

# Lake Chelan Community

## Open Space Vision

### Decision Support Tool Training Guide

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##### **Lake Chelan Community Open Space Vision**

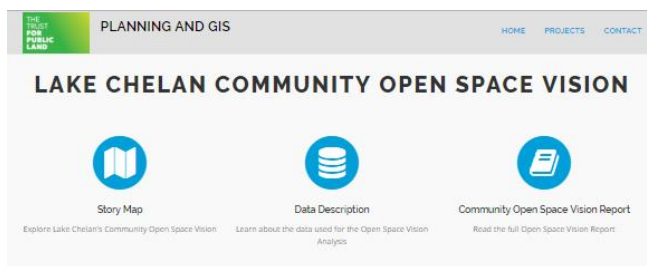
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## GETTING THERE

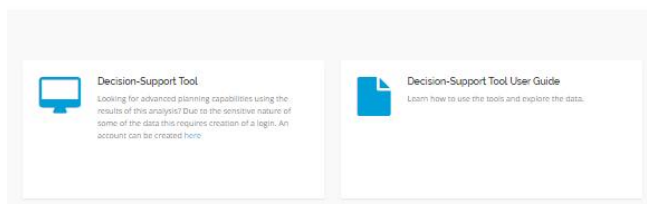
- Web Link
  - Use the following link to connect to the Lake Chelan Community Open Space Vision online mapping site:
    - <https://web.tplgis.org/lakechelan/>
  - Click on  to access the Decision-Support Tool.
  - **Note: Google Chrome or Mozilla Firefox works best for this mapping site. Internet Explorer version 7 or higher also works well.**
  - **Note: This mapping site is data intensive**
  - Click on the icons to access the products of the Lake Chelan Community Open Space Vision. This includes:
    - The Story Map showing the analysis results along with detailed descriptions of the methodology
    - Links to a password protected Decision Support Tool
    - Detailed Data Description Table with descriptions of all layers shown on the Decision Support Tool.
    - Links to the project report



### Overview

Lake Chelan and its surrounding foothills provide extremely rich scenic, recreational, ecological, and agricultural resources to local communities and visitors. The study area is known for having significant freshwater access points that provide spectacular fishing, boating, swimming, and other waterfront activities. Chelan has significant environmental features including unique wetlands, open spaces, woodlands, shorelines, waterfronts, significant forest cover, bluffs, and other characteristics that support wildlife and reflect the city's resource heritage. Recognizing the value of these resources, The Trust for Public Land worked with the City of Chelan, the Lake Chelan Trails Alliance, and the Chelan-Douglas Land Trust to develop a comprehensive community-based vision for balancing strategic protection of open space and recreation with continued local development. This Community Open Space Vision will help local communities make informed decisions about protecting important resources, including open spaces, water quality, wildlife habitat, working lands and recreational opportunities. The goal of the process has been to facilitate a win-win between land uses that are often competing by bringing as many voices as possible into the conversation, employing the best technology available, and taking steps to ensure that implementation is both efficient and effective. This Community Open Space Vision will highlight areas for strategic voluntary protection and for thoughtful recreation access. The Vision partners respect private property rights and recognize the critical importance of working lands and their stewardship by ranchers and farmers who are deeply committed to maintaining the unique environment and rural culture of the Lake Chelan area. Any future recreation access would be based on collaboration with and respect for landowners.

### Our Partners



- Password protected Decision Support tool
  - In order to access the password protected Decision Support Tool, click on the Support Tool link at the bottom of the project landing page.
  - Individual user logins are required to access the Decision Support Tool. To create an account, click on "Create a New Account" at bottom of login page

Lake Chelan Community Open Space Vision Login

To gain access to this application contact:  
**GIS Support at The Trust for Public Land**

Enter your user name and password to log in.

User name:

Password:

☐ Remember my login

Login

- Create a new account
- Recover your password
- Contact TPL GIS Support

- When you click on the "Create an Account" link, you will be taken to a "Create a Login website

Sign Up for Your New Account

User Name:

Password:

Confirm Password:

E-mail:

Captcha:

Create User

- Login page

- Once you fill out the fields, and click on "Create User" you will receive a validation email from a GIS Support email address. You must click on the link in the email to verify your account. Once you verify your account, your individual username and password can be used to access the Decision Support Tool.



