



Ministry of Forests, Lands
and Natural Resource Operations

Forests For Tomorrow 2014/15 – 2018/19

Provincial Meeting
September 18, 2013
Allan Powelson,
Monty Locke

VISION

- *The impacts of catastrophic disturbances and constrained timber supplies are: (a) identified, prioritized and communicated to government to support investment decisions; and (b) consistent with those decisions, the impacts are effectively and efficiently mitigated by exemplary stand tending and reforestation activities that enhance forest values and support forest resilience.*

MISSION

- *FFT optimally utilizes available funding to reforest and manage productive forest land through the use of best science, and in consideration of all forest values and changing factors.*

Eligible Investment Category	Sub-Category	Focus	Implementation Priorities
Forests for Tomorrow Program	Current reforestation	<ul style="list-style-type: none"> • Priority given to those areas throughout the province where the catastrophic disturbance has caused drops in mid- and long-term timber supply. • Eliminate backlog NSR. 	<ul style="list-style-type: none"> • Maintain adequate growth rates on existing government-funded land based investments through vegetation management. • Annual reforestation level of 20 million seedlings (at least) with a variety of species, on areas where the mid- and long-term timber supply has been impacted by catastrophic disturbance. • Meet government obligations under <i>Forest and Range Practices Act section 108</i>. • Eliminate the provincial backlog (pre-1987) Not Satisfactorily Restocked (NSR) by 2015.

Eligible Investment Category	Sub-Category	Focus	Implementation Priorities
Forests for Tomorrow Program	Timber Supply Mitigation	<ul style="list-style-type: none"> Mitigate impacts on timber supply caused by catastrophic disturbance or constrained timber 	<p>MPB impacted areas</p> <ul style="list-style-type: none"> Fertilization, spacing, and conifer release in the central Interior will focus on mitigating the reduction in the mid-term timber supply by targeting these activities within the “economic fibre-baskets” associated with the priority areas: Spacing treatments should be focused on managing density of repressed, or potentially repressed, stands with low forest health risks. Stands and spacing densities should be targeted for future fertilization treatments and value improvement. <p>Coast, NW, SE</p> <ul style="list-style-type: none"> Fertilization , spacing, and conifer release on coastal, southeast, and northwest forest management units with constrained timber supply and where highest return-on-investment will be achieved to improve timber availability and value. Focus on establishing stands suitable for future fertilization and value improvement.

From the service plan

Performance Measure 7: Timber volume gain from silviculture investments.

Performance Measure	2012/13 Forecast	2013/14 Target ²	2014/15 Target	2015/16 Target
Timber volume gain (millions of cubic metres) expected in 65 years from silviculture treatments completed ¹	7.7	8.3	8.3	8.3

Discussion

This measure compliments attainment of the provincial sustainable harvest level targets: 57 million cubic metres per year during the mid-term, and 65 million cubic metres per year for the long-term.

Government Commitments

Current reforestation

- Plant at least 20 million seedlings per year
- Eliminate the backlog NSR by 2015
- Increase funding by \$10 million starting in 2015/16

Timber Supply Mitigation

- Continue developing Type 4 Silviculture strategies
- Fertilize at least 21,000 ha per year

- Determination of level of investment in each region of the province will be based upon the level of need and opportunity for mitigation of impacts on timber supply caused by catastrophic disturbance or constrained timber

2014/15

- 2014/15 FFT budget projected to be around \$32 M for CR and around \$11.85 M for TSM
- Direction from Premier to Minister to increase funding for “reforestation” by \$10 M starting in 2015/16

Finding treatable areas

- FFT potential opportunity maps
 - Areas that might be not sufficiently stocked were determined using the vegetation resource inventory, provincial overview surveys for forest health, perimeters of wildfires since 1999, current harvested stand updates, and the mapped boundaries of the timber harvesting land base.
- Silviculture opportunity maps
 - Finding opportunities for a variety of incremental activities
- Digital Camera and other high resolution imagery availability.
 - Available from FAIB and GeoBC



Guidance for developing the AOP and 5-year plan

Planning

- [Forest For Tomorrow Strategic Plan](#)
- [Silviculture planning process](#)
 - [FFT silviculture 5-year plan instructions](#)
 - [Silviculture treatment regimes](#)

Stand Management Guidance

- [Silviculture treatment funding criteria](#) (Minor changes reflecting regional input)
- [Management of tree species composition](#)
- [FFT species and density indicators and targets](#)
- [Mixed species options for FFT](#)
- [Assisted Species Migration](#)
- [FFT use of western white pine guidance](#)
- [Silviculture regimes for fuel management](#)
- [Fibre Plantations In British Columbia \(Land Based Investment Program\)](#)

