Meziadin Junction
New Aiyansh
Hazelton
Kitwanga
Terrace
Kitimat
Smithers
TSA43
TSA12
TSA21
TFL1
TFL41
TSA10

| Summary: Mature timber volume (>=80 years) available within 2 hours of Kitwanga from existing road network (timber within THLB and within 300m of existing road) | | |
|---|---|---|
| AOI | Data | Total |
| TFL 1 | Total Volume (m3) | 2,105,391 |
| | Average m3/Ha | 489 |
| TFL 41 | Total Volume (m3) | 980,046 |
| | Average m3/Ha | 605 |
| TSA10 | Total Volume (m3) | 7,754,478 |
| | Average m3/Ha | 489 |
| TSA 12 | Total Volume (m3) | 6,433,515 |
| | Average m3/Ha | 317 |
| TSA 42 | Total Volume (m3) | 2,297,017 |
| | Average m3/Ha | 362 |
| TSA 43 | Total Volume (m3) | 3,347,010 |
| | Average m3/Ha | 296 |
| Total Total Volume (m3) | | 22,917,457 |
| Total Average m3/Ha | | 385 |

**GIS Analysis by: Meg Hoole August 19, 2010**
**Direction provided by: Mike Folkema**

**Detail Level = Coarse/Conservative**

**Datasets:**

TFL1_FC: Projected to 2001

TFL41_FC: Projected to 2002

TSA VRI: Projected to 2008

Digital Road Atlas (TSK clip) used as base for Road Network

THLB_TSKdis_ConstraintsErased_20100415: THLB datasets from TFL1, TFL41, TSA10, TSA12, TSA21 merged into one file for analyses). Note: incorporated THLB_TSA10_20100325 acquired via Hubert Burger from TSR3 dataset. Constraints were included for: Goat UWR core, Grizzly WHA polys (including TSA10, & NSSRMP proposed), Coastal Tailed Frog WHA core, OGMA, Private Land, IRs, Nisga'a Treaty Lands, Parks/EcoReserves/ProtectedAreas/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 TSR4 is completed - possibly winter 2010/11

Volumes are derived from the clipped FC/VRI 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 2 hours of the point of delivery.

Road buffer = 300m, used to clip out accessible THLB and FC/VRI.

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 2hr 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)
- WHSE_TANTALIS.TA_CONSERVANCY_AREAS_SVW
- WHSE_TANTALIS.TA_PARK_ECORES_PA_SVW
- WHSE_TANTALIS.TA_WILDLIFE_MGMT_AREAS_SVW
- Nisga'a Lands
- TFL 1
- TFL 41
- TSA 10 - Kalum
- TSA 12 - Kispiox (includes old TSA 42 - Cranberry)
- TSA 43 - Nass
- TSA 21 - North Coast
- TSA 04 - Cassiar

MINISTRY OF FORESTS

**Mature THLB Timber Volume available within 2 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: 250,000

0 1.5 3 6 9 12 15 18 21 24 27 30 33 36 39 42 45 48 Km

Date Produced:Thursday, August 19, 2010
Map produced by: BCTS Skeena
Geomatics Operator: MHOOLE
Projection: NAD_1983_BC_Environment_Albers, Datum: D_North_American_1983

MXD: TSK_Haulspeeds_Kitwanga_2hrsBuf300_250.mxd
File: MatureVolWithin2hrsKitwanga_Buf300_20100819_250.pdf