## GIS Support

TPL GIS User Added to Lake Chelan Greenprint Mapping Portal: jsmith

To GIS Support

Cc Mitchel Hannon

=====

TPL GIS Authentication

New User Registration Request

=====

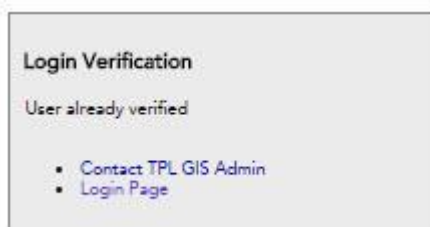
Date: 9/27/2017 3:14:25 PM

User name: mhannon

Email: [mitchel.hannon@tpl.org](mailto:mitchel.hannon@tpl.org)



You must click this link to verify your login and email address. Verification link: <https://web.tplgis.org/lakechelansecure/Verify.aspx?lid=mhannon>

- After you click on the link, you will be taken to an account verify screen confirming your account is verified. Click on Login Page from this screen or from the Decision Support Tool link on the landing page to enter your credentials and access the site.










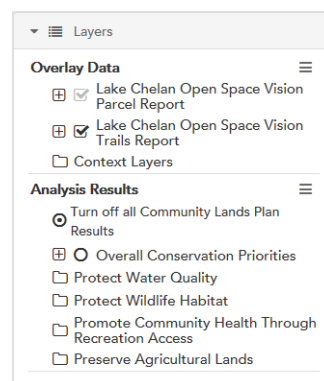
- Contact Mitchel Hannon at The Trust for Public Land, Geographic Information Systems team ([mitchel.hannon@tpl.org](mailto:mitchel.hannon@tpl.org)) for assistance.



## THE BASIC MOVES

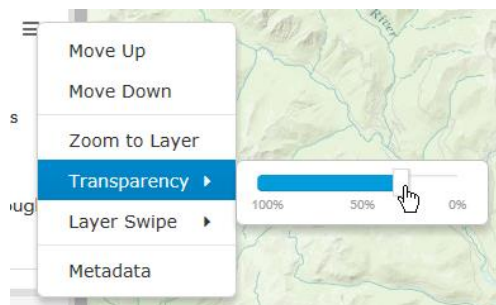
- Change the viewer extent
  - Click the ( + ) sign to zoom in.
  - Click the ( - ) to zoom out
  - To zoom in to a particular area hold down shift, click your mouse on one corner of the desired extent, and drag your mouse to the opposite corner of the desired extent.
  - Click and drag your mouse to the right or left to adjust the view
  - As you change the viewer extent the map detail changes. As you zoom in the map becomes more detailed.
  - Click the  button to return to the original extent.
  - Click the  button to show your location on the map




- Change the map background
  - Click the  Basemaps tab to the right of the map.
  - A drop down panel will appear. Click the small box next to the basemap you desire. Feel free to experiment with different basemaps. Note that you can close this panel at any time by clicking  Basemaps again.
- Additional map layers
  - On the left side panel there are a number of options available. If you click on  Layers you will see all the layers in the viewer. These layers are categorized.
    - At the top of the layers list there is an option to turn off all results layers. If at any point you would like to remove all the results click this button . And select Turn off all sublayers from the map.
    - Each  symbol indicates that there are multiple layers grouped under that heading. Click the  to expand and see what layers there are.
    - Click  to show the symbology for an individual layer.
  - On the LAYERS tab, locate the **Overlay Data** section.



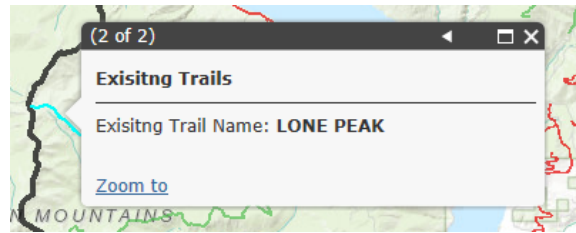
- This site includes a number of contextual layers to help in project decision making and to better understand the Landscape Analysis results. The **Context Layers** folder has a number of road, trail, lake bathymetry, Right of Way Points and conserved lands layers for visual reference.
- Click the  to the left of "Context Layers" to open this group of overlay data. You will see that there is a checkmark in the box next to "Lake Chelan Community Open Space Vision Study Area". Click the same box and the checkmark will disappear. You will also notice that the corresponding layers on the map will no longer be visible.
- Click the box again to re- add this data to your map.
- Click on the  to use the Transparency slider to change the transparency of the overlay data so that you can see mapped features underneath the overlay data. Click the rectangular tab on the slider and hold the mouse down to drag it to the left or right.



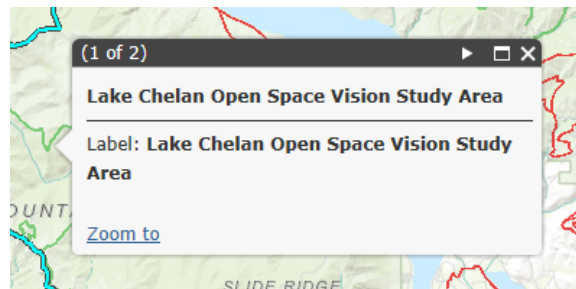
- Experiment with different transparency levels. Notice that the transparency level of all overlay data changes as you change the transparency level.
- In this same drop down menu you can turn on all the overlay layers, turn them all off, zoom to the layers, and layer swipe.
- If you hover your mouse over the Layer Swipe you can either choose vertical or horizontal.
  - A bar will appear in the viewer and you can slide it up/down or right/left depending on if you selected vertical or horizontal. Sliding this bar will show you what the map looks like with or without the data.
- To review the meaning of the colors and symbols displayed on your map at any time, click the  button next to the layer name. This will show you the symbology for that layer.



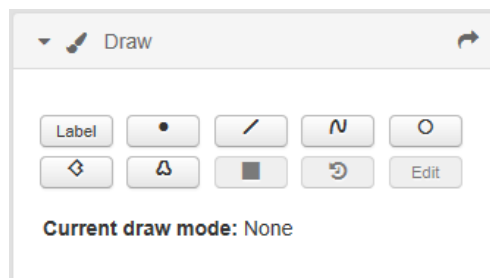
- Get information about specific features
  - Turn on the Existing Trails layer under the "Context Layers" group (switch back to the Overlay Data tab, and turn layer on if necessary).
  - Click on the corresponding symbology on the map.
  - An information box will appear that describes the feature(s) that you clicked.




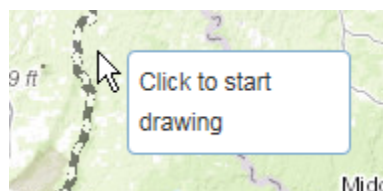
- **Note: If you have multiple layers on the one that is highest in the table of content will be identified first.**
- If there is a ▶ in the info box title you have identified multiple features. Click ▶ to view information on the other selected features.




- Add graphics to your map
  - Click the DRAW tab on the left panel to add graphics to your map.




- To sketch a polygon graphic on your map, click the  button.
- Begin sketching a shape on your map by clicking on your map. Double click to finish the sketch.




- You can also add points, lines, circles, and freehand polygons to the map by using the other draw buttons.
- If you want to change the graphics, use the  button, and recreate the graphics using the methods described above.
  - **Note: This action will erase all your drawings**
- To stop drawing double click your mouse

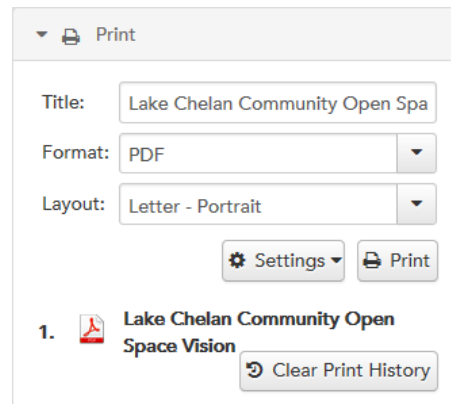




- Any graphics that you have added to the map will appear on your printable map.
- Print a custom map
  - To print a custom map that reflects the data and zoom level that you have chosen above, click the PRINT tab on the left panel.

- Enter a title for your map in the space provided.
- Choose the format and layout you would like.
- Click  Settings to make other adjustments to your printed map.

