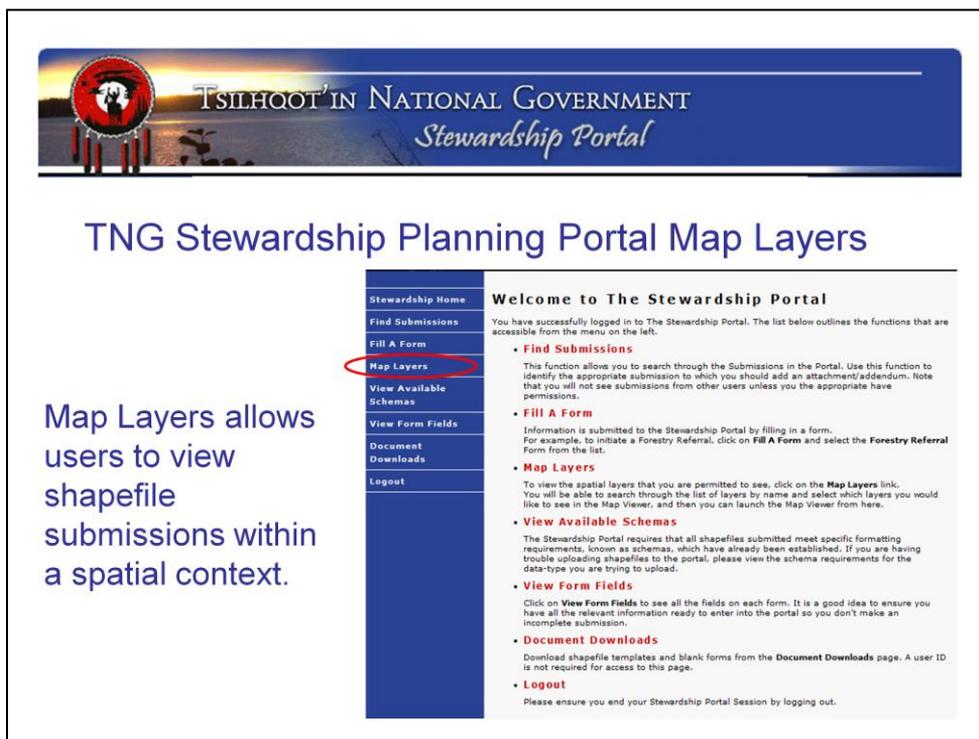




# TNG Stewardship Planning Portal 2.0

Introductory Map Layer Training  
for New Users  
September 2012



**Tsilhqot'in National Government**  
*Stewardship Portal*

## TNG Stewardship Planning Portal Map Layers

Map Layers allows users to view shapefile submissions within a spatial context.

|                               |   |
|-------------------------------|---|
| <b>Stewardship Home</b>       | <b>Welcome to The Stewardship Portal</b>  |
| <b>Find Submissions</b>       | You have successfully logged in to The Stewardship Portal. The list below outlines the functions that are accessible from the menu on the left:   |
| <b>Fill A Form</b>            | <ul style="list-style-type: none"><li>• <b>Find Submissions</b><br/>This function allows you to search through the Submissions in the Portal. Use this function to identify the appropriate submission to which you should add an attachment/addendum. Note that you will not see submissions from other users unless you have the appropriate permissions.</li></ul>                         |
| <b>Map Layers</b>             | <ul style="list-style-type: none"><li>• <b>Fill A Form</b><br/>Information is submitted to the Stewardship Portal by filling in a form. For example, to initiate a Forestry Referral, click on <b>Fill A Form</b> and select the <b>Forestry Referral Form</b> from the list.</li></ul>   |
| <b>View Available Schemas</b> | <ul style="list-style-type: none"><li>• <b>Map Layers</b><br/>To view the spatial layers that you are permitted to see, click on the <b>Map Layers</b> link. You will be able to search through the list of layers by name and select which layers you would like to see in the Map Viewer; and then you can launch the Map Viewer from here.</li></ul>                                       |
| <b>View Form Fields</b>       | <ul style="list-style-type: none"><li>• <b>View Available Schemas</b><br/>The Stewardship Portal requires that all shapefiles submitted meet specific formatting requirements, known as schemas, which have already been established. If you are having trouble uploading shapefiles to the portal, please view the schema requirements for the data-type you are trying to upload.</li></ul> |
| <b>Document Downloads</b>     | <ul style="list-style-type: none"><li>• <b>View Form Fields</b><br/>Click on <b>View Form Fields</b> to see all the fields on each form. It is a good idea to ensure you have all the relevant information ready to enter into the portal so you don't make an incomplete submission.</li></ul>   |
| <b>Logout</b>                 | <ul style="list-style-type: none"><li>• <b>Document Downloads</b><br/>Download shapefile templates and blank forms from the <b>Document Downloads</b> page. A user ID is not required for access to this page.</li><li>• <b>Logout</b><br/>Please ensure you end your Stewardship Portal Session by logging out.</li></ul>  |

