

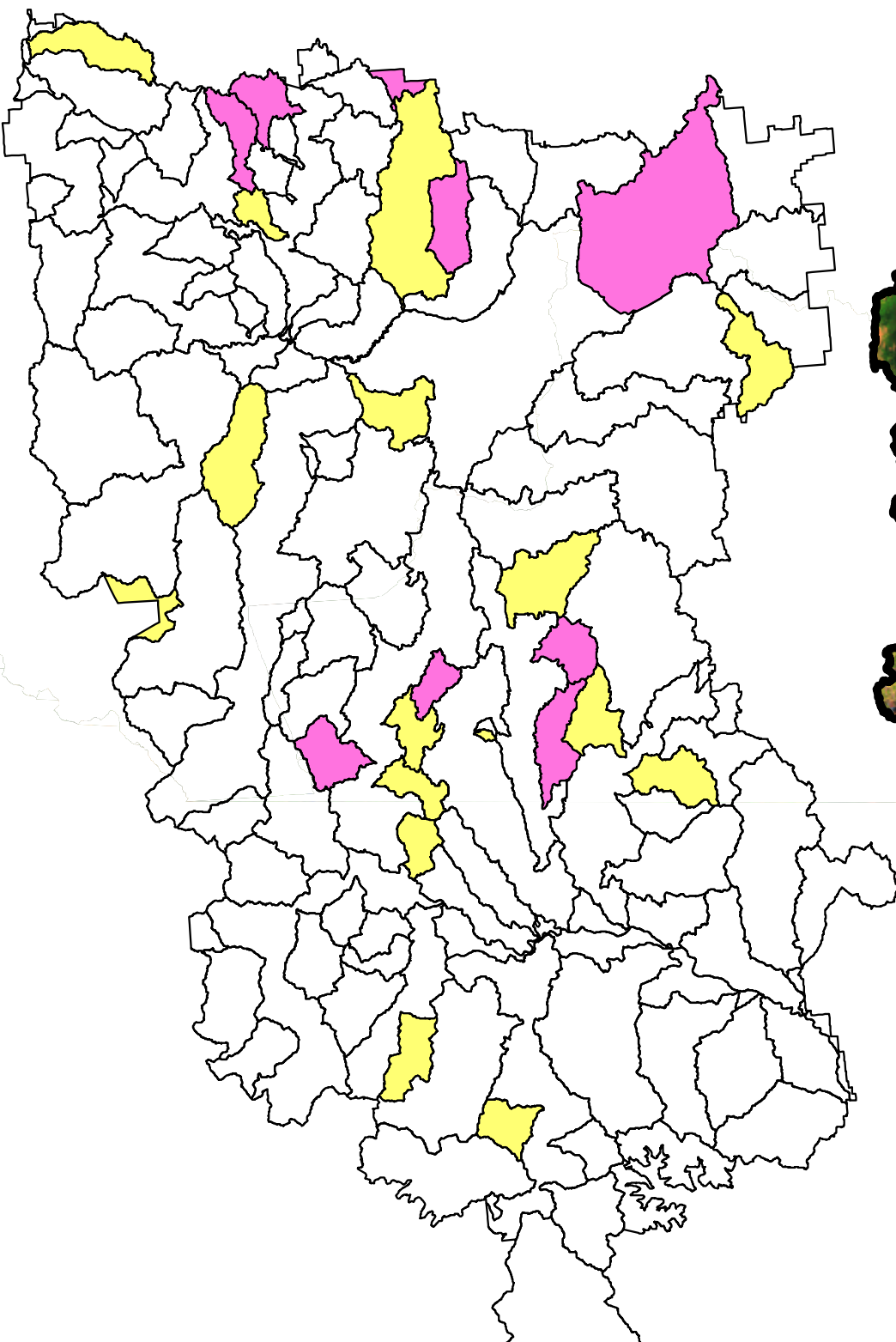


Landscape & Watershed Estimated Retention on Forested Crown Land Merritt TSA - September 2010

- Landscape Units
- Watersheds & Labels
- Large Cutblock Review
- Community Watersheds
- Land Status
 - Private Land
 - Indian Reserves
 - Prov. Park, PA, Rec. Area
 - Ecological Reserves

Large Cutblock Review - Merritt TSA
Estimated Forested Crown Land - September 2010

Large Cutblock	Forested Crown Land Total Area (ha)	Percent of Total Area (>30yrs Old)	Percent of Total Area (>20yrs Old)
Chataway CB	3,639	36.64%	36.64%
Dardanelles CB	8,261	20.24%	20.96%
Mabel CB	3,500	18.30%	24.34%
Skuhost CB	1,823	24.87%	24.87%



Estimated Forested Crown Land Retention by Watershed
Merritt TSA - September 2010

- Legend
- Watersheds with an Estimated <50% Retention of Forested Crown Area >30yrs Old
 - Watersheds with an Estimated >=50% to <=60% Retention of Forested Crown Area >30yrs Old