Return on Investment

- [ROI Information / Training / Guidance documents](#)



Priority ranking for current reforestation treatment as 2013

(indication of TSA name includes all management unit types – tree farm licences, Community Forests, and woodlots - encompassed by that broader area in priority ranking)

ranking	TSA/District Name	Pre-uplift AAC (m3)	AAC (as of Feb 10, 2012)	Mid-term MoFR	LRSY	future Volume loss without treatment (m3/yr)	Future % loss in relation to LRSY without treatment
1	Lakes	1,500,000	2,000,000	500,000	1,200,000	310,975	26%
1	Quesnel	3,248,000	4,000,000	1,110,000	2,200,000	486,567	22%
1	Williams Lake	3,807,000	5,770,000	1,840,000	1,900,000	406,165	21%
2	100 Mile House	1,334,000	2,000,000	855,000	1,300,000	203,158	16%
2	Vanderhoof (District)	9,313,000	12,500,000	6,400,000	9,500,000	589,400	13%
2	Ft. St. James (District)					442,176	
2	Prince George (District)					248,276	
2	Morice		2,165,000	1,200,000	1,600,000	208,726	13%
3	Mackenzie		3,050,000	2,880,000	3,300,000	285,957	9%
3	Kamloops	2,682,000	4,000,000	1,830,000	2,300,000	181,447	8%
3	Dawson Creek		1,860,000	1,180,000	1,800,000	124,359	7%
3	Merritt	1,508,000	2,400,000	1,600,000	1,700,000	94,861	6%

Additional aspects that impact this priority listing

- **Caribou mitigation openings**
 - Incorporating the crop establishment opportunities into plans
 - strategically adjust less critical activities which can be achieved on alternative timelines
- **Random events outside priority areas**
 - what should the strategic approach be for these opportunities?
 - What should be the criteria that we use to ensure that we do not miss stewardship opportunities that can be locally important but are outside of the main provincial priority areas?

Priority ranking for timber supply mitigation treatment as 2013

(indication of TSA name includes all management unit types – tree farm licences, Community Forests, and woodlots - encompassed by that broader area in priority ranking)

Area	Region	TSA_name	District	Pre-uplift AAC (m3)	AAC	3 Yr Annual Harvest Avg (07/08 - 09/10)	Mid-term MoFR	LRSY	Mid-term vs AAC	Drop in mid-term vs pre-uplift AAC	Drop in mid-term vs AAC	Drop in mid-term annual harvest/ yr	drop in mid-term vs LRSY	%change from pre-uplift AAC to mid-term	% change from AAC to mid-term	% change from 3yr harvest to mid-term	% change from LRSY to mid-term
North	Skeena	Lakes	Nadina	1,500,000	2,000,000	1,130,804	500,000	1,200,000	25%	1,000,000	1,500,000	630,804	700,000	67%	75%	56%	58%
North	Omenica	Prince George	Vander, PG, FSJ	9,313,000	12,500,000	8,698,921	6,400,000	9,500,000	51%	2,913,000	6,100,000	2,298,921	3,100,000	31%	49%	26%	33%
South	Cariboo	Quesnel TSA	Quesnel	3,248,000	4,000,000	3,604,689	1,100,000	2,200,000	28%	2,148,000	2,900,000	2,504,689	1,100,000	66%	73%	69%	50%
South	Cariboo	Williams Lake TSA	Cariboo/Chilcotin	3,768,400	5,770,000	2,902,331	1,840,000	1,900,000	32%	1,928,400	3,930,000	1,062,331	60,000	51%	68%	37%	3%
North	Skeena	Imrice	Nadina		2,165,000	1,780,254	1,200,000	1,600,000	55%		965,000	580,254	400,000		45%	33%	25%
South	Thompson	Kamloops	Kam/Headwaters	2,682,000	4,000,000	2,172,017	1,830,000	2,300,000	48%	852,000	2,170,000	342,017	470,000	32%	54%	16%	20%
South	Thompson	Okanagan	OK, Suswap	2,655,000	3,375,000	2,768,528	2,140,000	3,000,000	63%	515,000	1,235,000	628,528	860,000	19%	37%	23%	29%
South	Cariboo	100 Mile House	100 Mile House	1,334,000	2,000,000	1,814,750	855,000	1,300,000	43%	479,000	1,145,000	959,750	445,000	36%	57%	53%	34%
South	Thompson	Merritt	Cascades	1,508,000	2,400,000	2,860,700	1,600,000	1,700,000	67%		800,000	1,260,700	100,000		33%	44%	6%
South	Kootenay/B	Arrow	Arrow Boundary		550,000	536,504	450,000	700,000	82%		100,000	86,504	250,000		18%	16%	36%
South	Kootenay/B	Cranbrook	Rocky Mountain		904,000	816,416	529,000	900,000	59%		375,000	287,416	371,000		41%	35%	41%
South	Kootenay/B	Invermere	Rocky Mountain	582,000	598,570	485,729	372,000	400,000	62%	210,000	226,570	113,729	28,000	36%	38%	23%	7%

