



MINISTRY OF FORESTS

Mature THLB Timber Volume available within 3 hrs drive of Kitwanga
within 300m buffer of existing roads.

(Area of interest may include inventories from:
TSA 04, TSA10 , TSA12, TSA 21, TSA43, TFL1, TFL41)

Scale 1: 325,000

01 02 25 6.5 9.75 13 16.25 19.5 22.75 26 29.25 32.5 35.75 39 42.25 45.5 48.75 52 55.25 58.5 Km
Date Produced: Thursday, August 19, 2010 MXD: TSK\Haulroads\Kitwanga_3hrs\Bul00_325.mxd
Map produced by: BCTS Skeena File: MatureVolWith3hrsKitwanga_Bul000_20100819_325.pdf
Geomatics Operator: MHOOLE
Projection: NAD_1983_BC_Environment_Albers, Datum: D_North_American_1983

Summary: Mature timber volume (>80 years) available within 3 hours of Kitwanga from existing road network (timber within THLB and within 300m of existing road)

AOI	Data	Total
TFL1	Total Volume (m3)	12,977,961
	Average m3/ha	496
TFL41	Total Volume (m3)	4,928,239
	Average m3/ha	624
TSA10	Total Volume (m3)	10,762,330
	Average m3/ha	396
TSA12	Total Volume (m3)	9,428,904
	Average m3/ha	311
TSA21	Total Volume (m3)	298,913
	Average m3/ha	629
TSA43	Total Volume (m3)	2,347,653
	Average m3/ha	363
	Total Volume (m3)	9,447,580
	Average m3/ha	305
Total Total Volume (m3)		60,191,588
Total Average m3/ha		407

GIS Analysis by: Moa Hoole August 19, 2010

Direction provided by: Mike Folkema

Detail Level = Coarse/Conservative

Datasets:

TFL1 FC: Projected to 2001
TFL41 FC: Projected to 2002
TSA10 FC: Projected to 2002
Digital Road Atlas (TSK clip) used as base for Road Network
THLB_TSKData_ConstraintsErase_20100415: THLB datasets from TFL1, TFL41, TSA10, TSA12, TSA21 merged into one file for analysis. Note: Incorporated THLB TSA10 20100325 acquired via Hubert Burger from TSK dataset. Constraints were included for Goat UVR core, Grizzly WHA poly (including TSA10, & NRSMP proposed), Coastal Tailed Frog WHA core, OOM, Private Land, Hs, Nisga'a Treaty Lands, Parks/EcoReserves/ProtectedArea/Conservancies. Note: Terrain Class 5 has not been removed. More specific details available if required.

Assumptions:

THLB data for TSA 03 (Bulkley) is unavailable until TSF4 is completed - possibly winter 2010/11
Volumes are derived from the clipped FCVRI polygon attributes.
Road Speeds: Highway = 80kph, All other roads = 30kph.
Assumed that DRA dataset is topologically correct (there may be instances where lines are not snapped together, conversely there may be barriers to some roads which have not been accounted for).
Road status is not accounted for (roads may be deactivated, overgrown, or maintained etc.).
Future roads have not been included, therefore there may be additional volume accessible outside the 300m buffer used, and within 3 hours of the point of delivery.
Road buffer = 300m, used to clip out accessible THLB and FCVRI.
Volumes tallied for Mature Forest stands only where projected age >=80.
Forested definition used: NonForest_Desc is Null (alpine and np forest are excluded).

Legend

- Roads within 3hr drive time to Kitwanga
- Log Delivery Site
- Roads (Digital Road Atlas)
- 300m Buffer
- Mature THLB Timber within 300m of existing Road Network
- THLB (including immature stands)
- Nisga'a Lands
- WHSE_TANTALIS.TA_CONSERVANCY_AREAS_SVV
- WHSE_TANTALIS.TA_PARK_ECORES_PA_SVV
- WHSE_TANTALIS.TA_WILDLIFE_MGMT_AREAS_SVV
- TFL1
- TFL41
- TSA10 - Kalum
- TSA12 - Kispiox (includes old TSA42 - Cranberry)
- TSA43 - Nass
- TSA21 - North Coast
- TSA04 - Cassiar

