



SUNSHINE COAST COMMUNITY FOREST

Tender Package Block Summary

AN3A

Disclaimer

The following is to assist Sunshine Coast Community Forest Ltd. contractors and/or their agents by summarizing pertinent information to bidding on the above block. This summary is not a legal document and is not a substitute for reading and understanding all documents contained in the harvesting tender package nor an onsite inspection of the actual block conditions. The Contractor, their agents and operators must also be familiar with the requirements of the *Forest and Range Practices Act*, *Workers Compensation Act and Regulations* and other associated regulations in order to fully understand all obligations for this contract.

Closing Date: Oct 10, 2023 at 9am

Place: Sunshine Coast Community Forest Ltd office, Sechelt BC

Geographic Location: Angus Creek

Total Volume: 4,900 m³ more or less

Species Composition: Hw 42% Fd 31% Cw 27%

SCCF Contact: Warren Hansen - Phone: 604-885-7809 Cell: 604-740-7105

Assessments and Documents

Forest Stewardship Plan:

- This block complies with the requirements outlined in the Forest Range and Practices Act as of July 21, 2022 and is consistent with the approved Forest Stewardship Plan for CFA K3F. This block may require further updates to ensure consistency with new evolving legislation.

Higher Level Plans:

- This block has been carefully checked for conflicts against existing approved Land Use and Landscape Level Plans. There are no conflicts with other land use plans.

Riparian Assessment:

- A riparian assessment was conducted by Chartwell Resource Group Ltd during the layout phase. No fish bearing streams were identified and all non-fish bearing streams will be managed appropriately.

Visual Assessment:

- A visual assessment has been completed and this block does not compromise the Visual Quality Objectives set forth by the MFLNRO Sunshine Coast Forest District.

Forest Health Assessment:

- There are no significant forest health issues in the blocks that require special management treatments other than during the planting phase.

Terrain Stability Field Assessment:

- A terrain stability hazard assessment was conducted for Block AN3A by Statlu Environmental Consultants Ltd. Recommendations were followed from the Terrain Stability Field Assessment.

Windthrow Hazard Assessment:

- Windthrow potential has been rated low to high for timber which will remain standing adjacent to and within Block AN3A harvest area. A tree crown modification (TCM) has been prescribed for the timber with high windthrow potential. The TCM will be organized by the SCCF after harvesting is completed.

Other: Archaeological Assessment

- An Archaeological Assessment was conducted for Block AN3A by InSitu Consulting Inc on behalf of the Shishalh Nation. Any archaeological concerns were addressed and mitigated. Details remain in confidence with the Shishalh Nation.
- Should other archaeological materials or features be encountered during primary forest activities, a stop work order is required. Operators will immediately notify the SCCF Contact who will inform Shishalh Nation and the Archaeology Branch of the discovery.

Special Considerations: N/A

Harvesting

Silviculture System:

- Block AN3A is engineered as a Retention system. A Retention system is defined as half the total area of the cut block within one tree-height from the base of a tree or group of trees.

Harvesting Guidelines:

- The soil types and gentle terrain are best suited to a ground-based harvesting system in combination with roadside decking and processing.
- Where slopes are within the slope limits set by the WCB, the use of skidder, hoe-forwarder, and feller-buncher ground-based equipment is permitted.
- Roadside decking should occur in areas with less than 30% side slope and where the operator feels safe and is operationally feasible.
- Minimize machine induced soil disturbance in the ground-based harvest area. Equipment operators should be adequately trained and experienced to mitigate ground disturbance. To avoid excess site disturbance, areas of poorly-drained soils/standing water should be harvested by tracked machinery rather than rubber tired machinery. Ground based harvesting should occur under dry conditions, particularly on slopes steeper than 30%. If excessive soil disturbance occurs, skidder activity must cease until soil conditions improve (i.e. dry out).

