



NSCRS Personnel Updates

As of January 2020, the Nova Scotia Coordinate Reference System (NSCRS) is being managed by Maciej Bazanowski (Senior Geodetic Engineer) and Lee Chaulk (Senior Program Administration Officer).

Maciej Bazanowski has more than 15 years of experience in geodetic engineering and mining surveying. His expertise is in the use of Global Navigation Satellite Systems (GNSS) in the design of control deformation networks. Maciej has masters' degrees from AGH University of Science and Technology (Krakow, Poland) and University of New Brunswick (Fredericton, Canada). Maciej received a doctoral degree from Wroclaw University of Science and Technology (Wroclaw, Poland).

Lee Chaulk is a Geodesy and Geomatics Engineer, Nova Scotia Land Surveyor and Canada Lands Surveyor who attended the Centre of Geographic Sciences (2004–2006) and the University of New Brunswick (2006–2009). Lee has over 10 years experience as an Engineer and Land Surveyor in the offshore oil and gas sector throughout North America and has practiced land surveying in the province of Nova Scotia.

Maciej and Lee make up the NSCRS team managing all components of the NSCRS including 40 Nova Scotia Active Control Stations (NSACS), Nova Scotia High Precision Monuments (NSHPN) and the various other components which make up the NSCRS.

Lawrencetown (LTWN) Active Control Station Move

As of 22 December 2020, the LTWN Active Control Station (ACS) has been decommissioned and replaced by the new Active Control Station, LTW2. The LTWN ACS was relocated due to signal blockages and potential for multipath due to a recent addition onto the building. The new ACS site was relocated to the opposite side of the existing building to minimize any blockages and sources for multipath.

Official NAD83(CSRS)2010.0 v6 ACS coordinates can be found on the GeoNOVA website.

Active Control Stations Maintenance Campaign

In the fall of 2020, a maintenance campaign was completed at 18 Active Control Station (ACS) locations in southwest Nova Scotia and Cape Breton. Each site was thoroughly inspected to ensure monument stability, backup batteries hold sufficient charge, all hardware is operational, firmware is up to date, primary and backup network connections are fully functional, and connections are properly weatherproofed.

These yearly maintenance campaigns are critical to ensure that ACS sites are providing users and service providers with consistent and stable GNSS data and corrections.

Spring NSHPN Adjustments

The Nova Scotia High Precision Network (NSHPN) was expanded by 73 monuments. This expansion includes 71 existing NSCMs which were previously part of the NSCCS network and 2 new HPN monuments which were added on bridge abutments throughout the province through the cooperation from various Engineering & Survey Technicians (EST) at the Department of Transportation and Active Transit. This adjustment was completed in the Spring of 2020.

A Spring of 2021 adjustment is underway. This is expected to be released in May of 2021. Please continue to upload any observations of NSCMs and NSHPNs using the Coordinate Referencing Viewer. If you have any questions regarding NSCM/NSHPN observations and uploading of data, contact NSCRS team at geoinfo@novascotia.ca.

COMING SOON - A Mobile Version of Coordinate Referencing Viewer

Thanks to user feedback, the Coordinate Referencing Viewer is being developed for use on mobile platforms such as smart phones and tablets. Launch date is expected later in 2021.



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