Additional aspects that impact this priority listing

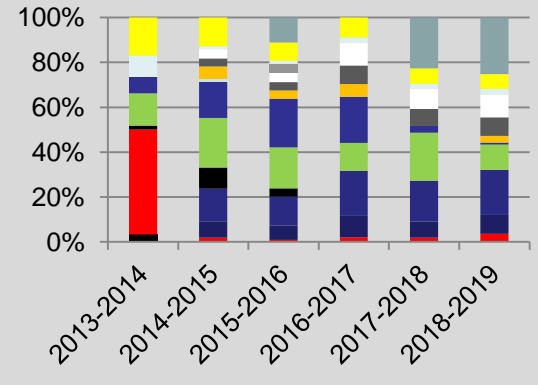
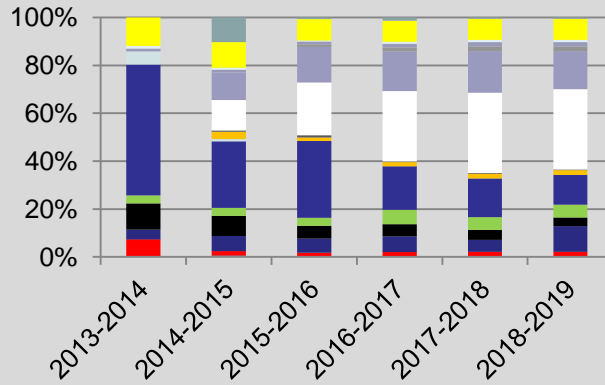
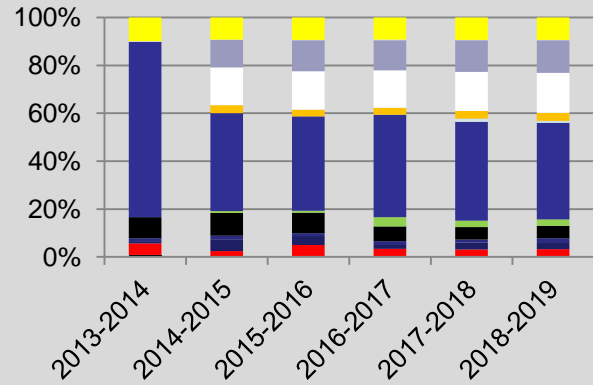
- **2014/15 LBIS Draft Budget for TSM (\$11.85 million)**
- **Incorporation of Woodlot Associations and Community Forests**
- **70/30 Interior Priority Units /Coastal, NW, SE split**
- **Interior Priority areas – focus on priority one areas first in addressing mid-term timber supply gap**
- **Coastal, NW, SE – use AAC to assign funding levels**

- Provincial summary

CR Summary

TOR Summary

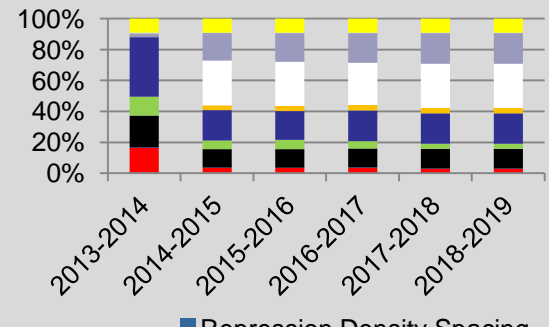
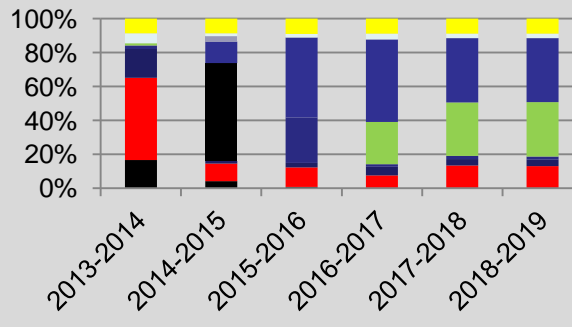
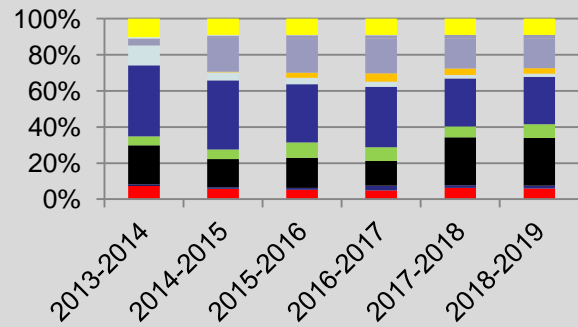
KBR Summary