- Minimize disturbance to localized wet sites and rock outcrops. Harvesting in the wetter micro-sites should be done only during dry conditions so that disturbance is minimized, and drainage is maintained. Use slash or brush matting on sensitive microsites. Maintain natural drainage patterns by preventing undue rutting of the surface. Where skidding across a watercourse is required, a skid bridge must be constructed on any designated crossings to further minimize disturbance.
- Skidder roads may be used to facilitate yarding and must be overland and random in location. These trails must be rehabbed after use. Where soil disturbance limits have exceeded 10% of the Net Area to be Reforested (NAR), trails will be rehabilitated within one year of completion of harvesting.
- After harvesting, cover any areas of exposed soil with slash and/or promote rapid revegetation of disturbed areas through seeding and/or planting an appropriate grass and legume seed mix (See Results and Strategies for Invasive Plants).
- Equipment must not be removed from the block without an inspection of the harvesting area.

Safety:

- Contractors must comply with all WorkSafe BC Regulations especially concerning the Prime Contractor Clause.
- Contractors must be B.C. Forest Safe Certified. Being registered for certification does not qualify.
- No trees shall be felled in a manner that creates a hazard for the other harvest phases. Ground conditions and slopes are flat to moderately steep and selective harvesting is not prescribed. Steep slope (>35%) areas are generally identified on the Harvest Plan Map. Operators must follow the WorkSafe BC Guidelines for steep slopes when working in these areas. Please note, although steep slope areas have been identified as accurately as possible, other unmapped areas of steep ground may exist in the block and it is the contractor's responsibility to abide by the OHS Regulations and WorkSafe BC guidelines accordingly.
- Active falling signs and traffic control measures must be posted during all falling operations. Road barricades with specific instructions must be placed strategically during all falling operations as per the OHS Regulations.
- Active hauling signs must be posted during hauling operations.
- "Manned" traffic control measures may be required to comply with applicable regulations. It is the responsibility of the logging Contractor to ensure all statutes and regulations are met.
- Retention trees will be inspected for excessive damage and overhead hazards by the falling supervisor before any further harvest activity commences.
- All contractor vehicles and equipment must meet the Resource Road radio protocol standards.
- All loaded logging trucks must meet current safety requirements for highway hauling on a public highway.

Seasonal Considerations:

- Rain levels will be monitored, and rainfall shutdown guidelines apply to harvesting and road construction activities. Contractor is required to have rainfall gauge and to record rainfall before work commences. Rainfall shutdown limit is 30mm at the start or end of a shift (12-hour period), 50mm in a 24-hour period, 80mm in a 48-hour period, and 110mm in a 72-hour period. Once the hazardous weather ends, work may commence again after a 1-day break (24-hours) for the 12-hour and 24-hour criteria. Work may commence after a 2-day (48-hours) break for the 48-hour and 72-hour criteria.

Soil Sensitivity/Restrictions:

- Rain levels will be monitored, and rainfall shutdown guidelines apply to harvesting and road construction activities. Sensitive soil sites will be assessed after a heavy rainfall and/or rainfall shutdown prior to operating machines in the area.

Site Disturbance Limits:

- Soil disturbance is limited to 10% within the block with the exception of roadside decking and processing areas where 25% disturbance is permitted.
- All ground-based harvesting is to be dispersed over the area.
- All skidder roads must be overland and random in location. Maximum combined hoe chuck / skidding distance is approximately 175m from the built road.
- All skidder roads will be de-compacted, and debris scattered (plant ready) after use.

Equipment Recommendations:

- The soil types and gentle to moderate terrain are suited to a combination of fellerbuncher/handfalling and skidder/hoe-chuck yarding.

Reserves & Biodiversity Requirements:

- Refer to the Harvest Plan Map for the location of Wildlife Tree Retention Area (WTRA) and Retention patches. Retention trees have been painted with orange dots. If a retention tree is felled for safety, leave another tree of similar species and size in its place.
- There are no documented occurrences of the Species at Risk through the B.C. Conservation Data Centre.

Regeneration Protection:

- Retain as many non-merchantable Western red cedars as possible throughout the harvest area.

Pest Management:

- No specific pest related concerns were identified during the layout phase.

Wildlife Requirements:

- No Species at Risk or wildlife feature such as dens or nests have been identified in Block AN3A.
- If any Species at Risk or wildlife features such as dens or nests are discovered during the harvest phase, they must be reported to the SCCF.

Riparian:

- There is two S6 (Stream D and Stream F) and four NCDs (NCD-4, NCD-5, NCD-9, NCD-13) that are within the harvest area.

