



Weyerhaeuser

LITTLE QUALICUM
COMMUNITY WATERSHED

FOREST PRACTICE CODE

How to Follow Plan

- STEP 1: Always read and understand your plans and maps.
- STEP 2: Always match your plan and map to what you find on the ground and then check that you can do the work.
- STEP 3: Stop and ask if you cannot follow the plan and map.
- STEP 4: Know your responsibilities. Ask if you are unsure.

Due Diligence means following these steps.

AZ
034

YARDING SYSTEM LEGEND

- Highlead, Grapple (alt) Highlead, Longline (alt)
- Grapple, Highlead (alt) Ground Based, Grapple (alt)
- Grapple, Hoechuck (alt) Heli, Longline (alt)
- Hoechuck, Grapple (alt) System Boundary

LEGEND

- Backspar Trail
- Anticipated Machine Stream Crossing
- Culverts
- Falling Line
- Riparian Manage. Area (NHZ)
- Streams: Fish
- Fish Sensitive (FSZ)
- Non Fish
- Non Classified (NCD)
- Gully
- Stream Number
- Reach Name
- Stream Class
- Reach Boundary
- Wet Ground
- Rock Bluff
- Slide
- Built Road
- Located Road
- Landing
- Pits (Rock, Gravel)
- Leave Tree
- Heli Drop Zone
- Wildlife Patch
- Sensitive Site
- Pruning Area
- Pruning Zone
- Partial Cut
- Mine Tailings
- Hammer Mark Bd'y
- Scrub
- CMT
- Windfall

SCALE 1:5,000

Mine Entrance -
Do not Disturb

Anticipated machine stream crossings are temporary. When further stream bank protection is required, puncheon or logs will be used.

SEE REVERSE FOR PRESCRIPTIONS

| OPERATING AREA | | | | METHOD | HA | VOLUME | HAMMER | HA | VOLUME | SPECIES | z | LAT 49 11'57" | LONG 124 39'24" | FORKS # |
|----------------|------------|----------|-----|-----------------|------|--------|---------|--------------|--------|---------|--------|---------------|-----------------|---------|
| CAMERON | | | | R/W | 0.7 | 650 | SETTING | AZ1034 | 20.7 | 18950 | FIR | 37 | ENGINEERING | DATE |
| M3 | ENG | 925 | | WIDE R/W | 1.6 | 1450 | | | | | HEM | 49 | | |
| PER | OPC | | | SUPER SNORKLE | | | | | | | BAL | 5 | | |
| HA | CP | | | HOE CHUCK | | | | | | | CED | 7 | | |
| HAUL | SAR | Cp B | CAY | GRAPPLE | 12.1 | 11100 | R/W | AZ1034 | 0.7 | 650 | CYP | 2 | | |
| Km. | | | 21 | HIGHLEAD | | | INSIDE | REMOVED | 1.7 | | SPRUCE | 0 | | |
| MAP SHEET | 92F.17.4.3 | F.27.2.1 | | LONGLINE | | | OPENING | TOTAL | 2.4 | 650 | PINE | 0 | | |
| SCALE: | 1:5,000 | | | HELI | 7.0 | 6400 | | TOTAL | 23.1 | 19600 | TOTAL | 100 | | |
| PHOTOS | | | | R/W REMOVED | 1.7 | | | HARVEST AREA | 23.1 | 19600 | | | | |
| FIELD WORK | DF etc | | | HARVEST AREA | 23.1 | 19600 | TENURE | CROWN | | | | | | |
| DATE | Dec-98 | | | FEATHERED | | | | TL | | | | | | |
| CHECKED | | | | PARTIAL CUT(z) | | | | PRIVATE | 23.1 | 19600 | | | | |
| DATE | | | | HARVEST AREA | 23.1 | 19600 | | HARVEST AREA | 23.1 | 19600 | | | | |
| Km. INSIDE | 0.265 | | | WILDLIFE TREE | 2.6 | | R/W | | | | M3/Km- | 14101 | | |
| OUTSIDE | 0.100 | | | RIPARIAN | 8.5 | | OUTSIDE | | | | HA/Km- | 16.62 | | |
| SLASH | | | | | | | OPENING | | | | | | | |
| TOTAL ROAD | 0.365 | | | GROSS AREA | 34.2 | 19600 | | TOTAL | 0.0 | 0 | | | | |