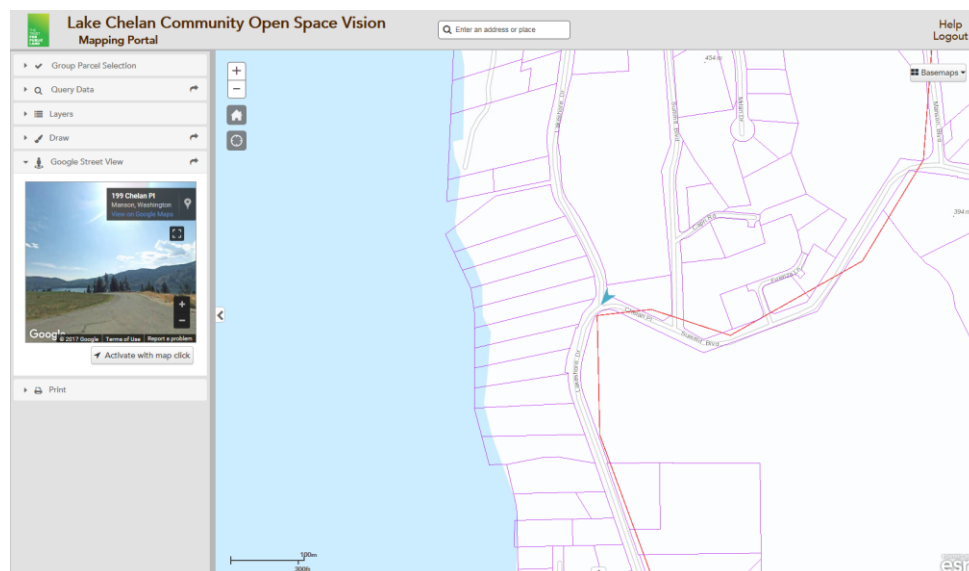


- Click the  button once you have completed the above steps.
- Be patient while the mapping site generates a map for you. This process can take up to a minute.
- In the PRINT tab a file will appear once the export is complete. Click on the link to open your map.




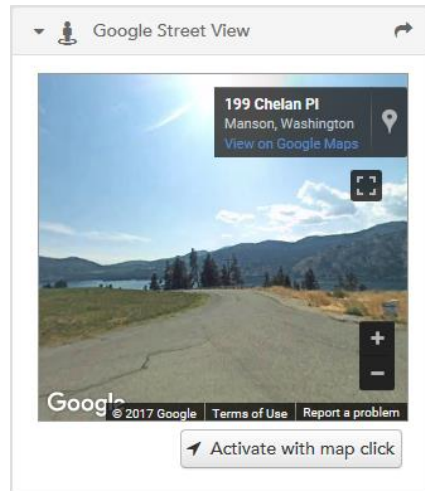
- An 8.5 X 11 formatted map will be displayed that you can print or save to your computer hard drive to share with others.
- Close the export window.
- Return to original map
- Click the  button at the top left of your map to reset your map extent, click the  in the layers area, and select "Turn Off All Sublayers".

## • Google Street View



- Open the GOOGLE STREET VIEW tab.
- Zoom into an area on the map that you would like to see in Google Street View.

- Click  to see the location you chose on the map.



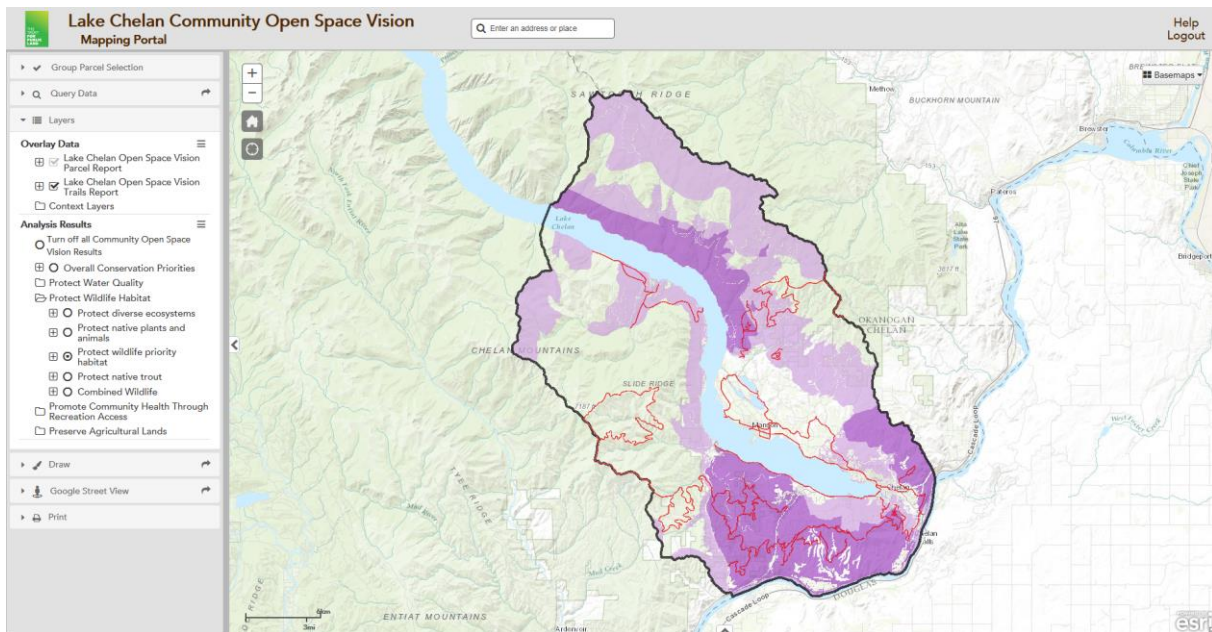
- You can choose other locations to see in Google Street View by clicking on another location on the map.
- Get help and access metadata
  - Click the **Help** button at the top left corner of your map for some simple Navigation shortcuts.
  - Still need help? Send an email to [mitchel.hannon@tpl.org](mailto:mitchel.hannon@tpl.org)