- Fall and yard away from all water courses. Minimize operating heavy machinery through water courses and use designated crossings whenever available.
- Handfall and yard timber away from the MFZ. Do not operate machinery within the MFZ. Red ribbon hung in the field.

Special conditions: N/A

Road Access

Part A Roads

- Construction, deactivation, reactivation and road maintenance standards for class 6 roads are required unless otherwise prescribed by SCCF.

Part B Roads

- Construction standards are at the discretion of the company, guidance specifications may be provided, short-term roads only. The Contractor may be required to deactivate Part B roads upon completion of operations.
- Road grades are <18% favourable and side-slopes are <45%. Any road over 18% must have safety procedures developed.

Specification Definitions:

- No Design Specs – no road standards to follow, must meet legislation
- General Specs. – generic road standards specified.
- Maintain Only – road already built; maintenance required only.

Table 1: Part A and Part B Roads

	<u>Authority provided under...</u>	Section Length (m)	Specifications
Sechelt-Crucil FSR 7575.07	Road Use Permit	3380	Maintain Only
Sechelt-Dakota FSR 7575.01	Road Use Permit	6598	Maintain Only
Sechelt-Angus FSR 7575.18	Road Use Permit	365	Reactivation
Sechelt-Angus FSR 7575.18	Cutting Permit	597	Reactivation
AN15-1	Cutting Permit	305	General Specs (Reconstruction)
AN3A-1	Cutting Permit	100	General Specs
AN3A-2	Cutting Permit	51	General Specs

Road Design includes: Plans **Profiles** **Cross-Sections** **Data**

- See Harvest and Road Construction Map for road locations and culvert information.
- Road grades are <18% favourable and side-slopes are <45%.

- New Construction:**
- 0.151 km (151m) – General road construction specifications apply

Total end haul: N/A

Overland construction: N/A

- Total road reactivation/reconstruction:**
- 0.962 km (962m) - Reactivation

Major structures: N/A

In-stream works: N/A

- Road Use Permit:**
- A Road Use Permit exists for Sechelt-Crucil FSR 7575.07, Sechelt-Dakota FSR 7575.01, Sechelt-Angus 7575.18.

- Maintenance Agreement required with:**
- Ministry of Forests, Lands and Natural Resource Operations

Private road use charge in place: N/A

- Haul Method:**
- Proposed roads and existing roads have been designed for highway truck use.

Special conditions: N/A

Post Harvesting Requirements

- Debris disposal:**
- Fire hazard must be assessed by a qualified individual as provided for by the Wildfire Act. Pile roadside debris and extensive slash accumulation. Burn during appropriate fire weather conditions or chip debris.
 - Contractor will be required to separate out pieces not loaded out that is greater than 3m/10cm top stacked to roadside for firewood for community use.

Fire guard requirements: N/A

3-meter knockdown: N/A

Stumping required by licensee: N/A

Post harvest windthrow requirements: N/A

Mistletoe eradication required: N/A

Additional Information

Operations Commencement notifications:

- Notify SCCF five days prior to start up of operations.

Extension Conditions:

- Are permitted as per the SCCF contract requirements.

Special Use Permit: N/A

Environmental Management System:

- The successful applicant will be required to implement and conform to the Sunshine Coast Community Forest's Environmental Management System.

Mandatory Pre-work:

- Prior to the start of any operation, a pre-work meeting is required between the Contractor and SCCF staff. If there is a shutdown of operations greater than six months and/or a shut down for seasonal constraints, the pre-work is to be re-done prior to restart of operations. It is the responsibility of the Contractor to contact the SCCF office and schedule these pre-work meetings.

Deactivation and rehabilitation requirements:

- Final grading and other minor maintenance work of the FSR will be required prior to completion of operations. A specific plan designed by an RPF will be given to the contractor prior to completion of harvesting.

Other items: Radio Frequency

- The radio frequency to be used must be determined by the various road use committees. The operational radio must be one commonly used in the Sunshine Coast Forest District. This radio frequency must be submitted to SCCF so it can be recorded and approved at the time of the pre-work meeting.

Mandatory Dates:

- All wood must be delivered by the date specified in the contract.

Other Items: