

CIRCULAR LETTER NO. 483

December 16, 2019

TO ALL BRITISH COLUMBIA LAND SURVEYORS

Re: Metro Vancouver High Precision Network - New and Adjusted Monuments

The coordinate control monument listings for the following **Integrated Survey Areas** within the Metro Vancouver Regional District (MVRD) and the Fraser Valley Regional District (FVRD) have been updated as a result of the horizontal refresh completed for the High Precision Network (HPN) monuments as detailed in the recent [bulletin](#)¹ posted on the GeoBC Website. Only the monuments directly observed during this project will have revised horizontal coordinates, all other coordinates for existing passive monuments in these ISAs remain unchanged. 27 of the monuments observed previously only had approximate horizontal coordinates, which will be upgraded to high precision GNSS-derived coordinates as a result of this project.

An updated datum tag has been implemented in MASCOT on all points within the MVRD, resulting in a change from GVRD to MVRD to reflect the current name of the region; please refer to updated Circular Letter 463A for further details.

The new coordinate listings are the result of a horizontal adjustment of new GNSS observations of the HPN conducted between 2016 - 2019. Vertical coordinate values for all points remain unchanged, as this is a purely horizontal adjustment. There are 407 monuments included in this adjustment, some of which fall outside of official ISA boundaries but are part of the overall control network. 56 of the monuments observed have changes greater than 1.5cm, with the largest change being 10cm. Users of the Metro Vancouver GNSS streaming and post-mission corrections service should take note that the coordinates of Active Control Point(ACP) BCLC has been adjusted by 12mm, while the other ACP coordinates in the region remain unchanged. Consult the BCLC information sheet on the [Metro Vancouver Active Control points map](#)² for further details.

MVRD:

ISA No. 1 Surrey
ISA No. 13 Delta
ISA No. 14 Coquitlam
ISA No. 16 North Vancouver District
ISA No. 18 Richmond
ISA No. 25 Burnaby

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¹ <https://www2.gov.bc.ca/gov/content/data/geographic-data-services/georeferencing/survey-control-operations/mvrd-hpn-2d>

² <https://www2.gov.bc.ca/gov/content/data/geographic-data-services/georeferencing/bcacs/active-control-points/metro-vancouver>

ISA No. 31 Vancouver
ISA No. 35 Port Moody
ISA No. 36 Maple Ridge
ISA No. 41 Langley Township
ISA No. 44 North Vancouver City
ISA No. 45 Langley City
ISA No. 49 New Westminster

FVRD:

ISA No. 24 Abbotsford

The updated coordinate control monument listings have been published in an electronic format under the authority of section 13(5) of the *Land Survey Act* and are available for viewing or download from the Surveyor General Practice Info section of the LTSA website under **Integrated Survey Area Program**. This web page displays a table of all Integrated Survey Areas in numerical order. The ISA number provides a link to the respective coordinate control monument listing.

An electronic map of the location and extent of all Integrated Survey Areas is published in the *ParcelMap BC Search for Land Surveyors* view on myLTSA under the authority of section 13(1) of the *Land Survey Act*. ParcelMap BC shows the location and designation of the coordinate control monuments on the '**Survey Features**' → '**Survey Control**' layer and the boundary of the integrated survey areas on the '**Survey Features**' → '**Integrated Survey Areas**' layer.

A user may also link to the **MASCOT** Survey Control Database to obtain control monument sketches and detailed coordinate information and revision history. To invoke this function within ParcelMap BC, turn on the '**Survey Control**' layer to see the location of all monuments.

Click on the desired monument location; in the Search Results pane on the right side of the screen the monument should be listed by GCM number and when hovered over there is a link to 'Search MASCOT' which will bring up a new page with the GCM number pre-entered for a search in MASCOT.

Legal surveys within Integrated Survey Areas must be integrated according to Rule 2-3 of the Survey and Plan Rules.

Yours sincerely,



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Surveyor General of British Columbia