

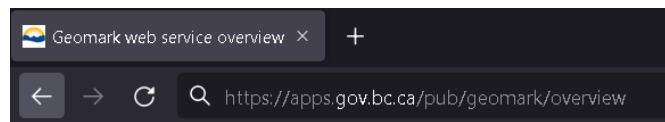
## Create Geomark from Geomarks Tutorial

**General business example** – a small business forest company has created multiple geomark cutblocks using the Geomark Web Service and would like to submit them as a group in one submission to another party.

This option allows the user to create one geomark from multiple original geomarks by pasting the multiple geomark URLs into the address block and then selecting 'Create Geomark'. The newly created geomark will be unique.

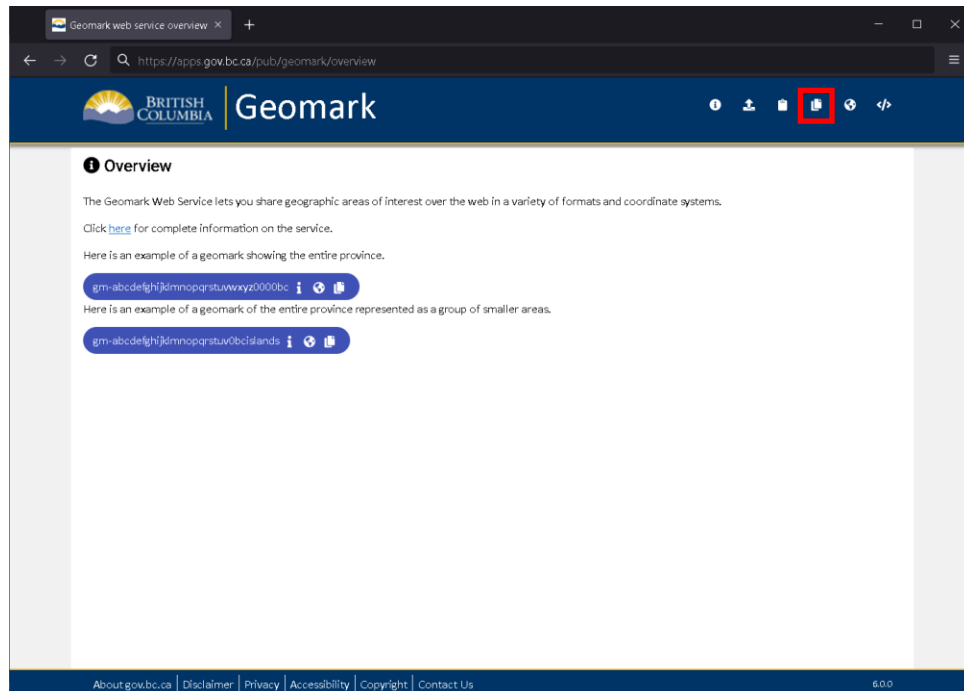
### Step 1

Step 1: Using a modern internet browser, click [here](https://apps.gov.bc.ca/pub/geomark/overview) to view the main Geomark Web Service webpage.



### Step 2

Step 2: Click on the 'Create from Geomarks' button in the top right corner of the screen.



A new form will appear in the window.

The screenshot shows a web browser window with the URL <https://apps.gov.bc.ca/pub/geomark/create/geomarks>. The page header includes the British Columbia logo and the word "Geomark". The main heading is "Create from Geomarks". Below this, there is a "General business example" section and a paragraph explaining the "Create Geomark" option. A link "Click here to access the tutorial." is provided. A red rectangular box highlights the form fields: "Geomark URL(s)\*" (a text input field with placeholder text "Paste a Geomark URL and press enter"), "Allow Overlap" (a checkbox), "Buffer Width (Metres)" (a text input field), "Buffer segments\*" (a dropdown menu set to 8), "Mitre Limit (Ratio)\*" (a dropdown menu set to 5), and "End-cap Style\*" (two dropdown menus both set to Round). A "Create Geomark" button is located below the highlighted fields. The footer contains links for "About.gov.bc.ca", "Disclaimer", "Privacy", "Accessibility", "Copyright", and "Contact Us", along with the version number "6.0.0".