YC 100

1705

PROPERTY FILE

006997

HARVESTING PRESCRIPTIONS - OPENING #1705 (YC100-5)

GENERAL

1. The overall objective of this opening is timber harvesting without damaging the fish habitat in the streams below the opening. This opening is in the Little Qualicum Community Watershed. Portable toilets are provide and are to be used.
2. All ditches and culverts **must** remain as free flowing as possible through all phases of harvesting.
3. In accordance with the WCB Regulations, snags and danger trees within the opening and outside the opening boundaries for a distance of not more than 50 meters that endanger workers are approved for falling under the logging plan for this block. Danger trees and snags outside this 50 meter hazard area that are required to be felled should be recorded on a map for future reference. Sanitation falling will proceed if the occasional stem is required to be removed along the opening boundary. The Ministry of Forests will be notified if danger trees and/or snags are identified in groups and removal will result in the opening boundary being substantially impacted. Snags and danger trees meeting utilization specifications will be recovered.
4. Where possible, fall and yard away from the crest of the slide headwall at FC D1 to FC C2.
5. If a bear den or eagle nest is encountered during falling operations, the tree will be reserved from falling along with a protection patch of timber until the Ministry of Environment is consulted. Fallers will move a minimum of 10 meters away from the bear den before resuming work. If the den tree is partially cut, operations will proceed in conformance with WCB Regulations.
6. A field survey of this opening was done for this opening. No CMT's were identified. If a culturally modified tree (CMT) is encountered within the opening (whether live or dead and standing or fallen) during any harvesting phase, operations will cease in the immediate vicinity of the CMT until direction is received from the Ministry of Forests (MoF) and the appropriate first nation bands have been consulted.
7. All marked boundary trees except snags and danger trees must remain standing during and after the completion of harvesting. Trees adjacent to second growth edges that cannot be felled into the setting will be retained, if they are safe to leave, as wildlife trees.
8. Attempt to preserve any mine claim posts encountered during falling and yarding.
9. Pruning areas are identified on the **1:5000 logging map**. Boundary segments from FC I10 to K4, D10 to C5, B3 to B4 and the riparian leave area of stream 18 will be pruned to make windfirm as per the TSFA. Removal of larger trees from the stream buffer zones will not occur. The pruning option will be applied to the timber edge of the opening. Those edges that are to be pruned will be yarded first to avoid creating a safety hazard for workers.
10. Wildlife tree patches have been established, and are marked in green on the 1:5000 map. Any danger trees felled within the WTP will be left as Coarse Woody Debris.
11. All litter including cable, oil buckets, grease tubes, newspapers and lunch garbage is to be placed in appropriate garbage containers and brought to the marshalling yard for proper disposal concurrent with falling logging.
12. All employees, supervisors and contractors associated with this Logging Plan approval shall be fully advised of its contents and requirements.
13. Due to the close proximity of fish bearing waters and the community water use, the following visual shutdown criteria must be followed:
 - a) soils are visibly muddy and silting up creeks that flow out of the block to fish streams or marine sensitive zones.
 - b) excessive water flowing over the forest surface.
12. No backspare trails are to be constructed. No hoechucking is approved in this block
13. No grapple yarder roadside landing of logs within 3 meters of any streambank along all roadsides. All drainage structures will be maintained and remain functional. Unanticipated highlead landings must be at least 30 meters from streams and not extend beyond the approved 20 meter wide right-of-way.
14. Between FC C5 and FC D8, if yarding across bedrock bluffs below the falling bounday maintain good suspension to minimize scouring the shallow soils. Minimize surface disturbance of the sensitive hillside from FC H2 to FC H3 as shown on the **1:5000 logging map**.
15. During salvage operations line skidders and backhoes may be used but may not leave the road surface.