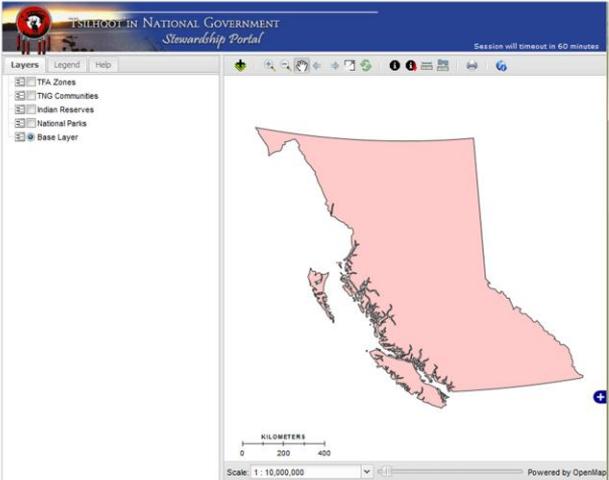
MapLayers is the name of the Program that is used to view all the spatial information loaded into the Portal. You have to have a user account to access map layers.

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*Stewardship Portal*

## TNG Stewardship Planning Portal Map Layers

This is how Map Layers opens with an overview of the province of BC. The Left pane is the table of contents section. Tabs include Layers, Legend, and Help. Layer Tab:  
The default layers that you can click on or off:

- ✓ **TFA Zones**
- ✓ **TNG Communities**
- ✓ **IRs**
- ✓ **National Parks**



A few basic layers of spatial data are available right away when you open Map Layers, but users control the map and add specific information as they require.

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*Stewardship Portal*

## TNG Stewardship Planning Portal Map Layers

Layers Legend Help

**:: Top Toolbar**

- 1 Use this tool to add layers from a variety of sources including Web Map Services or Stewardship Portal Layers. Highlight data to add and click Add Layers.
- 2 Use this tool to zoom in to an area. Click and drag to define area to zoom to.
- 3 Use this tool to zoom out from an area. Click and drag to define area to zoom out from.
- 4 Use this tool to pan around the map. Click and drag to define pan direction.
- 5 Use this tool to zoom to previous extent.
- 6 Use this tool to zoom to next extent.
- 7 Use this tool to zoom to full extent.
- 8 Use this tool to refresh all map layers and reset the session timeout.
- 9 Use this tool to identify/query active layer. Highlight active layer select identify and click on feature.
- 10 Use this tool to drilldown identify/query all visible layers. Click on feature location.
- 11 Use this tool to measure distance and length.
- 12 Use this tool to measure area.
- 13 Use this tool to create a digital file for saving or printing.
- 14 Use this tool to source information about OpenMap framework.

