

Lab - Ordering Maps from NTS & BCGS Indices

Name: _____

Fall 2010

The objective of this lab is to provide students with the resources, skills and knowledge to be able to order maps from the NTS and BCGS mapping systems for an area of interest at the desired scale.

Using Paper-Based Map Indices

- 1) Use the **NTS Map Index** (handed out in class) and provide the map numbers to obtain 1: 250,000 and 1: 50,000 maps of the towns listed below:

Town	1: 250,000	1: 50,000
Hope		
Penticton		

- 2) Use the **BCGS Map Index** that shows the breakout for 1: 20,000 scale maps (the index covers the southern half of BC - handed out in class). Provide the map number to obtain 1: 20,000 maps of the towns listed below:

Town	1: 20,000
Hope	
Penticton	

Use the **92G BCGS Map Index** that shows the breakout for 1: 5,000 scale maps (covers the lower mainland and the Nanaimo area):

- 3) What map number(s) would you order to obtain coverage of **Keats Island** (just west of Bowen Island - looks like a pork chop) at a scale of **1:20,000**?

- 4) What map number(s) would you order to obtain coverage of **Keats Island** at a scale of **1:5,000**?

Using Web-Based Map Indices

Pick a couple of new “small towns”, i.e. not Nanaimo nor the towns chosen previously for the paper-based map indices, and determine the maps required for 1: 250,000 and 1: 50,000 coverage.

Overview of the web-based NTS map index

<http://www.maptown.com/canadiantopographical/bcntsindex.html>:

- ✚ Click on the link above to display a map of BC with the NTS index overlaid
- ✚ **Click on a number** (e.g. 92) to view that primary quadrangle - the letters indicate the 1: 250,000 map options (e.g. 92 G provides 1: 250,000 coverage of the lower mainland and the Nanaimo area of Vancouver Island)
- ✚ **Click on a letter** (e.g. G) to view the 1:50,000 map sheet options - the numbers indicate the 1: 50,000 map options (e.g. 94G/04 covers the Nanaimo area plus Gabriola and Valdez islands)
- ✚ Click on one of the map options to view a preview (and optionally place an order - note, there is obviously no need to actually place an order for this lab).

“Your Towns”	1: 250,000	1: 50,000

Pick a couple of “small towns”, i.e. not Nanaimo nor the towns chosen previously for the paper-based map indices, and determine the maps required for 1: 20,000 coverage.

Overview of web-based BCGS map index <http://www.canadamapstore.com/>

- ✚ This index can be used to order a variety of map products (e.g. digital topog., sensitive ecosystems, (paper) topog. And vegetation)
- ✚ **Simply by clicking the map you can zoom in** to that area - e.g. click on the Nanaimo area on the map 3 times - after the 3rd click the map will be overlaid with an index showing the primary quadrangles (e.g. 092G)
- ✚ **Click on the map a 4th time**, again on the Nanaimo area, and the zoomed in map will display the index for the 1:20,000 map sheets for that area.
- ✚ **Optionally click on the map a 5th time**, and the map will be zoomed into the maximum possible
- ✚ **Type the desired map sheet number** into the order box between steps 2 and 3 and click “GO” (e.g. type 092G011)
- ✚ **Click product name** to view a preview to confirm the map sheet (e.g. click 092G011 TOPO)

“Your Towns”	1: 20,000