ROAD DE-ACTIVATION:

- a). Temporary de-activation works will be done within sixty (60) days of removing harvesting equipment from the opening if felled and bucked timber must be left over winter.

SPECIAL FOREST PRODUCTS: No harvesting of special forest products may be done until a full review of the Logging Plan and the Silviculture Prescription has been completed.

| I.D. | CLASS | MANAGEMENT STRATEGIES FOR RIPARIAN MANAGEMENT ZONES (RMZ) |
|-----------------|-------|---|
| none | NCD | Un-numbered NCD's within the harvest area will be FX and YX. AHC to prevent obstructing or diverting waterflow. |
| 6 | S-3 | 20m+ NHZ FA YA |
| 12 | S-4 | 2m+ NHZ FA YA |
| 13 | S-4 | 5m+ NHZ FA YA AHC after pruning |
| 14 | S-4 | 20m+ NHZ FA YA AHC after pruning |
| 14A | S-4 | 20m+ NHZ FA YA AHC after pruning |
| 15 | S-4 | Outside harvest area |
| 16 | S-3 | 20m+ NHZ FA YA |
| 17 | S-4 | Outside harvest area |
| 18 | S-3 | 20m+ NHZ FA YA AHC after pruning |
| 20R1 | S-4 | 20m+ NHZ FA YA |
| 20R2 | NCD | RS FA/BL YA - Yard bridged trees vertically AHC to prevent obstructing or diverting waterflow. |
| 21R1 | S-4 | 15m+ NHZ FA YA AHC after pruning |
| 21R2 | NCD | FX YA MC large introduced debris AHC to prevent obstructing or diverting waterflow. |
| 22 | S-3 | 20m+ NHZ FA YA |
| 22B | S-4 | 20m+ NHZ FA YA |
| 27 | S-4 | HH FX YX AHC to prevent obstructing or diverting waterflow. |
| 30 | S-3 | 20m+ NHZ FA YA |
| YELLOW CRK - R1 | S-3 | 30m+ NHZ FA YA AHC after pruning |
| YELLOW CRK - R2 | S-2 | 30m+ NHZ FA YA AHC after pruning |
| Definitions | NCD | Non-classified drainage. |
| | FA/BL | Fall Away. Timber is to be felled away. Leaners and hazard trees that cannot be safely felled away are to bridge the stream. |
| | FA | Fall Away. Timber is to be felled away. |
| | YA | Yard Away. Timber is to be yarded away. In order to improve deflection, cables are allowed to be suspended above the stream. Non-fish streams: merchantable leaners and hazard trees which have been felled across the stream will, by necessity, be yarded across the stream. Fish streams: Leaners and hazard trees which have been felled across the stream will be left unless detrimental to the stream. |
| | HH | 100% Harvested (no retention of saplings). |
| | RS | Retain Saplings on streambanks (non-merchantable). |
| | FE | Feathered Edge |
| | BPT | Blue Painted Trees (selected for removal). Faller's choice of alternate tree if unable to fall safely. |
| | NHZ | No Harvest Zone. Trees are to be felled away from the zone. Trees that can't are to be left as part of the zone. Snags and danger trees must be felled and will be left for future LWD or removed if detrimental to the stream. |
| | FX | Fall Across. |
| | YX | Yard Across. Maximize deflection to minimize stream bank disturbance. |
| | YV | Yard Vertically |
| | MC | Machine Clean transportable introduced large woody debris (LWD) and accumulations concurrent with yarding. |
| | HC | Hand Clean introduced transportable debris. |
| | AHC | Assess for Hand Cleaning, post-harvest, based on stream transport capability. Stream cleaning will be done if necessary. |
| | NC | Don't remove stable natural material that is in a stream or that is embedded in a stream bank, or a root system that contributes to stream bank stability and fish habitat during harvesting or stream cleaning (except when constructing or modifying an authorized stream crossing). |