

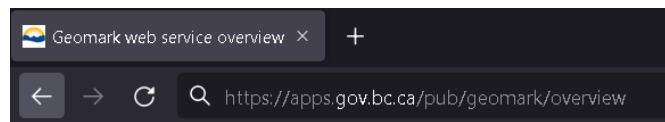
Create Geomark from File Tutorial

General business example – an applicant / user has created an area of interest that needs to be shared with a party that does not support that file type. This enables the file to be changed in a manner that the recipient can use so it is compatible with their computer software.

This option allows the user to upload a shape or other file format into the 'Create Geomark from File' form and convert it to a geomark. There are seven different [file formats](#) that can be uploaded and converted to a geomark.

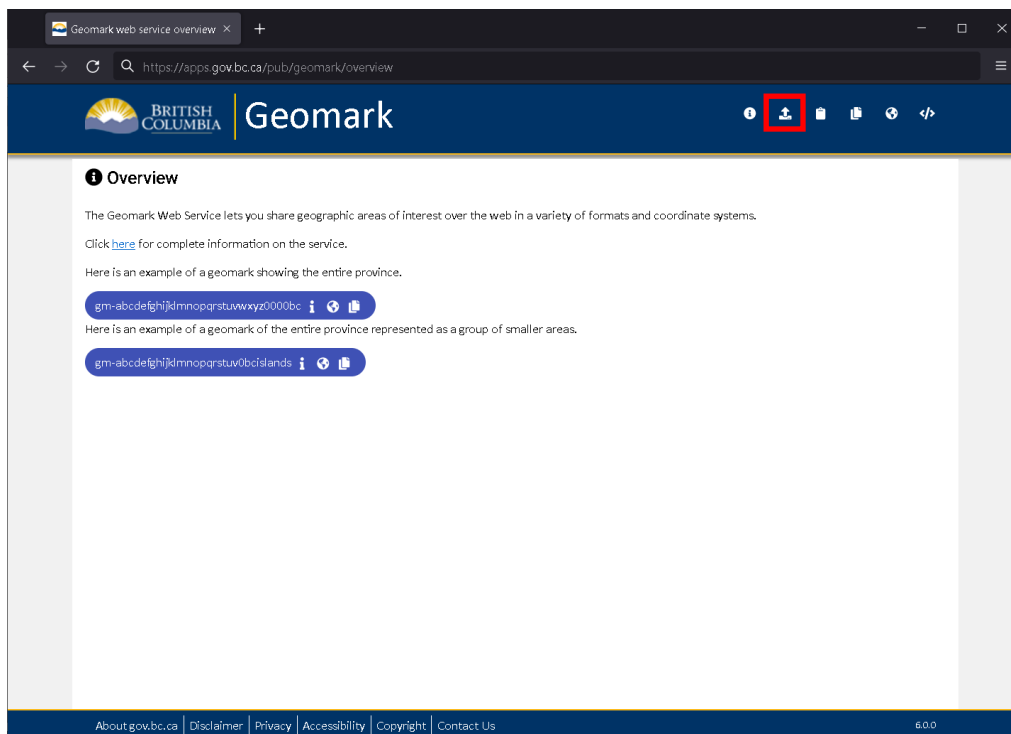
Step 1

Step 1: Using your internet browser, click [here](#) to view the main Geomark Web Service webpage.



Step 2

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



A new form will appear in the window.

Create Geomark from file

https://apps.gov.bc.ca/pub/geomark/create/file

BRITISH COLUMBIA Geomark

Create from File

General business example - an applicant / user has created an area of interest that needs to be shared with a party that does not support that file format or coordinate system. This option enables the file to be uploaded and converted to a geomark so the recipient can download it in a format that is compatible to their computer software.

This option allows the user to upload a shape or other file format into the 'Create Geomark from File' form and convert it to a geomark. There are seven different [file formats](#) that can be uploaded and converted to a geomark.

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

File Format *
Google Earth (.kml)

Coordinate system *
4326 - WGS 84

Geometry type *
Polygon

Geometry count *
One

Allow Overlap
☐

File
Drag & Drop files, or click to add file

Buffer Width (Metres)

Buffer segments *
8

Mitre Limit (Ratio) *
5

End-cap Style *
Round

End-cap Style *
Round

Create Geomark

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6.0.0

Step 3

Step 3: In the drop down box under '**File Format**', select the format of the file you want to convert to geomark. As mentioned above, there are seven different [file formats](#) that can be converted to a geomark.