## Lake Chelan Community Open Space Vision Analysis Results

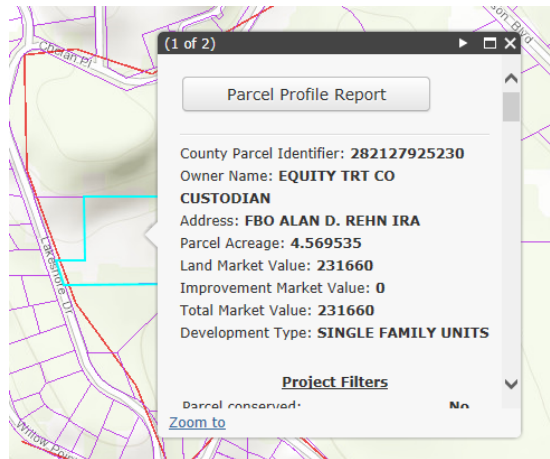
The Community Open Space Vision identifies where the most important areas for land conservation for wildlife, to protect water resources, increase health through access to lakes and trails, and to preserve working lands. Using the best available data, the layers below show where efforts to conserve land should be focused to preserve these valuable resources.

### Map analysis results

- Click the LAYERS tab to the left of the map.
- Find the section labeled **Analysis Results**. These are the layers showing the results of the analysis to find priorities for the 4 Goals.
- Click the ☐ to the left of the section "Protect Wildlife Habitat" to expand the list of layers under this heading.
- Click the circle next to "Protect wildlife priority habitat" to turn this layer on.
- Click the ☐ next to the layer name for a description of the colors displayed on your map. The darker the purple, the higher the priority.



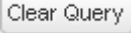
- Display parcels and run reports
  - Make sure the "Lake Chelan Open Space Vision Parcel Report" layer that is in the Overlay Data section is on.
  - Zoom in on the map
  - The parcel boundaries will turn on.
  - Once viewing the parcels, zoom in and click on a parcel to find out the degree of overlap with a goal and a number of other reference features related to other project selection filters that may be found on that parcel.



- You can create an exportable Parcel Profile Report on individual parcels by clicking . A Parcel Profile Report provides a detailed characterization of all modeled priorities and filtering criteria for an individual parcel.
- A download window will open. Click "Download File" to obtain the report.



- **Note: For an example of this report see the end of this help document.**
- Query data (example with Parcels)
  - You can query the Parcels layer to find parcels that meet certain conditions by opening the Query Data tab.

- You can clear a query at any point by clicking the  tab.
- Query by Value

Query Data

Select a Layer:  
Parcels

By Value By Location

Select a Field

Parcel adjacent to conserved land

Logical Operator: = Query Value: Yes


Add Condition

Query Conditions:

Parcel adjacent to conserved land = 'Yes'

Use And or Or Between Conditions:  
☒ And ☐ Or

Run Query Clear Query

- Select the field you would like to query on from the "Select A Field" menu.
- Select the Logical Operator and query value and press **Add Condition**.
- The condition will appear. You can remove a query at any point by clicking .
- After you have added all the desired queries click **Run Query**.
- A table will open at the bottom of the viewer showing you the parcels that fit your query.