### Step 3

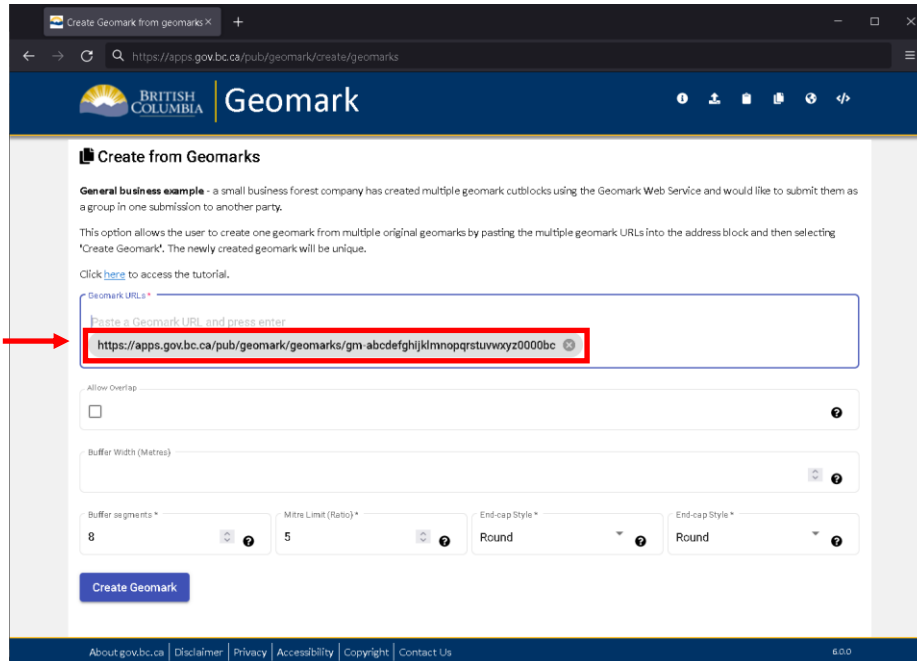
Step 3: Copy and paste the first geomark URL into the textbox labelled 'Geomark URLs' and press enter.

This screenshot is identical to the one above, showing the "Create from Geomarks" form. The red rectangular box now highlights only the "Geomark URL(s)\*" text input field, which contains the placeholder text "Paste a Geomark URL and press enter". All other form elements, including the "Allow Overlap" checkbox, "Buffer Width (Metres)" field, "Buffer segments\*" dropdown (set to 8), "Mitre Limit (Ratio)\*" dropdown (set to 5), "End-cap Style\*" dropdowns (both set to Round), and the "Create Geomark" button, remain unchanged. The footer and page structure are also consistent with the previous image.

## Step 4

Step 4: You may continue to add additional Geomark URLs. Notice the first URL pasted in the address block moves down and the address block is ready for another URL.

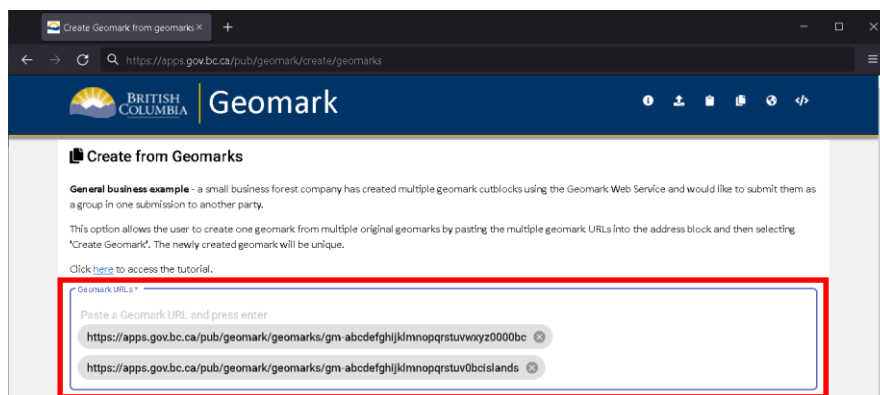
The 1<sup>st</sup> URL moves down the list. The address block is ready for another URL.



The screenshot shows the 'Create from Geomarks' interface. The 'Geomark URLs' section contains a single text input field with the URL 'https://apps.gov.bc.ca/pub/geomark/geomarks/gm-abcdefghijklmnopqrstuvwxyz0000bc'. Below this field are several configuration options: 'Allow Overlap' (checkbox), 'Buffer Width (Metres)' (input field), 'Buffer segments' (dropdown set to 8), 'Mitre Limit (Ratio)' (dropdown set to 5), 'End-cap Style' (dropdown set to Round), and 'End-cap Style' (dropdown set to Round). A 'Create Geomark' button is at the bottom.