Create Geomark from file

https://apps.gov.bc.ca/pub/geomark/create/file

BRITISH COLUMBIA Geomark

Create from File

General business example - an applicant / user has created an area of interest that needs to be shared with a party that does not support that file format or coordinate system. This option enables the file to be uploaded and converted to a geomark so the recipient can download it in a format that is compatible to their computer software.

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Buffer Width (Metres)

Buffer segments *
8

Mitre Limit (Ratio) *
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End-cap Style *
Round

End-cap Style *
Round

Create Geomark

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6.0.0

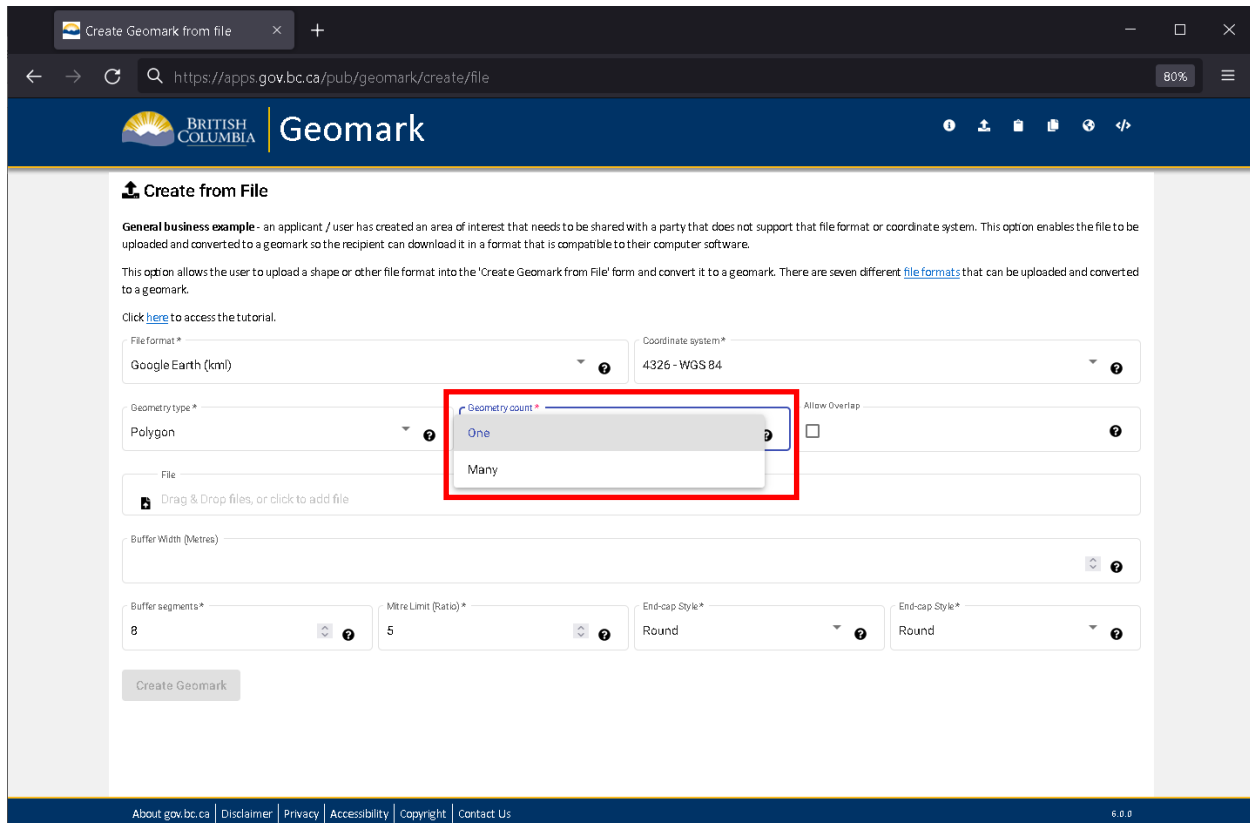
Step 4

Step 4: In the drop down box under '**Coordinate System**', select the [coordinate system](#) of the file you want to convert to geomark. See the Geomark Web Service [FAQs](#) for the link to the definition of a coordinate system.