County Parcel Identifier	Owner Name	Address	Parcel Acreage	Land Market Value	Improvement Market Value	Total Market Value	Acres of Combined Result for Protect Water Quality	Percent overlap with Combined Result for Protect Water Quality	Acres of Combined Result for Promote Community Health Through Recreation Access	Perce with Resu Cam Thro Acces
262101110000	COWELL GREGORY S & JODI R	PO BOX 1838	34.8	243,000.0	0.0	243,000.0	17.5	0.5	0.0	0.0
262101110050	ZAVALA JESUS E & DONNA J	PO BOX 229	5.2	73,710.0	290,238.0	363,948.0	0.0	0.0	0.0	0.0
262101110060	HAMMON GARY & KATHY L	PO BOX 2787	5.3	73,872.0	208,641.0	282,513.0	0.0	0.0	0.0	0.0

1 - 100 of 1736 results

- If you click on an individual record in your table the map will zoom to that parcel.
- You can either export this data as an excel/csv or create a pdf report for the queried parcels.

Export

Select an Export Type:  
Export To Excel Spreadsheet

Export

PDF Report

Download File

- Add condition to query
  - Perform the same steps as above for any additional conditions you would like to include.

Query Data

Select a Layer:  
Parcels

By Value By Location

Select a Field ▶

Acres of Protect Riparian and Wetland Buffers

Logical Operator: Query Value:  
> 10

Add Condition

Query Conditions:

✗ Acres of Protect Riparian and Wetland Buffers > 10

AND

✗ Parcel adjacent to conserved land = 'Yes'

Use And or Or Between Conditions:  
☒ And ☐ Or

Run Query Clear Query

- Make sure and click “Add Condition” after you have set up your condition. Once this is done a second condition will appear in your query conditions.
- Follow the same directions as above to run the query.
- Query data (example with Trails)
  - You can query the Trails layer to find trails that meet certain conditions by opening the Query Data tab.

Query Data

Select a Layer:  
Trails

By Value By Location

Select a Field ▶

Potential Trail Name

Logical Operator: Query Value:  
= Yes




Add Condition

Query Conditions:

Use And or Or Between Conditions:  
☒ And ☐ Or

Run Query Clear Query

- You can clear a query at any point by clicking the **Clear Query** tab.
- Query by Value

- Select the field you would like to query on from the “Select A Field” menu.
- Select the Logical Operator and query value and press .
- The condition will appear. You can remove a query at any point by clicking .
- After you have added all the desired queries click .
- A table will open at the bottom of the viewer showing you the trails that fit your query.

Potential Trail Name	Trail Type	Lake Chain Trail Alliance Priority Class (1-3)
Little Butte	Upland Trail	2

- If you click on an individual record in your table the map will zoom to that trail.
- You can either export this data as an excel/csv or create a pdf report for the queried trails.

- Add condition to query
  - Perform the same steps as above for any additional conditions you would like to include.

- Make sure and click “Add Condition” after you have set up your condition. Once this is done a second condition will appear in your query conditions. Follow the same directions as above to run the query.
  - **Note: For an example of this report see the end of this help document.**
- Group Parcel Selection (Note, Trails do not have group reporting capability)
    - This allows users to select multiple parcels to run a report for.

- To select parcels click the “Press to Select/Unselect” button. Begin clicking on parcels to select them. You can either select an individual parcel or a group of parcels. If you wish to unselect a parcel click it again and the parcel will be removed from the selection.
- You can clear the selected parcels at any point by clicking the “Clear Selected” button.
- You can create a report on any selection of parcels by clicking “Create Report”.
- A download window will open. Click “Download File” to obtain the report.







# Lake Chelan Community Open Space Vision

## Parcel Report

September 13, 2017

Page 1 of 2



County Parcel Identifier: 282127925230	Parcel Acreage: 4.57
Owner Name: EQUITY TRT CO CUSTODIAN	Land Market Value: 231660.00
Address: FBO ALAN D. REHN IRA	Improvement Market Value: 0.00
Development Type: SINGLE FAMILY UNITS	Total Market Value: 231660.00

Project Filters	
Parcel conserved: No	Parcel has potential trail connection on it: Yes
Parcel adjacent to conserved land: No	Parcel suitable for wetland creation: No
Parcel greater than 5 acres: No	Parcel on TNC Resilient Land: No
Parcel adjacent to a perennial stream: No	Parcel likely to be developed by 2100: No
Parcel adjacent to the lake: No	Parcel viewable from downtown: No
Parcel has an opportunity for lake or river access: No	Parcel viewable from Lakeside Park: No
Parcel overlaps a priority habitat region: No	Parcel viewable from Don Morse Park: No
Parcel near a priority bird species nesting location: No	