## Step 5

Step 5: Paste another geomark URL into the address block. Press enter to continue to add in geomark URLs until finished. There is no limitation to the number of geomarks you can add to the list.



The screenshot shows the 'Create from Geomarks' interface with two URLs in the 'Geomark URLs' list. The first URL is 'https://apps.gov.bc.ca/pub/geomark/geomarks/gm-abcdefghijklmnopqrstuvwxyz0000bc' and the second is 'https://apps.gov.bc.ca/pub/geomark/geomarks/gm-abcdefghijklmnopqrstuvwxyz0000bc'. The interface is identical to the previous screenshot, showing the same configuration options and the 'Create Geomark' button.

## Buffering Shapes

A buffer is a zone around a map feature measured in the units of distance indicated. Example, a buffer width of 100m will result in total distance of 200m or 100m on each side of the line feature. More detailed information regarding buffering shapes can be found in the Geomark Service application.

### Step 6

Step 6: To buffer the polygon, line or point added above, enter the desired buffered distance in metres in the text box provided.

**NOTE: A line or point cannot be converted to a geomark unless a buffer width is entered. All resulting geomarks will NOT store or show the original point, line or polygon.**

Create Geomark from geomarks X +

← → ↺ 🔍 https://apps.gov.bc.ca/pub/geomark/create/geomarks

**Geomark**

### Create from Geomarks

**General business example** - a small business forest company has created multiple geomark cutblocks using the Geomark Web Service and would like to submit them as a group in one submission to another party.

This option allows the user to create one geomark from multiple original geomarks by pasting the multiple geomark URLs into the address block and then selecting 'Create Geomark'. The newly created geomark will be unique.

Click [here](#) to access the tutorial.

Geomark URLs \*

Paste a Geomark URL and press enter

<https://apps.gov.bc.ca/pub/geomark/geomarks/gm-abcdefghijklmnopqrstuvwxyz0000bc> ✕

<https://apps.gov.bc.ca/pub/geomark/geomarks/gm-abcdefghijklmnopqrstuvwxyz0bcislands> ✕

Allow Overlap ☐ ?

**Buffer Width (Metres)**  ?

Buffer segments \*  ?

Mitre Limit (Ratio) \*  ?

End-cap Style \*  ?

End-cap Style \*  ?

**Create Geomark**

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## Step 7

Step 7: When the last URL has been added, click the **'Create Geomark'** button.