**:: Bottom Toolbar**

To zoom in or out, click on the drop-down menu to select from a list of predefined scales.

Scale: 1 : 6,000,000

**:: Layers Tab**

Layers visible in Maplayers are listed on this tab.

Click on the Layers tab to view and manipulate layers added to the spatial viewing pane.

Click and drag layers up and down in the list to modify the drawing order in the spatial viewing pane.

To add layers click

Select from either BC Government Web Map Services or Stewardship Portal Layers

Use filter field menu windows to define search for data.

Once layers are listed on Layers tab, check or uncheck layers to add or remove from spatial viewing pane.

Right click on individual layers to Zoom to Layer Extent, Refresh Layer, or Remove Layer.

**:: Legend Tab**

Click on the Legend Tab to view symbology for visible layer data.

Click on "Help" Tab to get information about each of the Map Layer function buttons.

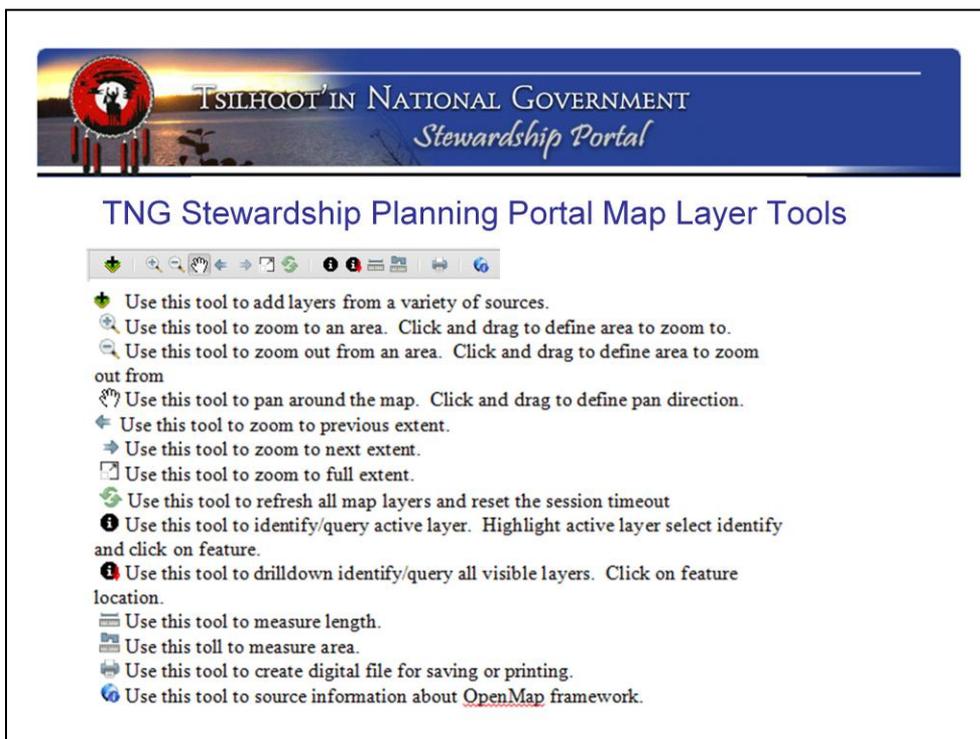
Each of the buttons is defined clearly on the Help Tab within the Table of Contents in the Left pane.



## TNG Stewardship Planning Portal Map Layers

Click on the Legend Tab to view Map Layer Legend. The legend automatically updates to include all layers added to Map Layers, as long as they're checked on in the Left pane. If the layer is "on", it is defined in the legend.





