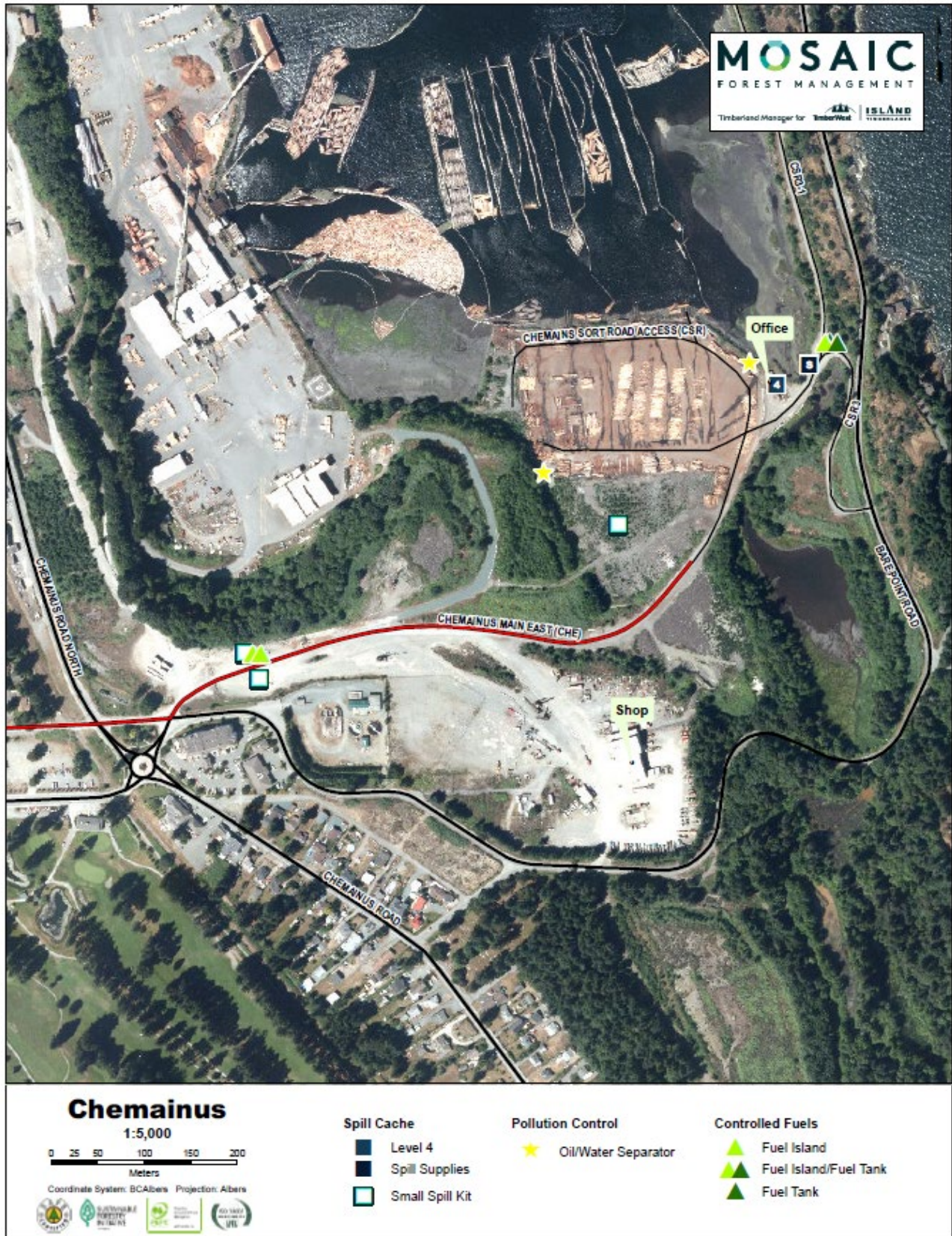
SHOEMAKER DLS



ISLAND TERMINALS

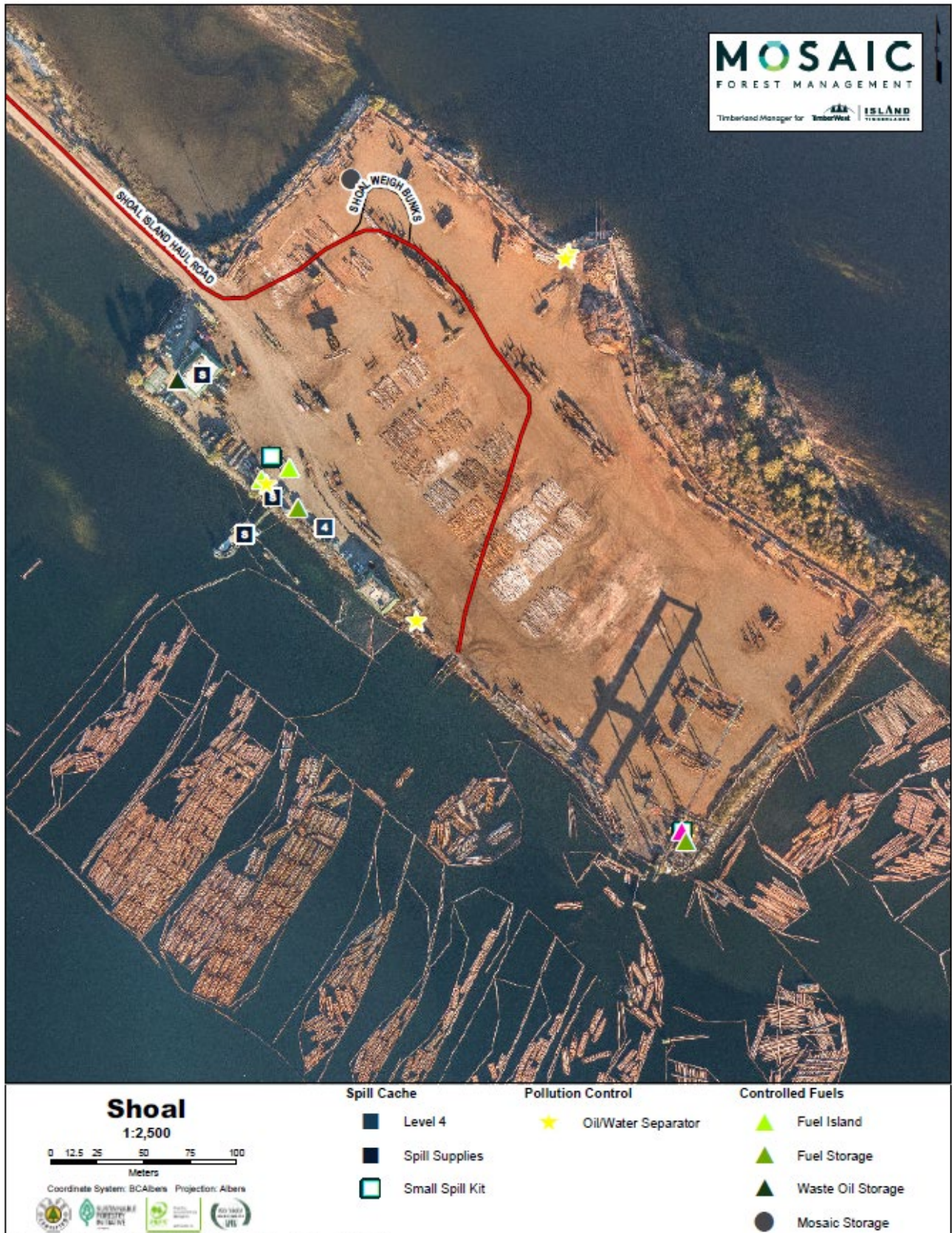


CHEMAINUS DLS



\\p_gisproj\projects\2021\20210218_Spill_Cache\Code\Chemainus.mxd Plot Date: 09-Mar-2021

SHOAL ISLAND DLS



SOUTH ISLAND LOGISTICS FACILITY (SILF)



PORT NEVILLE



\\p_glaspro\projects\2021\20210218_Spill_Cache\Code\Port Neville.mxd Plot Date: 01-Mar-2021