



MINISTRY OF FORESTS

**Mature THLB Timber Volume available
within 4 hours drive of Kitimat (+ all TFL41 Offshore)
within 300m buffer of existing roads.**

(Area of interest may include inventories from:
TSA 04, TSA 10, TSA12, TSA 21, TSA43, TFL1, TFL41)

Scale 1: 400,000

0 5 10 20 30 40 50 60 Km

Date Produced: Monday, April 26, 2010 MXD: TSK_Haulspeeds_Kitimat_4hrsBuf300_400.mxd
Map produced by: BCTS Skeena File: MatureVolWithin4hrsKitimat_Buf300_20100426_400.pdf
Geomatics Operator: MHOOLE
Projection: NAD_1983_BC_Environment_Albers, Datum: D_North_American_1983

Summary: Mature timber volume (≥80 years) available within 4 hours of Kitimat from existing road network (onshore) and all TFL41 offshore roads regardless of time (timber within THLB and within 300m of existing road)				
AOI	Vol	Loc	Data	Total
TFL 1	Onshore		Total Volume (m3)	13,802,027
			Average m3/ha	466
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TFL 1 Average m3/ha				466
TFL 41	Onshore		Total Volume (m3)	4,655,252
			Average m3/ha	624
	Offshore		Total Volume (m3)	3,385,854
			Average m3/ha	652
TFL 41 Total Volume (m3)				8,041,106
TFL 41 Average m3/ha				638
TSA10	Onshore		Total Volume (m3)	10,737,199
			Average m3/ha	497
	Offshore		Total Volume (m3)	78,513
			Average m3/ha	569
TSA10 Total Volume (m3)				10,815,712
TSA10 Average m3/ha				568
TSA 12	Onshore		Total Volume (m3)	5,603,366
			Average m3/ha	316
TSA 12 Total Volume (m3)				5,603,366
TSA 12 Average m3/ha				316
TSA 21	Onshore		Total Volume (m3)	442,031
			Average m3/ha	654
	Offshore		Total Volume (m3)	16,254
			Average m3/ha	686
TSA 21 Total Volume (m3)				458,285
TSA 21 Average m3/ha				659
TSA 42	Onshore		Total Volume (m3)	1,965,836
			Average m3/ha	371
TSA 42 Total Volume (m3)				1,965,836
TSA 42 Average m3/ha				371
TSA 43	Onshore		Total Volume (m3)	4,662,016
			Average m3/ha	300
TSA 43 Total Volume (m3)				4,662,016
TSA 43 Average m3/ha				300
Total Total Volume (m3)				45,346,326
Total Average m3/ha				469

GIS Analysis by: Max Hoole April 22, 2010
Direction provided by: Mike Folkema

Detail Level = Coarse/Conservative

Datasets:
TFL1_FG: Projected to 2001
TFL41_FG: Projected to 2002
TSA_VRI: Projected to 2008
Digital Road Atlas (TSK clip) used as base for Road Network
THLB_T00kde_ConstantCreated_20100410: THLB datasets from TFL1, TFL41, TSA10, TSA12, TSA21 merged into one file for analyses. Note: Incorporated THLB_TSA10_20100325 acquired via Hubert Burger from TSRO dataset. Constraints were included for: Goat UWR core, Grizzly WHA poly (including TSA10, & NSRRMP proposed), Coastal Tailed Frog WHA core, OGMA, Private Land, Irs, Nisga'a Treaty Lands, Parks/CoReerves/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 TSRA is completed - possibly winter 2010/11
Volumes are derived from the clipped FCV/RI 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 4 hours of the point of delivery.
Road buffer = 300m, used to clip out accessible THLB and FCV/RI.
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

- Log Delivery Site
- Roads within 4hr drive time to Kitimat (Onshore only)
- Roads (Digital Road Atlas)
- 300m Buffer
- Mature THLB Timber within 300m of existing Road Network
 - Offshore
 - Onshore
 - 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 Treaty Lands
- TFL 1
- TFL 41
- TSA 03 - Bulkley
- TSA 04 - Cassiar
- TSA 10 - Kalum
- TSA 12 - Kispiox (includes old TSA 42 - Cranberry)
- TSA 43 - Nass
- TSA 21 - North Coast