

2D Annotations

Updated on 04 Mar 2024 · ⏳ 14 Minutes to read · Contributors 

The annotation feature on Skydeck is designed to provide a robust toolset to enhance your interaction with the visualized data. With annotations, you can easily demarcate and highlight objects, assign observation severities and quickly perform measurements on datasets. Created annotations can also be conveniently grouped into user-defined categories and exported for seamless use beyond the Skydeck platform.

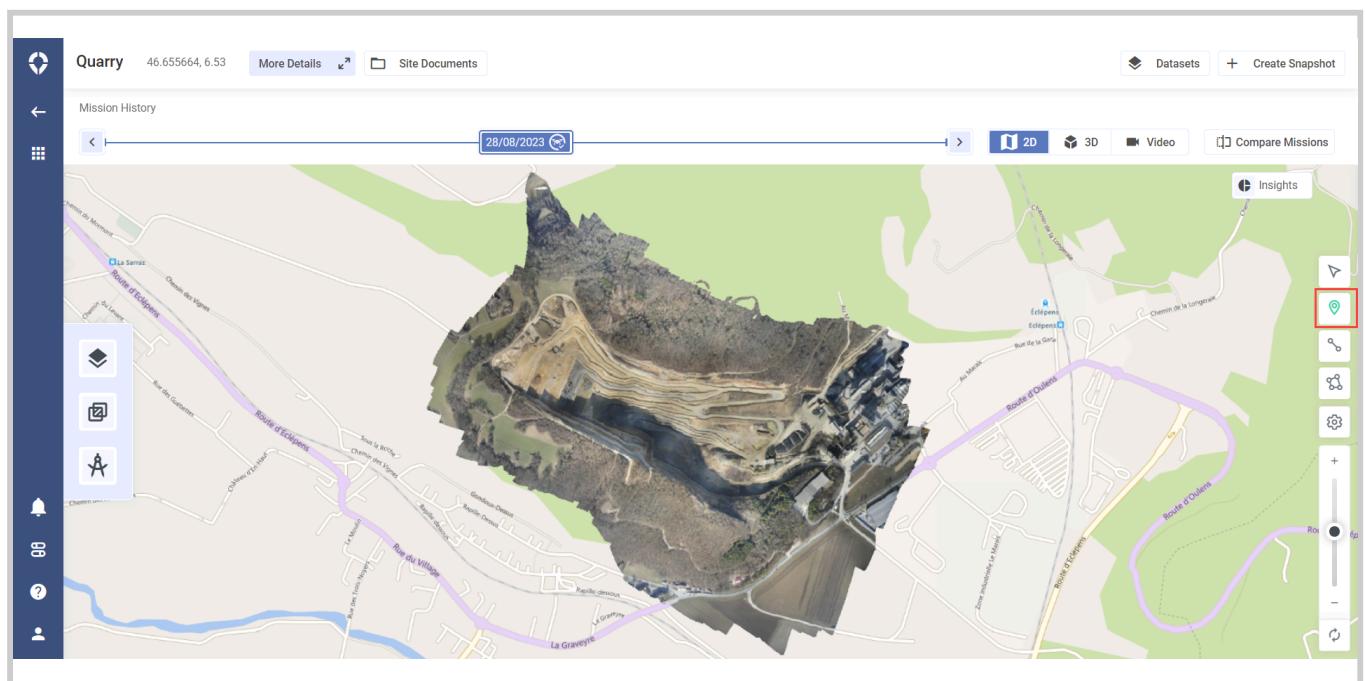
On SkyDeck you can add annotations in the form of:

- [Points](#)
- [Lines](#)
- [Polygons](#)