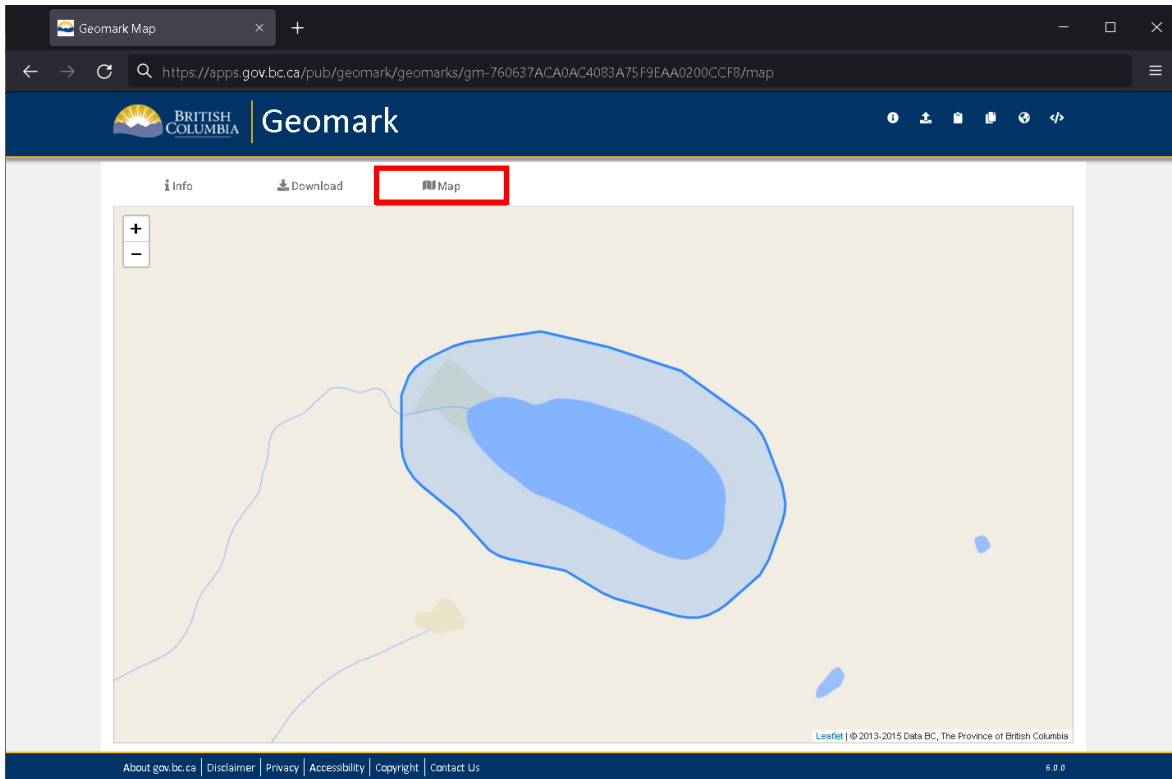
The screenshot shows the 'Create Geomark' page on the British Columbia Geomark website. The page has a blue header with the 'BRITISH COLUMBIA Geomark' logo. Below the header, there is a section titled 'Create from Geomarks' with a 'General business example' and instructions. A text input field labeled 'Geomark URLs' contains two URLs: 'https://apps.gov.bc.ca/pub/geomark/geomarks/gm-abcdefghijklmnopqrstuvwxyz0000bc' and 'https://apps.gov.bc.ca/pub/geomark/geomarks/gm-abcdefghijklmnopqrstuvwxyz0bcislands'. Below this, there are checkboxes for 'Allow Overlap' and a 'Buffer Width (Metres)' input field set to '100'. There are also dropdown menus for 'Buffer segments' (set to 8), 'Mitre Limit (Ratio)' (set to 5), and 'End-cap Style' (set to Round). A red box highlights the 'Create Geomark' button at the bottom left of the form.

The unique geomark link will appear along with the associated geomark report.

The screenshot shows the 'Geomark Info' page for a specific geomark. The URL in the browser's address bar is 'https://apps.gov.bc.ca/pub/geomark/geomarks/gm-760637ACADAC4083A75F9EAA0200CCF8/info', which is highlighted with a red box and labeled 'Geomark Link'. The page has a blue header with the 'BRITISH COLUMBIA Geomark' logo. Below the header, there are tabs for 'Info', 'Download', and 'Map'. The 'Info' tab is selected, showing a 'Click to Copy Geomark URL' button and a list of instructions. A red arrow points from the 'Click to Copy Geomark URL' button to the 'Geomark Link' label. Below the instructions, there is a 'Geomark Report' section, which is highlighted with a red bracket and labeled 'Geomark Report'. The report contains the following information: ID: gm-760637ACADAC4083A75F9EAA0200CCF8, Creation Date: 2022-01-11, Expiry Date: 2022-04-11, Bounding Box (WGS84): -123.347421,51.13561,-123.287025,51.160882, Centroid (lat lon): 51.148748,-123.321225, Geometry Type: Polygon, Geometry Count: 1, Vertex Count: 5, Length: 11.578 km, Area: 775 ha, Minimum Clearance: 2.357 km. At the bottom of the report, there are three green buttons: 'Valid', 'Simple', and 'Robust'.

## Step 8

Step 8: You can view the file you converted to a geomark using the Map tab.



