

Soil Value Cutblock-Level Effectiveness Evaluations

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Soil Value Cutblock-Level Effectiveness Evaluations

- ▶ Piloting began in 2005
- ▶ Sampling involves using both high quality aerial photos and ground-truthing
- ▶ Aerial photos taken during 2007 represent the first year of Implementation
- ▶ The photos taken in 2007 will be analyzed and ground-truthed in 2008

Early Results

- ▶ Summary of data collected in Pilot Districts of the Northern Interior and Southern Interior Regions between 2005-2007
 - Loss of productivity due to access structures



3.3% of gross
block area (avg.)

(n = 72)

Early Results

- In-block area affected by landslides (or mass wasting) and surface erosion



2 occurrences
(N=57)

0 occurrences
(N=57)



Early Results

- In-block area affected by drainage diversion



12 occurrences
(N=57)

Average size
446 m² or 0.05 ha

Early Results

- Dispersed soil disturbance within the Net Area to be Reforested (NAR)



	Min	Mean	Max
N=12	(%)	(%)	(%)
Total	4	20	70
Counted	0	6	22

Note: Soil limit is 5% or 10% depending on site sensitivity

Early Results

- Soil disturbance within Roadside Work Areas (RWA)



	Min	Mean	Max
N=21	(%)	(%)	(%)
Total	17	41	83
Counted	1	24	48

Note: Soil limit is 25%

Early Results

- Soil disturbance within areas of inordinate disturbance



	Mean
N=14	(%)
Total	32
Counted	20

What's New for 2008

- ▶ The 2007 Aerial Photo flying program was very successful. We acquired photos for over 80 cutblocks in 18 forest districts
- ▶ Our training model has evolved. During 2008-2009 we will have our Training/Mentoring Contractors handle all aspects of training and mentoring

What's New for 2008

- ▶ Each of the three members of the training/mentoring contracting team has been assigned a ministry region
- ▶ We plan to offer a more personalized training in 2008
- ▶ Each of the three contractors will hold training sessions in forest district offices. We believe this will result in each of the Stewardship Foresters receiving a more intensive and more worthwhile training

What's New for 2008

- ▶ We will be offering these training and mentoring services to 9 of the 18 forest districts for which we have aerial photos from the 2007 flying program
- ▶ We are planning to offer training and mentoring services during 2008-2009 in the following 9 forest districts:
 - (NIR) Mackenzie, Kalum, and Nadina
 - (SIR) Chilcotin, 100 Mile House, and Arrow-Boundary
 - (CFR) South Island, Campbell River, and Queen Charlotte Islands
- ▶ To ensure we meet our commitment to training we plan to offer training and mentoring services during 2009-2010 to the 9 forest districts that still remain from the 2007 flying program:
 - (NIR) Vanderhoof, Prince George, and Ft. Nelson
 - (SIR) Columbia, Kootenay Lakes, Cascades, Rocky Mountain, and Quesnel
 - (CFR) Chilliwack