OR Summary

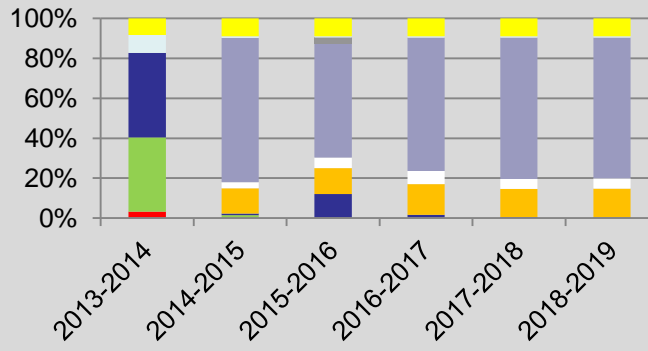
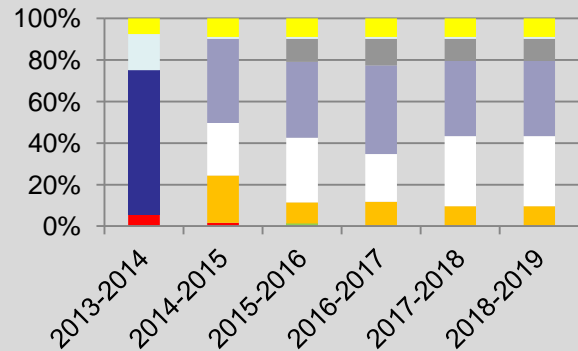
NER Summary

