



B.C. Wood Specialties

The Vancouver 2010 Olympic and Paralympic Winter Games showcased B.C. wood products, wood construction techniques and advanced wood engineering and design. The Richmond Olympic Oval, with its unique, all-wood roof highlights the range of standard materials available directly from British Columbia mills.

Its construction used one million board feet of spruce-pine-fir commodity dimension lumber, 19,000 sheets of Douglas-fir plywood in the roof panels and one million board feet of Douglas-fir lam stock lumber in the glulam beams.

For more on B.C. forest products see the chart below.

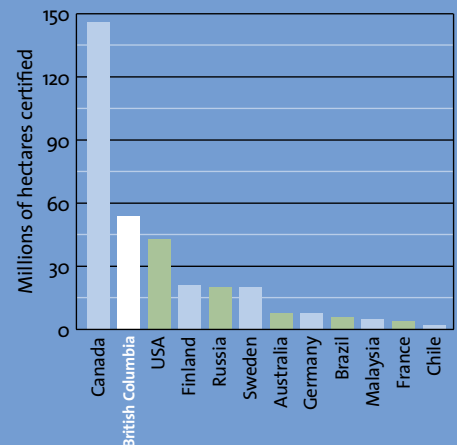
Commodities such as solid wood and pulp are key B.C. wood products, but the future also holds the promise of new products and new services – whether bioenergy, bio-chemicals, or new high-value building products.

For information on British Columbia certification by area and type see www.certificationcanada.org/maps/bc.php and for an overview relating to certification see www.naturallywood.com/Sustainable-Forests/Third-Party-Certification.aspx

British Columbia Forest Products

Type	Typical Products		
Commodity	Boards Chips Hog fuel	Panels Plywood Pulp and paper	Shakes and shingles Standard dimensional lumber
Traditional Value-added	Art Cabinets and furniture Dissolving pulps (leads directly to biochemicals and materials like rayon)	Glulam Laminated veneer lumber (LVL) Log/timber homes Mouldings Pallets & boxes	Posts & poles Tall oil Treated lumber Windows & doors Wood I-joists

Area Certified in British Columbia compared with the World (January 2009)



Canada has 91 per cent of its original forest cover, more than any other country, and its rate of deforestation has been virtually zero for more than 20 years.

Source: Forest Products Association of Canada

Forest sustainability is a guiding principle in the management of B.C. forests. Certification and chain of custody are playing increasing roles in the production and marketing of B.C. wood products. The province is a world leader in third-party forest certification.

In September 2010, British Columbia had 54 million hectares (more than 133 million acres) certified using at least one of three

third-party certification programs. B.C. has more certified land than any other jurisdiction in the world, except for Canada as a whole.

Within B.C. three major certification standards are used: Canadian Standards Association (CSA), Forest Stewardship Council (FSC) and Sustainable Forestry Initiative (SFI).



Next Generation Manufacturing

Alternative energy products - wood pellets, ethanol, bio-diesel, xylose, syngas

Engineered wood products - cross-laminated timbers, high strength and stiffness composite lumber products, high strength and stiffness hybrid engineered wood products, new fibre-polymer composite wood products

New building systems

Under Development and of Interest to B.C.

Hemicellulose separation from chips to produce furfural

Methanol capture during pulping to make chlorine dioxide, commercial grade methanol and as an input to make dimethyl ether

Resins and carbon fibres from lignin