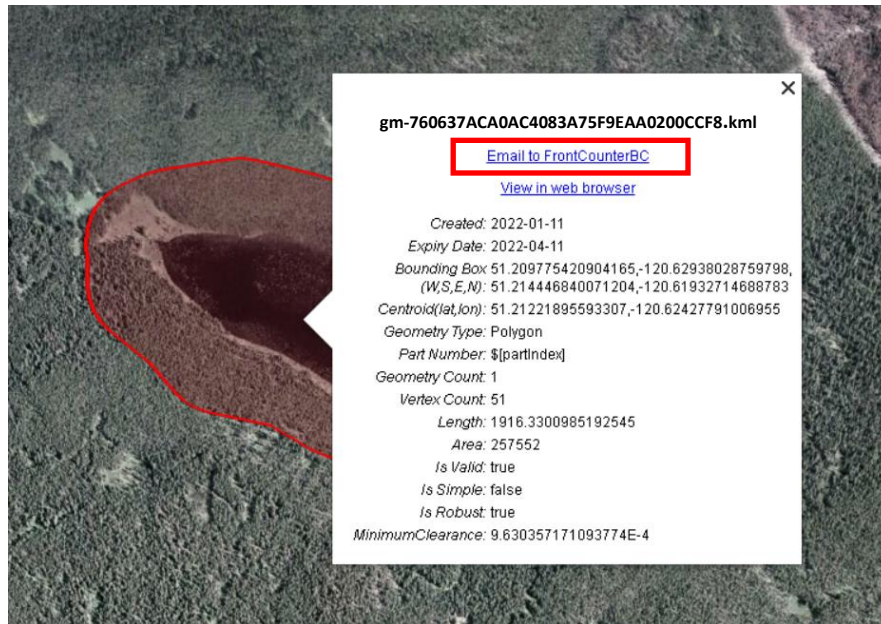
## Step 9

Step 9: Or you can download the geomark into a file format and projection that is more convenient for viewing and / or analysis.

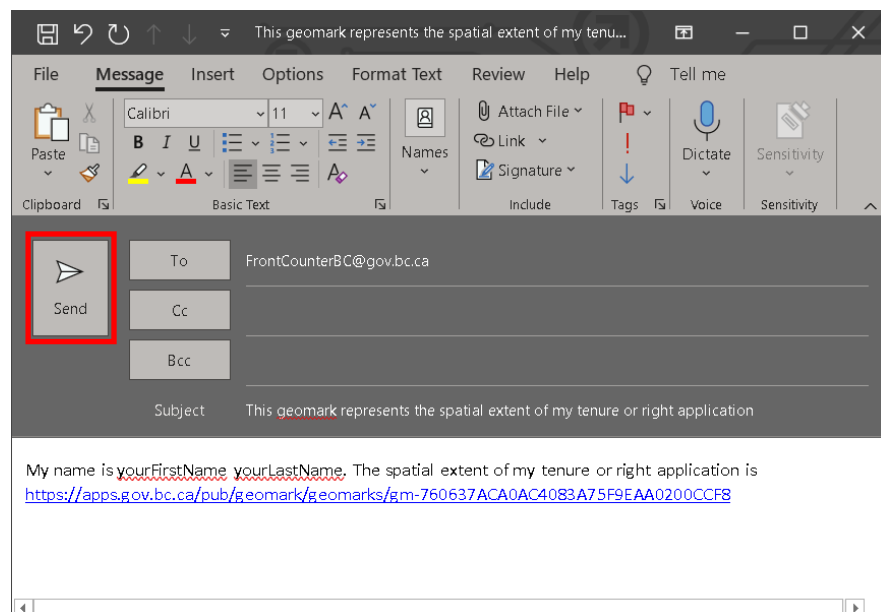
The screenshot shows a web browser window with the address bar displaying the URL: <https://apps.gov.bc.ca/pub/geomark/geomarks/gm-760637ACA0AC4083A75F9EAA0200CCF8/download>. The page header includes the British Columbia logo and the title "Geomark". Below the header, there are three tabs: "Info", "Download", and "Map". The "Download" tab is selected and highlighted with a red box. Inside the "Download" tab, there are three dropdown menus: "FileFormat \*" with the selected value "Google Earth (kml)", "Coordinate system \*" with the selected value "4326 - WGS 84", and "Download Geometry Type \*" with the selected value "Polygon". Each dropdown menu has a question mark icon to its right. Below these dropdowns is a blue "Download" button with a download icon. The footer of the page contains links for "About gov.bc.ca", "Disclaimer", "Privacy", "Accessibility", "Copyright", and "Contact Us", along with the version number "6.0.0".

## Step 10

Step 10: To send an email to FrontCounter BC about your proposed application area download the geomark (Download tab) into KML format. Click on the area of interest in Google Earth and view the information window.



Click on the link labelled as 'Email to FrontCounterBC' and you will be presented with a pre-formatted email template.



Update the email body with information specific to your application and click 'Send'.