The screenshot shows a web browser window with the URL <https://apps.gov.bc.ca/pub/geomark/create/file>. The page is titled 'Create from File' and includes a 'Geomark' logo. The form contains several fields: 'File format' (set to 'Google Earth (kml)'), 'Coordinate system' (set to '4326 - WGS 84' and highlighted with a red box), 'Geometry type' (set to 'Polygon'), 'Geometry count' (set to 'One'), 'Allow Overlap' (checkbox), 'File' (drag & drop area), 'Buffer Width (Metres)' (input field), 'Buffer segments' (set to '8'), 'Mitre Limit (Ratio)' (set to '5'), 'End-cap Style' (set to 'Round'), and 'End-cap Style' (set to 'Round'). A 'Create Geomark' button is at the bottom. The footer includes links for 'About gov.bc.ca', 'Disclaimer', 'Privacy', 'Accessibility', 'Copyright', and 'Contact Us', along with the version number '6.0.0'.

Step 5

Step 5: If the file being converted to a geomark contains more than one polygon, select the **'Many'** option (Geometry Count) to pull in **ALL** polygon information otherwise only the first polygon in the file will get converted to a geomark.



The screenshot shows the 'Create Geomark from file' web form. The form includes the following fields and options:

- File Format ***: Google Earth (km)
- Coordinate system ***: 4326 - WGS 84
- Geometry type ***: Polygon (dropdown menu is open, showing 'One' and 'Many' options. A red box highlights the 'Many' option).
- Allow Overlap**: ☐
- File**: Drag & Drop files, or click to add file
- Buffer Width (Metres)**: [Empty field]
- Buffer segments ***: 8
- Mitre Limit (Ratio) ***: 5
- End-cap Style ***: Round
- End-cap Style ***: Round
- Create Geomark** button

At the bottom of the page, there is a footer with links: [About gov.bc.ca](#), [Disclaimer](#), [Privacy](#), [Accessibility](#), [Copyright](#), [Contact Us](#), and a version number 6.0.0.

Step 6

Step 6: Drag a file to the textbox labelled '**File**'. Alternatively, click this textbox and navigate to the file in your directory that you want to convert to geomark. If converting a 'Shapefile' to a geomark, select the .shp file in your directory.

The screenshot shows the 'Create Geomark from file' web form. The 'File' input field, which contains the placeholder text 'Drag & Drop files, or click to add file', is highlighted with a red rectangular box. Other form fields include 'File format' (Google Earth (.kml)), 'Coordinate system' (4326 - WGS 84), 'Geometry type' (Polygon), 'Geometry count' (One), 'Allow Overlap' (checkbox), 'Buffer Width (Metres)', 'Buffer segments' (8), 'Mitre Limit (Ratio)' (5), 'End-cap Style' (Round), and 'End-cap Style' (Round). A 'Create Geomark' button is located at the bottom of the form.

Once the file has been selected, the file path will appear in the designated text box.

The screenshot shows the same 'Create Geomark from file' web form, but now the 'File' input field contains the file path 'gm-07EA271F991A4D538439F23A1516F288.kml (4 KB)' and is highlighted with a red rectangular box. The rest of the form fields and the 'Create Geomark' button remain the same as in the previous screenshot.

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 7

Step 7: 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.

The screenshot shows the 'Create Geomark from file' web application. The interface includes a header with the British Columbia Geomark logo and a navigation bar. The main content area is titled 'Create from File' and contains a 'General business example' section. Below this, there are several input fields and a 'Create Geomark' button. The 'Buffer Width (Metres)' input field is highlighted with a red rectangle and contains the value '100'. Other visible fields include 'File Format' (Google Earth (kml)), 'Coordinate system' (4326 - WGS 84), 'Geometry type' (Polygon), 'Geometry count' (One), 'Allow Overlap' (checkbox), 'File' (gm-07EA271F991A4D538439F23A1516F288.kml (4 Kb)), 'Buffer segments' (8), 'Mitre Limit (Ratio)' (5), 'End-cap Style' (Round), and 'End-cap Style' (Round).

Step 8

Step 8: Click the 'Create Geomark' button.

Create Geomark from file

General business example - an applicant / user has created an area of interest that needs to be shared with a party that does not support that file format or coordinate system. This option enables the file to be uploaded and converted to a geomark so the recipient can download it in a format that is compatible to their computer software.

This option allows the user to upload a shape or other file format into the 'Create Geomark from File' form and convert it to a geomark. There are seven different [file formats](#) that can be uploaded and converted to a geomark.