Annotating Points

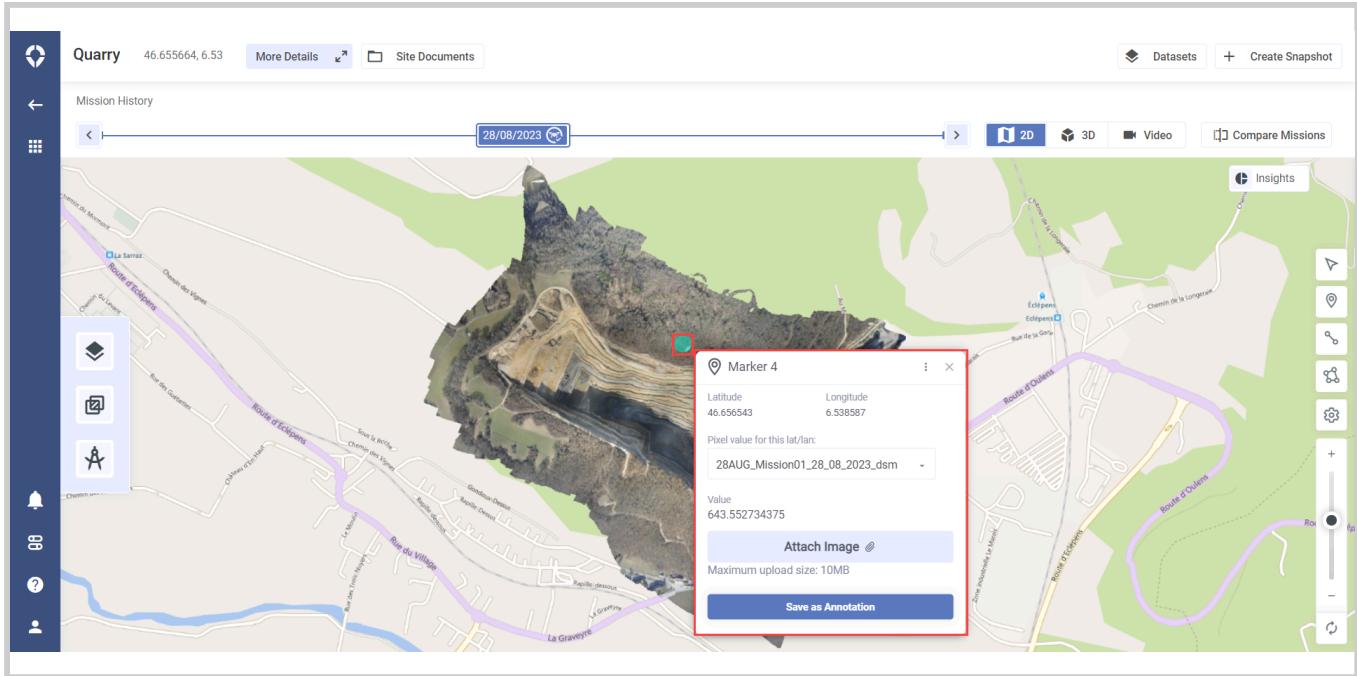
Annotating points involves marking a specific point on the map.

1. In the sidebar on the right side of the map area, click the **point** icon and then click the map where you want to place the annotation.



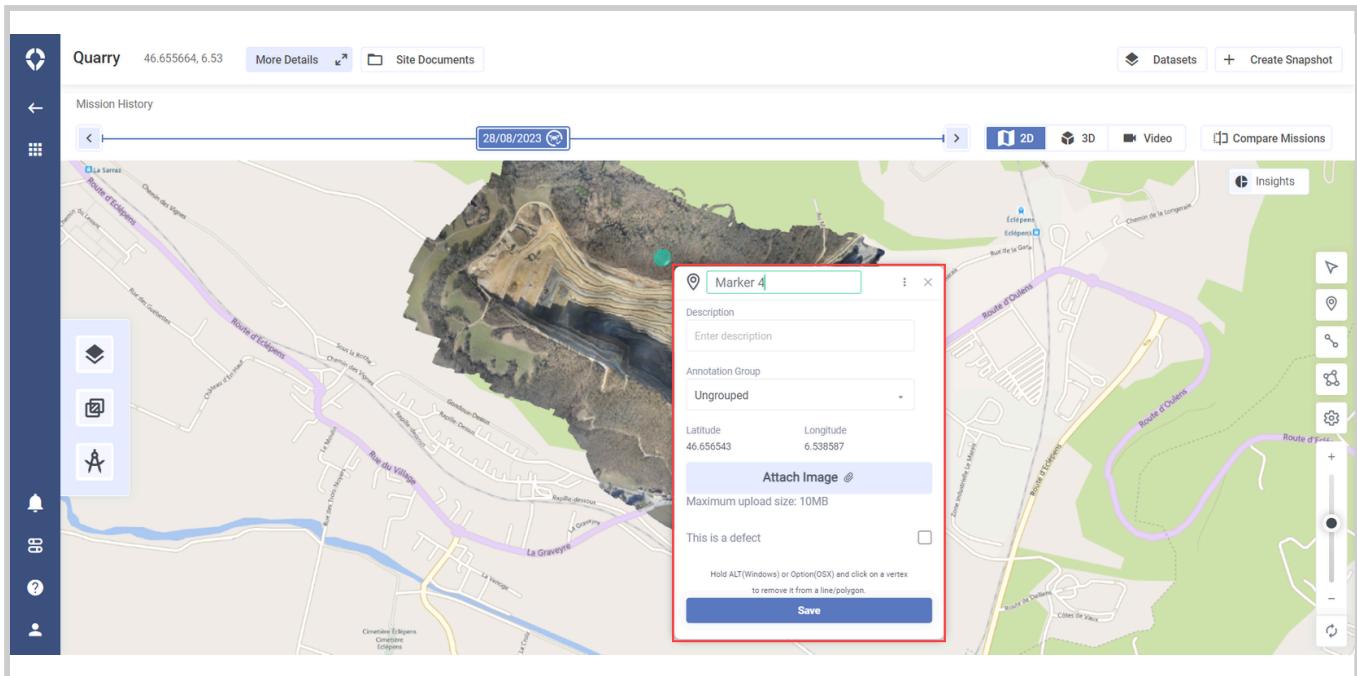
Selecting Point Annotation

A temporary marker is placed on the map and a pop-up for the annotation opens displaying the latitude and longitude of that point on the map.