SR Summary



SCR Summary

WCR Summary

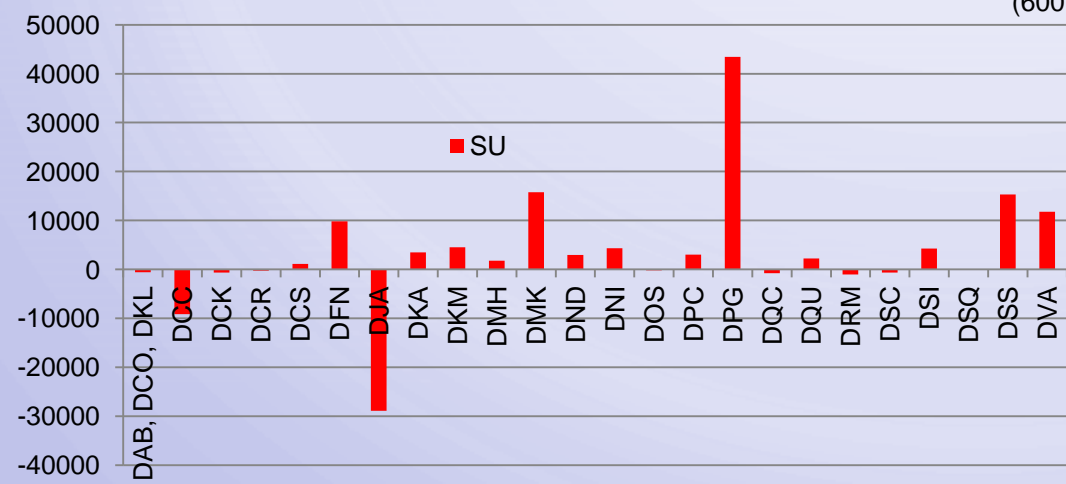
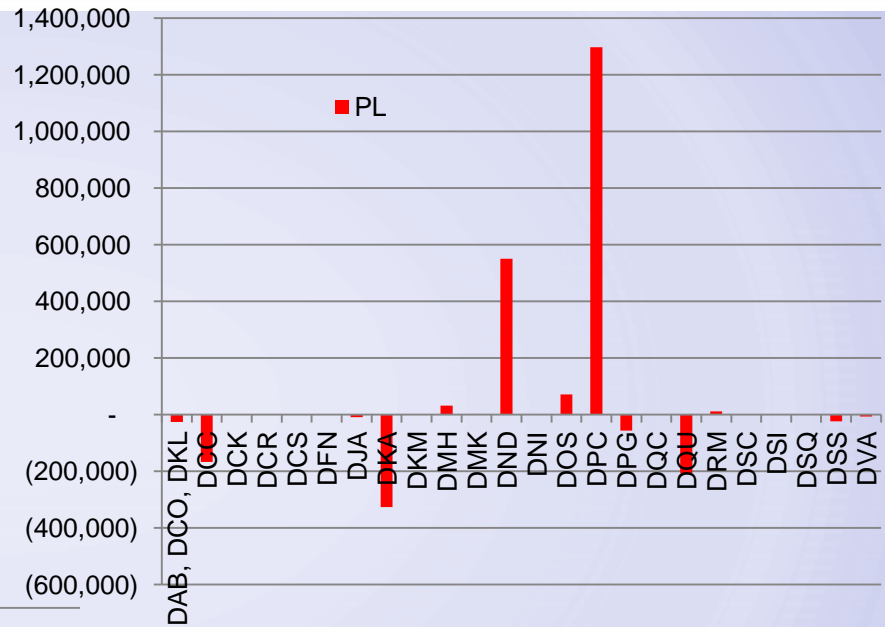
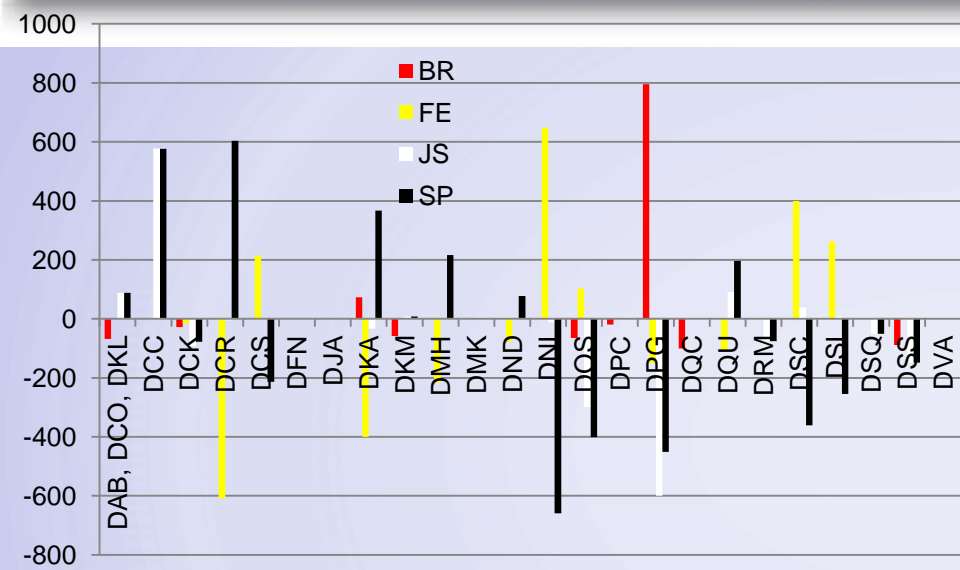


- Repression Density Spacing
- Program Support (Admin)
- Overview Planning
- Access
- Pruning
- Fertilization
- Spacing
- Conifer Release
- TSM surveys
- Overstory removal
- Planting
- Brushing
- Site Prep
- Brushing Surveys
- Defaulted Obligations Surveys
- MPB/Wildfire Surveys
- Backlog NSR Surveys

- [BCTS provincial summary](#)

Forward planning

- Essential to use RESULTS forward planning
- Important that the information planned in RESULTS is accurate.
 - **STILL** working towards GENUS/RESULTS automatic connection
 - Till then will produce data dumps from GENUS to place into RESULTS. (talk to Dominy and MacLeod)



Difference between RESULTS completed vs FFT Funded Goals in 2012/13 – activities planned but reported did not match

Next steps:

- September 30th- Budget based on draft plan submitted as part of LBIS
- November 1st - LBIS budget submitted to Deputy
- December 31st - 2014/15 AOP 2nd draft firm based on projected budget
- March 1st - 2014/15 AOP finalized based on received budget
- April 1st – 2014/15 AOP actioned

Questions?

- Info: FFT web-page
<http://lbis.forestpracticesbranch.com/LBIS/node/1059>
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