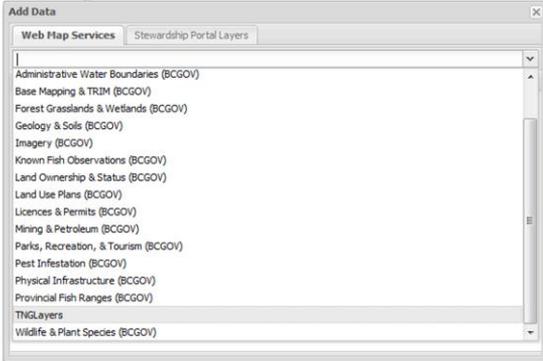
### TNG Stewardship Planning Portal Map Layer Tools

- 1 Use this tool to add layers from a variety of sources.
- 2 Use this tool to zoom to an area. Click and drag to define area to zoom to.
- 3 Use this tool to zoom out from an area. Click and drag to define area to zoom out from
- 4 Use this tool to pan around the map. Click and drag to define pan direction.
- 5 Use this tool to zoom to previous extent.
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- 7 Use this tool to zoom to full extent.
- 8 Use this tool to refresh all map layers and reset the session timeout
- 9 Use this tool to identify/query active layer. Highlight active layer select identify and click on feature.
- 10 Use this tool to drilldown identify/query all visible layers. Click on feature location.
- 11 Use this tool to measure length.
- 12 Use this toll to measure area.
- 13 Use this tool to create digital file for saving or printing.
- 14 Use this tool to source information about [OpenMap](#) framework.

Basic tools are available. These icons are similar to the buttons in a “real-GIS” and basic commands are available to users.



Adding layers:



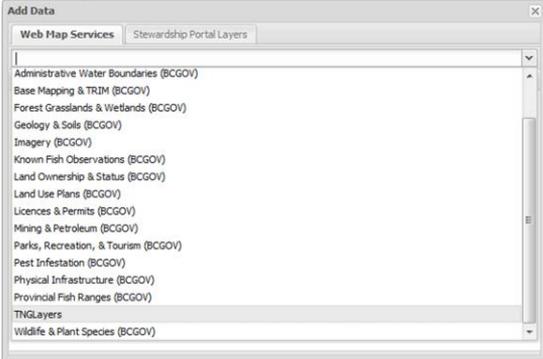
To add additional layers you have two tabs to choose from : **Web Map Services (WMS)** Layers or **Stewardship Portal Layers**



**Adding WMS layers:**

WMS Layers are served through the internet from BC Government Server and from the TNG Server, and contain base information :

- ✓ **1:20 000 TRIM data**
- ✓ **Imagery**
- ✓ **Administrative Boundaries**
- ✓ **Parks**
- ✓ **Forest Tenures etc.**



The screenshot shows a window titled 'Add Data' with two tabs: 'Web Map Services' and 'Stewardship Portal Layers'. The 'Stewardship Portal Layers' tab is active, displaying a list of WMS layers:

- Administrative Water Boundaries (BCGOV)
- Base Mapping & TRIM (BCGOV)
- Forest Grasslands & Wetlands (BCGOV)
- Geology & Soils (BCGOV)
- Imagery (BCGOV)
- Known Fish Observations (BCGOV)
- Land Ownership & Status (BCGOV)
- Land Use Plans (BCGOV)
- Licences & Permits (BCGOV)
- Mining & Petroleum (BCGOV)
- Parks, Recreation, & Tourism (BCGOV)
- Pest Infestation (BCGOV)
- Physical Infrastructure (BCGOV)
- Provincial Fish Ranges (BCGOV)
- TNGLayers
- Wildlife & Plant Species (BCGOV)

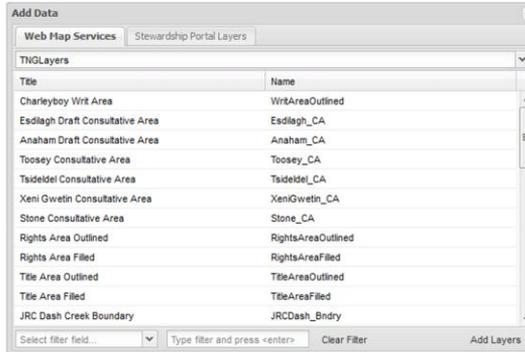
WMS stands for Web-Mapping-Services. WMS is not unique to the Portal... it's a way of delivering spatial information through the internet. Actually, a picture of the spatial information is delivered, not the data itself. Therefore no querying is available for WMS information.



