



2010 Annual Report

New Developments

Staff Changes

2010 saw major changes in the staffing at the Malcolm Knapp Research Forest. Rick St. Jean retired as Operations Manager in November after 46 years of service at the Forest. He began his career working under Jack Walters on the many research projects that Walters supervised on mechanized silviculture. Rick oversaw many of the trials of bullet planting as well as aerial fertilization and planting that took place on the Knapp Forest in the 1960's. He was also involved in the development of technology for aerial cone harvesting. As Operations Manager since 1991, Rick was responsible for all construction and maintenance of the forest infrastructure and utilities. By then, he had amassed a wealth of knowledge about the land base and was commercially harvesting trees that he planted at the beginning of his career.

2010 Forest staff - from left: Cheryl Power, Sarah Panagiotou, Rick St. Jean, Ionut Aron, Paul Lawson



Rick will be missed as we move forward, and it will be extremely difficult to find an individual with his combination of talents and expertise to serve as a replacement.

June 2010 saw the passing of Jan Harper. Jan was on staff at the Knapp Forest for 9 years as Health and Safety Coordinator and Receptionist. Jan clearly loved her job, and her infectious good humour and welcoming charm helped to make many guests to the forest feel welcome and appreciated. The forest staff join with her family in grieving her passing.



Jan Harper at work, 2007

Operations

2010 harvesting at MKRF (Woodlot W0037 had no harvest in 2010) is summarised below:

Silviculture system	Area (ha)	Volume harvested (m ³)
Clearcut	7.3	5,499
Clearcut with reserves	6.9	3,406
Variable Retention	0	0
Patch cut	0	0
Salvage/cleanup	0	391
Commercial thinning	10.0	3,340
Roads/utilities	0	0
Total	24.2	12,636

Poor market conditions for logs and commodity products necessitated a major cutback of our harvesting program in 2010. Total volume harvested was reduced by almost 60% from 2009. Our main strategy was to concentrate on producing value added products. Cedar poles, hemlock piling, house logs and timbers were major target products, as well as sawlogs for the MKRF sawmill.

Our commercial thinning program was maintained in 2010, but was limited to a relatively small volume due to market conditions. Commercial thinning is an



Rick St. Jean with prototype of the aerial cone harvester, 1975.

essential activity in our overall silvicultural strategy of producing high value products at longer than conventional rotations.

Harvest methods employed were exclusively ground based.

Sawmill production totalled over 350,000 board feet in 2010. No new road was constructed in 2010.

Silviculture

Our 2010 silviculture program focussed on stand establishment, including deer protection and brushing. Douglas-fir, western redcedar, yellow cypress, white pine, amabilis fir, and red alder were planted. A summary of silviculture achievements is as follows:

Silviculture activity	Hectares	Trees
Planting	41.3	61,680
Brushing	6.0	-
Deer protection	2.8	-
Juvenile spacing	-	-
Surveys	88.4	-
Total	138.5	

For more information, please contact Cheryl Power

Education and Extension

2010 was another busy year for education on the Forest. 30 UBC students attended the annual Spring Field School at Loon Lake in April. Conservation Field School was also held at the forest in October and was attended by 28 students.

School programs and recruitment activities continued in 2010.

In total, over 6,000 K-12 students stayed at Loon Lake or participated in forestry and conservation curriculum and recruitment activities at MKRF during the year. MKRF hosted professional training events for the Chinese State Government and the Indian Forest Service, as well as classes from BCIT, SFU and Selkirk College.

Loon Lake Research and Education Centre

Loon Lake hosted its seventh Camp Goodtimes in conjunction with the Canadian Cancer Society and recorded over 19,903 overnight stays in 2010 – almost breaking last year's record.



Loon Lake staff; Sylvia Dekker and Brenda Wigglesworth.

Guests at Loon Lake this year included Langara College, BC Persons with AIDS, University of Washington, Mountain Equipment Co-op, Western Red Cedar Lumber Association, and the UBC Presidents Office, as well as many other educational and corporate groups.

Research

13 research projects were initiated in 2010 bringing the total number of active projects to 97. In total, 903 projects have been initiated since the forest was dedicated in 1949. Highlights of the program were:

- A Douglas-fir full-sib progeny trial
- Predicting moisture and ash content of woody biomass using visible light
- UBC Research Forests Carbon Sequestration Study
- A study of CO² Emissions from streams

We continued to maintain and improve access and signage for several major projects on the Forest, ensured updating, security and accessibility of research projects data through the Research Projects Database (www.rpd.forestry.ubc.ca).

For more information, please contact Ionut Aron.

Staff Contacts

Paul Lawson, RPF,
Manager
(paul.lawson@ubc.ca)

Cheryl Power, RPF,
Resident Forester
(cheryl.power@ubc.ca)

Ionut Aron, MF, Research
Coordinator
(ionut.aron@ubc.ca)

Sarah Panagiotou, Manager of Administration
(sarah.panagiotou@ubc.ca)

Karim Farahbakhchian, Manager, Loon Lake
Research & Education Centre (loon.lake@ubc.ca)
website: www.loonlake.forestry.ubc.ca

Doug Woods, Sawmill Manager
(gallant.mill@ubc.ca)

website: www.gallant.forestry.ubc.ca