Associated Landscape Unit (contains majority of watershed)	Watershed	Total Forested Crown Land Area (ha)	Percent of Total Area (>30yrs Old)	Percent of Total Area (>20yrs Old)
Coldwater	Brook Creek - CWS	2,916	70.83%	80.46%
	Brook Creek - Lower	1,162	69.51%	84.55%
	Coldwater River	33,024	82.41%	86.20%
	Godley Creek	2,548	50.63%	69.56%
	Juliet Creek	5,691	87.87%	95.13%
	Kwinshatin Creek - CWS	2,325	69.53%	74.69%
	Midday Creek	7,186	56.67%	58.39%
	Nicola River	2,061	87.36%	87.36%
	Skuagum Creek - CWS	407	68.86%	73.58%
	Voght Creek	15,675	71.54%	76.42%
Hayes	Finnegan Creek	4,116	79.52%	79.52%
	Grant Creek	4,969	55.50%	60.68%
	Hayes Creek	15,921	69.98%	74.75%
	Lee Creek - CWS	477	78.31%	82.26%
	Red Creek	11,496	77.10%	78.50%
	Shiniah Creek	6,140	61.50%	76.09%
	Simikameen River	5,004	75.94%	76.16%
	Swash Creek	23,928	63.33%	70.27%
	Spukunne Creek	4,698	51.53%	64.50%
	Trout Creek - CWS	1,588	75.91%	84.63%
Lower Nicola	Baldie Creek	1,209	97.45%	97.67%
	Chataway Creek	3,639	36.64%	36.64%
	Gordon Creek	4,468	80.76%	81.68%
	Inkikuh Creek	4,686	58.35%	61.63%
	Klorkowick Creek	2,930	68.62%	73.21%
	Nicola River	18,627	88.18%	91.76%
	Nualtch Creek	7,933	86.96%	87.04%
	Papallique Creek	1,986	95.76%	96.89%
	Pimainus Creek	9,606	72.51%	73.79%
	Shackelly Creek	1,596	80.24%	83.44%
McNulty	Shakan Creek	9,174	84.64%	86.13%
	Skeut Creek	1,771	98.25%	98.25%
	Skuhost Creek	5,555	67.62%	67.64%
	Skuhuk Creek	10,833	79.48%	79.78%
	Thompson River	959	92.37%	99.96%
	Hedley Creek	8,692	88.62%	88.55%
	McNulty Creek	20,258	67.06%	76.02%
	Simikameen River	7,309	84.33%	84.39%
	Cook Creek	2,667	54.06%	58.78%
	Quilichena Creek	1,654	64.30%	62.47%
Otter	Manning Creek	3,035	54.57%	66.07%
	McCullough Creek	6,157	68.24%	68.58%
	McPhail Creek	5,894	60.52%	71.51%
	Myren Creek	3,090	51.72%	59.64%
	Otter Creek	21,323	69.14%	72.79%
	Spearing Creek	6,963	61.08%	73.49%
	Thymin Creek	4,549	49.01%	51.50%
	Ashnola River	3,403	74.83%	77.21%
	Belgie Creek	3,344	84.29%	84.58%
	Bell Creek - CWS	326	71.37%	71.37%
Simikameen	Copper Creek	14,310	86.94%	86.98%
	Passayten River	17,112	77.99%	83.38%
	Placer Creek	6,803	63.35%	71.26%
	Simikameen River	17,168	61.51%	65.03%
	Sunday Creek	3,407	50.78%	54.08%
	Tulameen River	2,860	75.25%	75.70%
	Whipsaw Creek	17,913	80.95%	87.48%
	Ashnola River	6,321	82.84%	90.57%
	Paul Creek	9,775	83.74%	83.95%
	Simikameen River	10,945	88.96%	91.57%
Smith-Willis	Smith Creek	12,476	86.67%	82.11%
	Whistle Creek	10,254	71.13%	78.63%
	Wolfe Creek	20,720	61.99%	68.62%
	Maka Creek	20,463	70.61%	76.70%
	Nicola River	2,051	77.86%	82.10%
	Prospect Creek	19,286	83.81%	91.50%
	Spilus Creek	29,619	80.87%	88.55%
	Urtulus Creek	2,481	57.79%	85.05%
	Alison Creek	18,219	65.50%	70.11%
	Anderson Creek - CWS	290	97.16%	98.53%
Summers	Asp Creek	5,745	73.62%	77.83%
	Dillard Creek - CWS	3,803	48.49%	59.47%
	Hackett Creek - CWS	221	54.07%	100.00%
	Rampart Creek	5,076	46.76%	60.06%
	Shrimpton Creek	7,558	51.57%	53.98%
	Summers Creek	15,024	63.96%	69.11%
	Tulameen River	4,730	78.38%	84.09%
	Broom Creek	2,463	60.96%	61.33%
	Clapperton Creek	14,288	50.26%	56.72%
	Cougar Creek	1,486	76.07%	76.97%
Swakum	Cultus Creek	5,309	62.92%	62.92%
	Dupuis Creek	3,479	48.00%	48.00%
	Guichon Creek	9,119	62.99%	77.21%
	Jesse Creek	1,384	94.36%	94.34%
	Mabel Creek	4,963	28.88%	33.14%
	Meadow Creek	1,246	44.23%	44.23%
	Nicola Lake North	6,910	63.57%	67.12%
	Nicola River	2,760	81.06%	83.46%
	Quenville Creek	3,569	75.83%	75.86%
	Rey Creek	5,039	66.12%	72.19%
Tulameen	Steffens Creek	5,719	74.65%	80.53%
	Stumblers Creek	3,401	72.55%	74.80%
	Tyner Creek	1,968	54.42%	54.42%
	Arrastra Creek	6,120	82.70%	82.70%
	Bakeburn Creek	2,861	65.76%	71.66%
	Britton Creek	5,578	77.45%	84.51%
	Champion Creek	5,069	79.09%	79.90%
	Coquihalla River	2,564	81.25%	82.76%
	Frenchy Creek	4,381	55.88%	75.40%
	Granite Creek	10,332	80.84%	85.19%
Upper Nicola	Lawless Creek	11,149	64.00%	69.84%
	Newton Creek	2,280	81.17%	81.17%
	Olivine Creek	2,816	78.34%	81.62%
	Podunk Creek	4,683	87.67%	89.48%
	Tulameen River	16,942	84.47%	85.82%
	Vuich Creek	6,801	86.89%	86.92%
	Chapperton Creek	3,107	61.64%	66.73%
	Douglas Lake North	11,990	47.41%	54.02%
	Douglas Lake South	4,478	78.07%	79.71%
	Mellin Creek	5,011	54.17%	58.09%
Total	Nicola River	6,426	86.62%	88.89%
	Nicola River - Upper	4,896	69.89%	71.24%
	Peter Hope Creek	4,494	88.54%	90.55%
	Pothole Creek	10,551	81.06%	81.76%
	Quilichena Creek	22,449	60.70%	65.99%
	Salmon River	6,197	65.70%	66.34%
	Wasley Creek	4,590	70.86%	79.55%
	Grand Total	858,725	70.74%	75.65%

