

when those old surveys were done with old technology, untrained staff, and wooden survey posts with a limited life expectancy, as opposed to the metal posts we use now.

Most Notaries will recognize the involvement of land surveyors in subdivisions, easements, rights of way, repostings, mortgage surveys, etc.

My practice also does a lot of topographical surveys. Some are on building sites, so that an architect can design a house to fit the lot. We also do topographical surveys on raw land so the engineering design can be done for road design and sewer design, etc.

Other topographical surveys are done on gravel stockpiles, to determine the volume of gravel in each pile. Others are done on raw land in gravel pits before and after the excavation, to determine how much gravel has been extracted from an area. We also do yearly topographical surveys on the Land Fill in Sechelt to see how much garbage has been placed there during the previous year. In those two instances, our computer software compares the before-and-after topographical surveys and computes a volume.

Recently, we have worked on four independent power projects where the proponents have installed run-of-the-river hydro-electric generating plants. These are generally in somewhat inaccessible areas that require different access logistics: float planes, helicopters, or just plain slugging

it up steep mountainsides carrying a lot of equipment.

These projects usually require topographical surveys along penstock routes and in and beside creeks and lakes. These all require their own safety considerations. Once the project is complete, the right of way for the penstock must be surveyed and Crown land surveys done on the power house and intake locations, etc.

Some of the negatives include travel logistics, weather conditions, and keeping electronic survey equipment in good working order. These all must be taken into account on a daily basis and the jobs done in a certain order, to provide the best working relationship with them all. The positives of land surveying far outweigh the negatives, however.

As well, I have made many good friends of land surveyors all across Canada as well as architects, engineers, foresters, lawyers, and many Notaries Public throughout British Columbia. ▲

Robert Allen is a British Columbia Land Surveyor and a Canada Lands Surveyor. He is a past president of the Corporation of Land Surveyors of the Province of British Columbia and a past president of the Association of Canada Lands Surveyors. Robert has served on numerous committees for both Associations and continues to take an active role in both of them.



Crown land survey in Narrows Inlet: Dan Fennings at the total station (similar to a theodolite) with GPS set up for additional control

World Events 100 years ago in 1905

The British Columbia Land Surveyors Act 1905 is enacted and comes into force.

The Butcharts begin working on their Japanese Garden addition at Butchart Gardens, Victoria, BC.

Neil MacDermid is carried aloft in Canada by a large box kite named *The Siamese Twins*, designed by Alexander Graham Bell.

Wilbur Wright makes a flight of 24.2 miles (39 km) in Flyer III. The flight lasts almost 40 minutes.

Albert Einstein publishes his Photoelectric Effect and Brownian Motion theories.

Huckleberry Finn and *Tom Sawyer* are banned from the Brooklyn Public Library as a "bad example."

Albert Einhorn introduces Novocaine, a local anesthetic.

The Russian Revolution of 1905 begins when troops fire on a defenceless group of demonstrators in St. Petersburg. Strikes and riots follow.

The Treaty of Portsmouth sees the Conclusion of the Russo-Japanese War. It is signed September 5, 1905, at Portsmouth, New Hampshire.

Las Vegas is born.

Births

Actresses: Thelma Ritter; Anna May Wong; Myrna Loy; Dolores del Rio; Greta Garbo; Clara Bow

Actors: Franchot Tone; Robert Donat; Joseph Cotten; Henry Fonda; Joel McCrea

Writers: Ayn Rand; Lillian Hellman

Singer: Tex Ritter