Adding **WMS** Layers cont:

TNG has assembled a variety of “background” layers and serves them up by WMS. TNGLayers contains Tsilhqot'in-specific layers, as well as layers created by TNG's GIS Department:

- ✓ **Draft Consultative Areas**
- ✓ **Xeni Rights & Title Boundaries**
- ✓ **Notice of Intent blocks etc.**



Do not confuse TNGLayers in the Web Map Services tab with information that's submitted into the portal for referrals – they're 2 different things.



### Adding Stewardship Portal Layers layers:

Click on the **“Stewardship Portal Layers”** Tab to add a submission layer – here’s how to view shapefiles submitted to the Portal as part of the requirements of a referral. There are 2 ways to add the Submitted information - **Add by Schema** or **Add by Submission**.

| ID   | Layer Name  | Schema          |
|------|---|-----------------|
| 365  | SID:1023 AID:1140 [Jan 15 2009] A20017_CP809          | forestry_blocks |
| 1084 | SID:1023 AID:3844 [Nov 30 2010] A20017_CP06W          | forestry_blocks |
| 313  | SID:1023 [Oct 03 2008] A20017_CP809                   | forestry_blocks |
| 314  | SID:1029 [Oct 10 2008] a83419-433                     | forestry_blocks |
| 319  | SID:1031 AID:1034 [Oct 14 2008] A84255                | forestry_blocks |
| 398  | SID:1031 AID:1219 [Feb 19 2009] A84255_Expanded_Shape | forestry_blocks |
| 318  | SID:1032 AID:1033 [Oct 14 2008] BCTS_A83421_1-3       | forestry_blocks |
| 320  | SID:1035 AID:1037 [Oct 14 2008] A84829                | forestry_blocks |
| 321  | SID:1038 AID:1039 [Oct 14 2008] A84833                | forestry_blocks |
| 322  | SID:1041 AID:1042 [Oct 15 2008] BCTS_A83422_1         | forestry_blocks |
| 323  | SID:1046 [Oct 23 2008] qvc000-005                     | forestry_blocks |
| 324  | SID:1047 [Oct 27 2008] a83419_431                     | forestry_blocks |



### Adding Stewardship Portal Layers layers: (cont.)

You can view Portal Submission layers by **Schema** or **Submission**. For the most part you will want to view by Submission:  
**You can filter by Layer Name, Schema or Geometry Type to**

| ID   | Layer Name  | Schema          |
|------|---|-----------------|
| 365  | SID:1023 AID:1140 [Jan 15 2009] A20017_CP809          | forestry_blocks |
| 1084 | SID:1023 AID:3844 [Nov 30 2010] A20017_CP08W          | forestry_blocks |
| 313  | SID:1023 [Oct 03 2008] A20017_CP809                   | forestry_blocks |
| 314  | SID:1029 [Oct 10 2008] a83419-433                     | forestry_blocks |
| 319  | SID:1031 AID:1034 [Oct 14 2008] A84255                | forestry_blocks |
| 398  | SID:1031 AID:1219 [Feb 19 2009] A84255_Expanded_Shape | forestry_blocks |
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| 322  | SID:1041 AID:1042 [Oct 15 2008] BCTS_A83422_1         | forestry_blocks |
| 323  | SID:1046 [Oct 23 2008] qvc000-005                     | forestry_blocks |
| 324  | SID:1047 [Oct 27 2008] a83419_431                     | forestry_blocks |

Recall what is a schema? A schema is a “recipe” or “format” describing what information is within a table... so on the screen here you see an ID column that contains numbers, a Layer Name column, that contains lots of text, and a Schema column that contains less text.