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

File format *
Google Earth (.kml)

Coordinate system *
4326 - WGS 84

Geometry type *
Polygon

Geometry count *
One

Allow overlap
☐

File
gm-07EA271F991A4D538439F23A1516F288.kml (4 kb)

Buffer Width (Metres)
100

Buffer segments *
8

Mitre Limit (Ratio) *
5

End-cap Style *
Round

End-cap Style *
Round

Create Geomark

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

Geomark Info

https://apps.gov.bc.ca/pub/geomark/geomarks/gm-8BE8DABB6DE44130975D690577A030EB/info

Click to Copy Geomark URL then save the link to access this geomark in the future.

- You can access this geomark in the [formats and coordinate systems](#) of your choice.
- This geomark can be shared with anyone on the web by simply sending them the saved link.
- The list of all geomarks is kept secret. Sharing is up to you.
- Geomarks are tamper-proof. They can't be changed once created.

ID
gm-8BE8DABB6DE44130975D690577A030EB

Creation Date
2022-01-11

Expiry Date
2022-04-11

Bounding Box (WGS84)
-120.367367,50.699354,-120.363711,50.701493

Centroid (lat,lon)
50.700411,-120.36558

Geometry Type
Polygon

Geometry Count
1

Vertex Count
39

Length
800.292 m

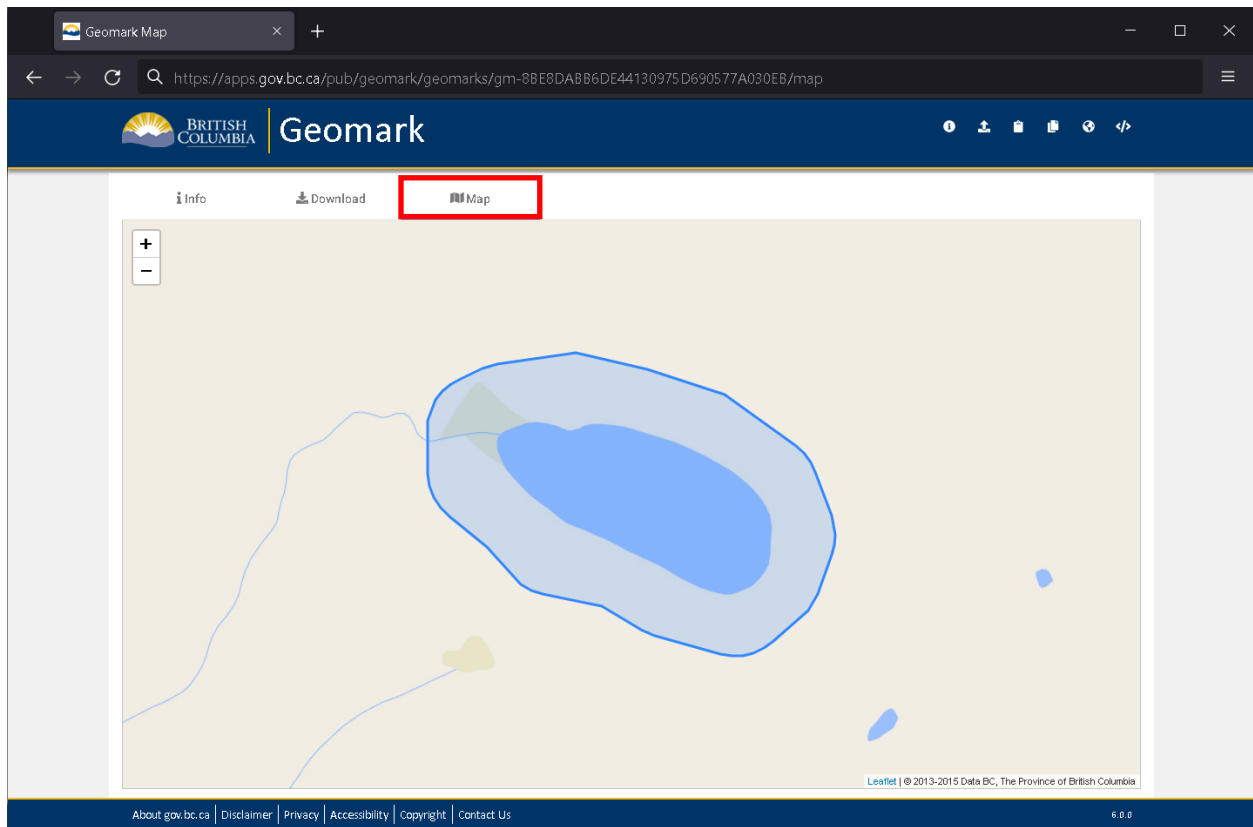
Area
50.146 m²

Minimum Clearance
13.575 m

Valid Simple Robust

Step 9

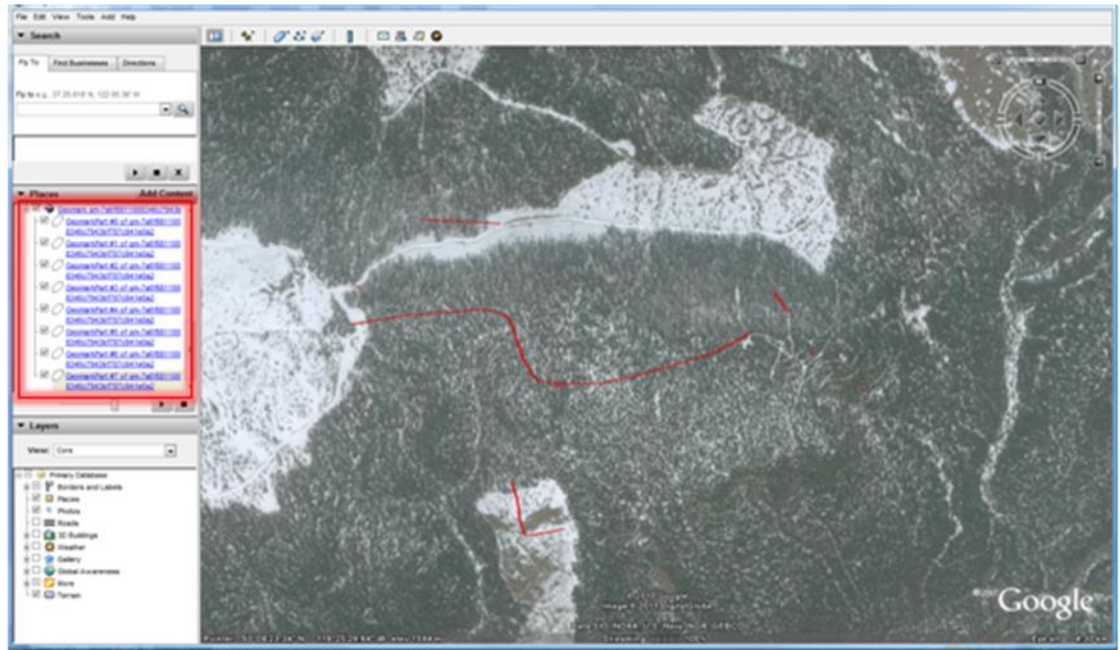
Step 9: You can view the file you converted to a geomark using the Map tab.



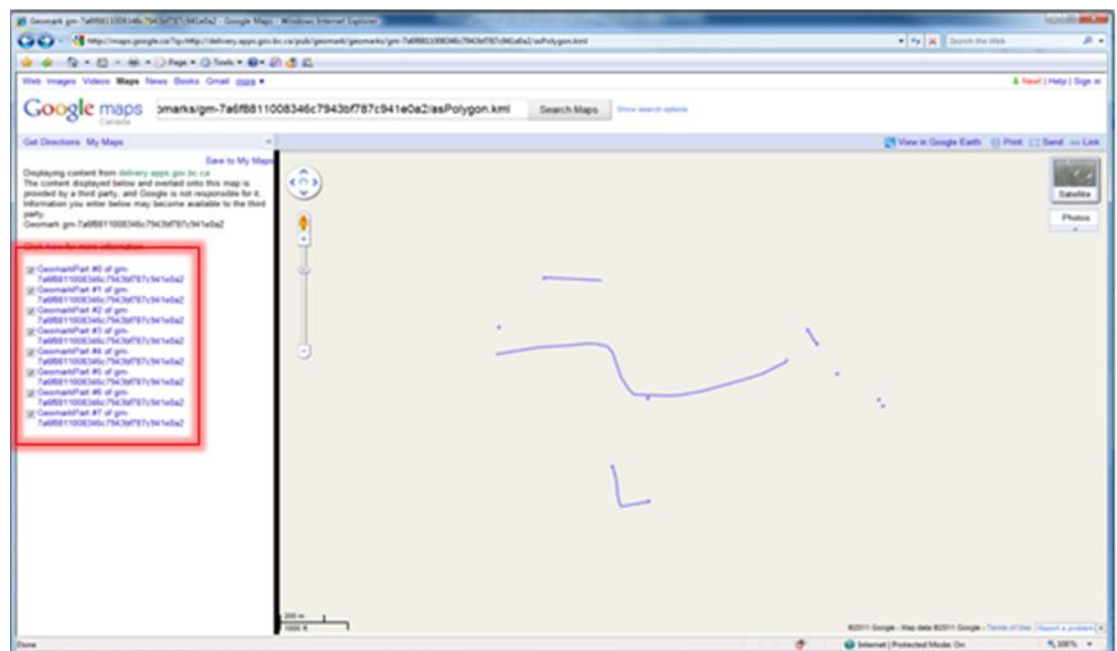
NOTE:

If your file contains multiple polygons and a geometry count of 'many' was specified, the result will show all the polygons included in the file.

Google Earth and Google Maps Results:



Notice all 8 polygons are listed in the Table of Contents.

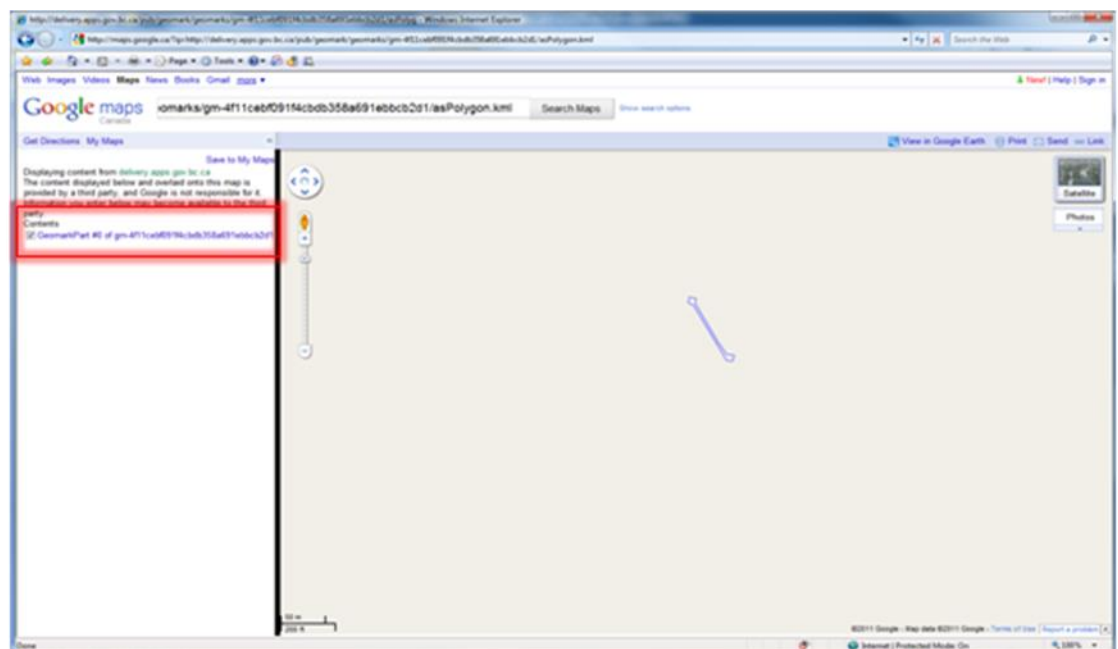


If your file contains multiple polygons a geometry count of 'many' was not specified, a geomark will be created from the first polygon only.

Google Earth and Google Maps Results:

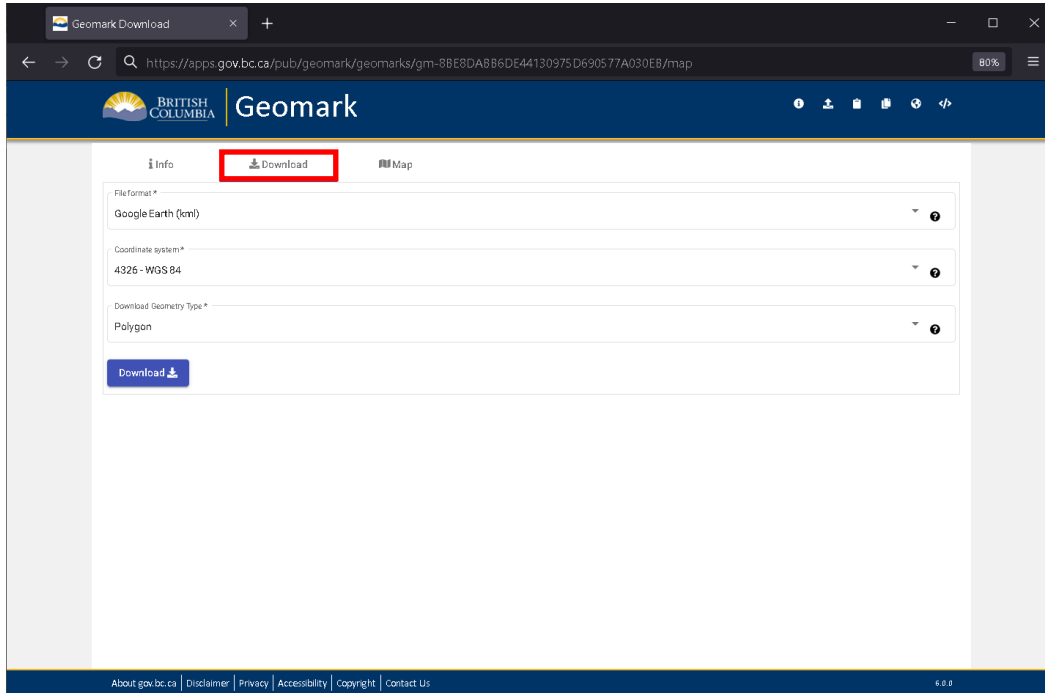


Only 1 polygon is listed in the Table of Contents.



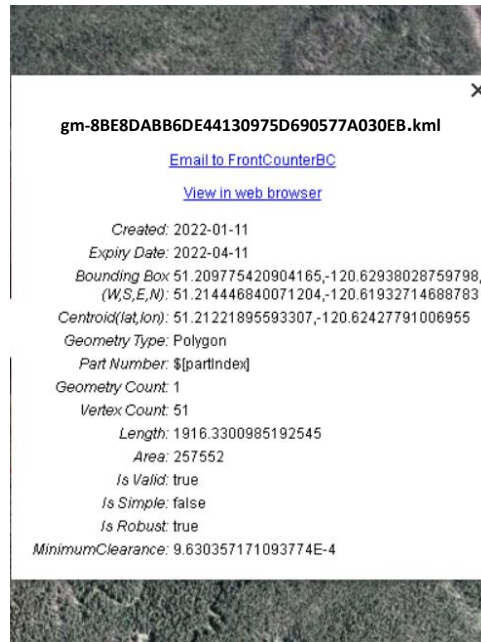
Step 10

Step 10: Or you can download the geomark into a file format and projection that is more convenient for viewing and / or analysis.

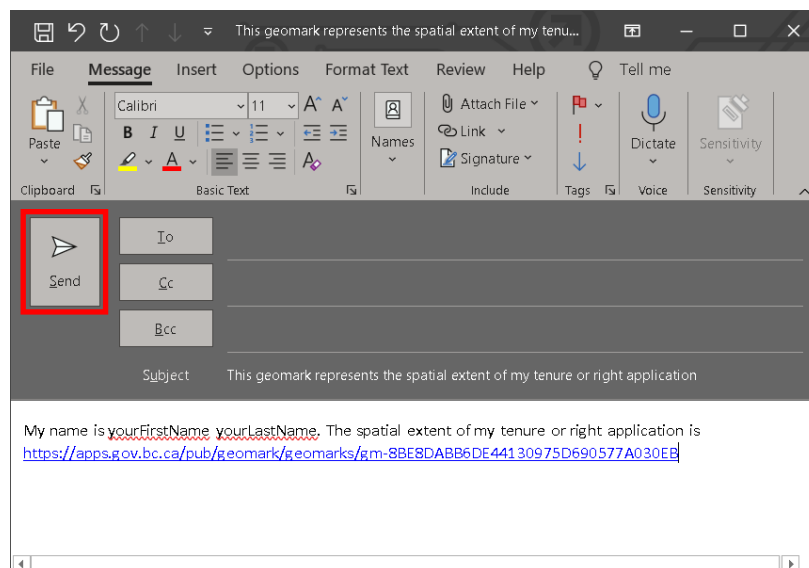


Step 11

Step 11: 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'.