Forested Crown Land = all crown land that currently has trees on it, has been approved for harvest or harvested, or replanted.
Including: WHA's, OGMA's, Non-Productive/Problem Forest Types
Forested as defined by the VRI and/or Approved for Harvest and/or Harvested and/or replanted according to FTA and RESULTS
Please Note: WTP's and dispersed retention within harvested areas is not accounted for, since the RESULTS data is not reliable, hence the percentages are slightly inflated.
Excluding: All non-forested lands as defined by the VRI (open range, water, rock, etc.)
Non-Crown Lands - Private, Indian Reserves and Parks (Provincial/Federal, Protected Areas, Ecological Reserves, etc.)

Analysis Source Data:
Vegetative Resource Inventory (VRI) - Extrated on February 1, 2010
Harvest History - Extrated on February 1, 2010
The Harvest History data is a combination of FTA-cutblocks, RESULTS-forest cover from 1990 to present.
The merged dataset contains only polygons that were attributed as "cut" or "approved to be cut" in the individual files as follows:
RESULTS - Forest Cover Poly
FTA - Cutblock Poly
VRI - Opening Indicator (current to December 2007)

Landscape Units
Watershed Boundaries - using the "Corporate Watershed Base" data as a starting point, watersheds were merged or split to create logial groupings for analysis. Watersheds were then assigned to which ever LU the majority of the watershed was in, with several of the larger river bottoms being split between LU's.

Estimated Forested Crown Land Retention by Landscape Unit
Merritt TSA - September 2010

Landscape Unit (Watershed)	Forested Crown Land Total Area (ha)	Percent of Total Area (>30yrs Old)	Percent of Total Area (>20yrs Old)
Coldwater	73,025	75.84%	80.62%
Hayes	75,336	67.56%	73.12%
Lower Nicola	84,973	78.72%	80.53%
McNulty	36,499	75.78%	80.76%
Otter	55,320	62.33%	68.14%
Simikameen	88,646	70.42%	74.44%
Smith-Willis	70,492	73.20%	80.12%
Spilus	73,900	77.93%	85.74%
Summers	60,666	62.63%	68.41%
Swakum	73,104	60.47%	65.41%
Tulameen	81,584	78.11%	81.74%
Upper Nicola	84,180	64.33%	68.16%
Grand Total	858,725	70.74%	75.65%



Scale: 1:165,000
0 5 10 20 Kilometres

Projection: BC Albers Equal Area Projection, NAD83
Digital Base Mapping: NTS Base Mapping - LRDW
Landsat Imagery (30m) - 2010

Data Sources:
Land Ownership - Crown Land Registry via LRDW
Landscape Units - MFOR via LRDW
Community Watersheds - MOE via LRDW
Watershed Boundaries - Local Data - Cascades FD

Map produced by: Cascades Forest District, September 2010
GIS Project: P2010-04 Prt. 3
Plot File: TME_Retention_Analysis_Sept2010_Landsat2010.pdf