The schema for this table would be something like:

ID – integer

Layer Name – text 100 (could hold up to 100 characters)

Schema – text 25.

If you add by Schema, you’re asking the portal to draw all the shapefiles that are Built with the same structure – so all the Forestry polygon shapefiles, or all the TFA point shapefiles at one time. Useful for adjacency, but not when you’re trying to examine one referral.

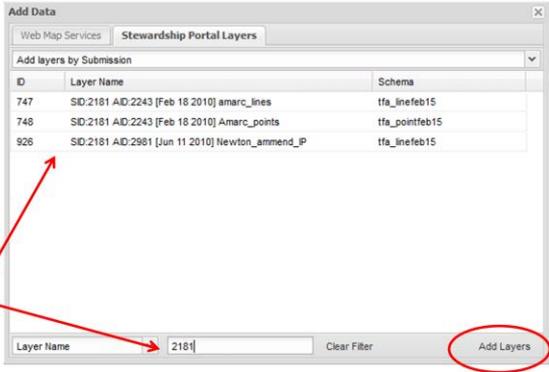


**Adding layers:** *(looking at one submission's shapefiles)*

In the lower left white box, select "Layer Name" for the most searching power. Type in the Portal ID in the second white box at the bottom, and hit "Enter" on your keyboard.

The list of shapefiles will refresh to show those submissions that have your Portal ID (Parent or Amendment) within the Name. In the smaller list, select any layers you wish to view and Click "**Add Layers**" on the right hand side.

Hint: Hold Ctrl or Shift key down to select multiple layers.



| ID  | Layer Name                                       | Schema         |
|-----|--|----------------|
| 747 | SID:2181 AID:2243 [Feb 18 2010] amarc_lines      | tfa_linefeb15  |
| 748 | SID:2181 AID:2243 [Feb 18 2010] Amarc_points     | tfa_pointfeb15 |
| 926 | SID:2181 AID:2981 [Jun 11 2010] Newton_ammend_IP | tfa_linefeb15  |

So you've clicked Add Data, Selected the Stewardship Portal Layers tab, and in the drop-down list you've selected "Add layers by submission"

Layer Name has been created by the Portal – it's a concatenation of:  
Submission ID (the Parent) prefixed by "SID:"

Amendment ID (the Child) prefixed by "AID:"

The date the submission went in, and

The actual shapefile's name before it went into the Portal.

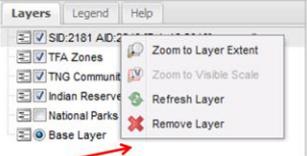
You can search out specifics, or use a **Question Mark as a wildcard** to get lots of values. AID:15??

If you make a mistake there's a "Clear Filter" button.



**Adding & Removing Layers:**

When you add a layer, it will automatically appear in the Table of Contents, clicked on. Additional options are available for that layer if you select it and then right click it. Layer specific options menu is opened:



- ✓ **Zoom to Layer Extents**
- ✓ **Zoom to Visible Scale (active only if layer visibility is scale dependent).**
- ✓ **Refresh Layer**
- ✓ **Remove Layer**

So typically, you'd add in your Submission ID's layer (layers).

**Zoom to its extent. Maybe identify the polygons / lines / points if there is more than one to tell them apart.**

Add more information – like a good basemap from WMS → Base Mapping & Trim → search out “Base” in “Layer Name” and add based on Scale.

Add more information – like TUS data from Portal Layers → Submission → 712  
\*\* Be sure you've zoomed in or it will take forever to load all that data!!!

Add more information – like perhaps NOI from WMS → TNGLayers → Blocks

Add more information – like perhaps consultative areas, Tsilhqot'in Title case areas, planning etc.

Keep in mind you can control the drawing order of the layers so that your referral information isn't buried underneath other info.

The only real way to learn this is to practice, practice, practice.