Overall Conservation Priority	Acres	Percent
Overlap with Overall Conservation Priorities	0.42	9.1%

### Legend

Project Area Parcels



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# Lake Chelan's Community Open Space Vision

## Parcel Report

September 13, 2017

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County Parcel Identifier: 282127925230	Parcel Acreage: 4.57
Owner Name: EQUITY TRT CO CUSTODIAN	Land Market Value: 231660.00
Address: FBO ALAN D. REHN IRA	Improvement Market Value: 0.00
Development Type: SINGLE FAMILY UNITS	Total Market Value: 231660.00

Protect Water Quality Priorities	Acres	Percent
Protect Riparian and Wetland Buffers	0.00	0.0%
Minimize Soil Erosion into Surface Water	4.57	100.0%
Identify Locations for Constructed Wetlands	0.00	0.0%
<b>Combined Result for Protect Water Quality</b>	<b>0.00</b>	<b>0.0%</b>

Protect Wildlife Habitat Priorities	Acres	Percent
Protect Diverse Ecosystems	0.00	0.0%
Protect Native Plants and Animals	0.00	0.0%
Protect Wildlife Priority Habitats	0.00	0.0%
Protect Native Trout Habitat	0.00	0.0%
<b>Combined Result for Protect Wildlife Habitat</b>	<b>0.00</b>	<b>0.0%</b>

Promote Community Health Through Recreation Access	Acres	Percent
Increase Access to the Lake	0.00	0.0%
Increase Trail Opportunities	1.08	23.5%
Identify Gaps in Existing Parks and Open Space for New Parks	0.00	0.0%
Locally Important Landmarks	0.00	0.0%
<b>Combined Result for Promote Community Health Through Recreation Access</b>	<b>0.42</b>	<b>9.1%</b>

Preserve Agricultural Land Priorities	Acres	Percent
Protect High Quality Agricultural Soils with Low Slope	0.56	12.3%
Protect Working Agricultural Lands	4.57	100.0%
Protect Views of Agricultural Landscapes	3.03	66.3%
<b>Combined Result for Preserve Agricultural Lands</b>	<b>4.57</b>	<b>100.0%</b>

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# Lake Chelan Community Open Space Vision

## Trail Report

September 22, 2017

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THE TRUST  
FOR  
PUBLIC  
LAND

Potential Trail Name: Chelan Butte Complex  
Trail Type: Upland Trail  
Lake Chelan Trail Alliance Priority Class (1-3): 1  
Length of Trail (miles): 21  
Trail Notes: Includes entire Butte area (but not Little Butte Hike)

Trail Characteristics	
Number Private Parcels Trail Crosses: 7	Trail Mean Slope (%): 13
Miles of Private Land Trail Crosses: 1	Miles crossing Priority Species Habitat areas: 20
Percent of Trail on Private Land: 6	Number of Priority Species points within 500m: 6
Trail Minimum Elevation (ft): 1182	Trail crosses water: No
Trail Maximum Elevation (ft): 3809	Trail crosses wetland: Yes
Trail Minimum Slope (%): 0	Trail crosses wetland: No
Trail Maximum Slope (%): 105	

Legend

 Proposed Trails



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# Lake Chelan Community Open Space Vision

## Trail Report

September 22, 2017

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Potential Trail Name: Chelan Butte Complex  
Trail Type: Upland Trail  
Lake Chelan Trail Alliance Priority Class (1-3): 1  
Length of Trail (miles): 21  
Trail Notes: Includes entire Butte area (but not Little Butte Hike)

### Overlap with OSV Priorities

Overall Conservation Priorities: 100.0%  
Percent Overlap with Overall Recreation Access Priorities: 100.0%  
Percent Overlap with Overall Water Quality Priorities: 73.2%  
Percent Overlap with Overall Wildlife Habitat Priorities: 97.3%  
Percent Overlap with Overall Agricultural Lands Priorities: 0.0%

### Trail Verification Survey

Overall Segment Score:  
User Experience Score:  
Health Equity Score:  
Trail Condition Score:  
Adjacent to Highway or Paved Road: na  
Shares Road with Vehicles: na  
Setback from Road: na  
Notable Impediments: na

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