Placing Marker for Point Annotation

1. Click **Save as Annotation**. The pop-up expands displaying more options.



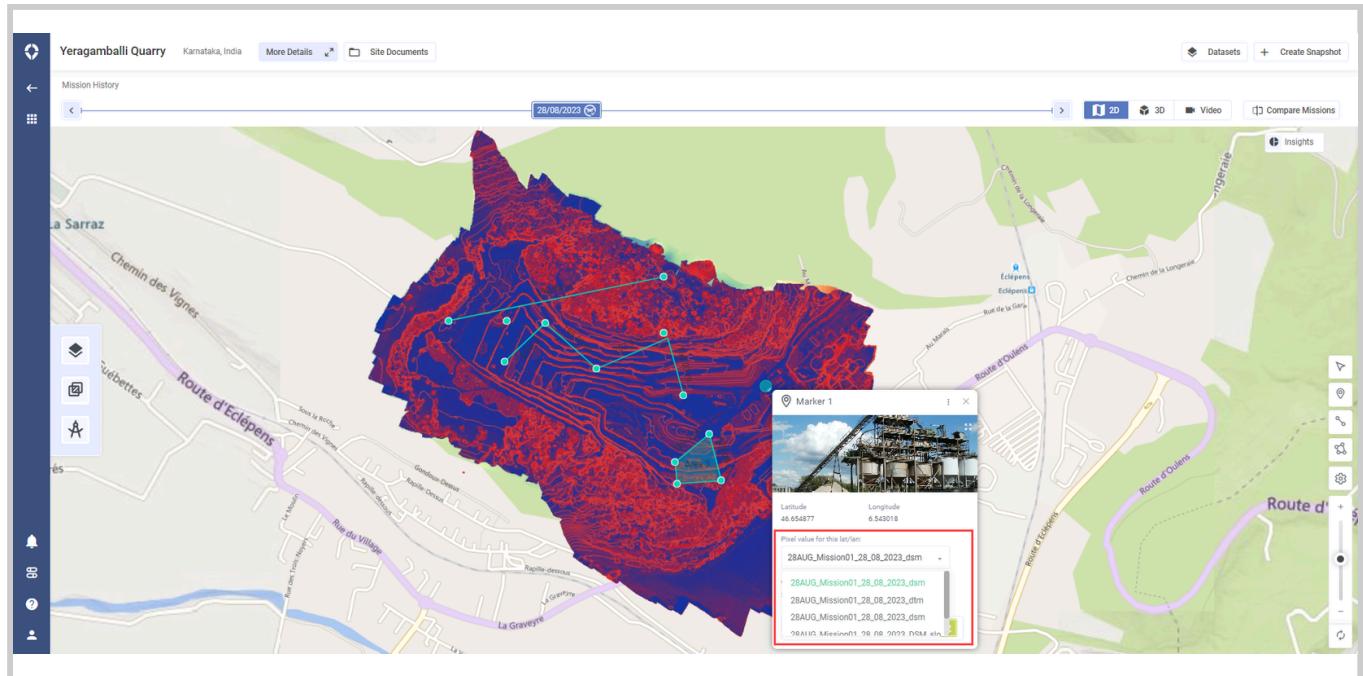
Saving the Point Annotation

The following options are available here:

Option	Description
Name	<p>Enter the name for the marker.</p> <p>By default, the name of every new point annotation will be displayed as Marker 'n'.</p>
Description	Describe the purpose for this annotation.
Annotation Group	<p>Select the group under which you want to group this annotation.</p> <p>For more information on annotation groups, click here.</p>
Attach Image	<p>Attach an image associated with the annotation. This could be a building or an object that you want to highlight on the map.</p> <p>For more information, click here.</p>
This is a defect	Select this checkbox if you want to mark this spot on the map as a defect. A defect could either be fault at that location or a defect in the 2D data that you are visualizing.
Severity	<p>Mark the severity of the annotation where 1 denotes low severity and 5 denotes high severity.</p> <p>This option is displayed only when you select the This is a defect checkbox.</p>

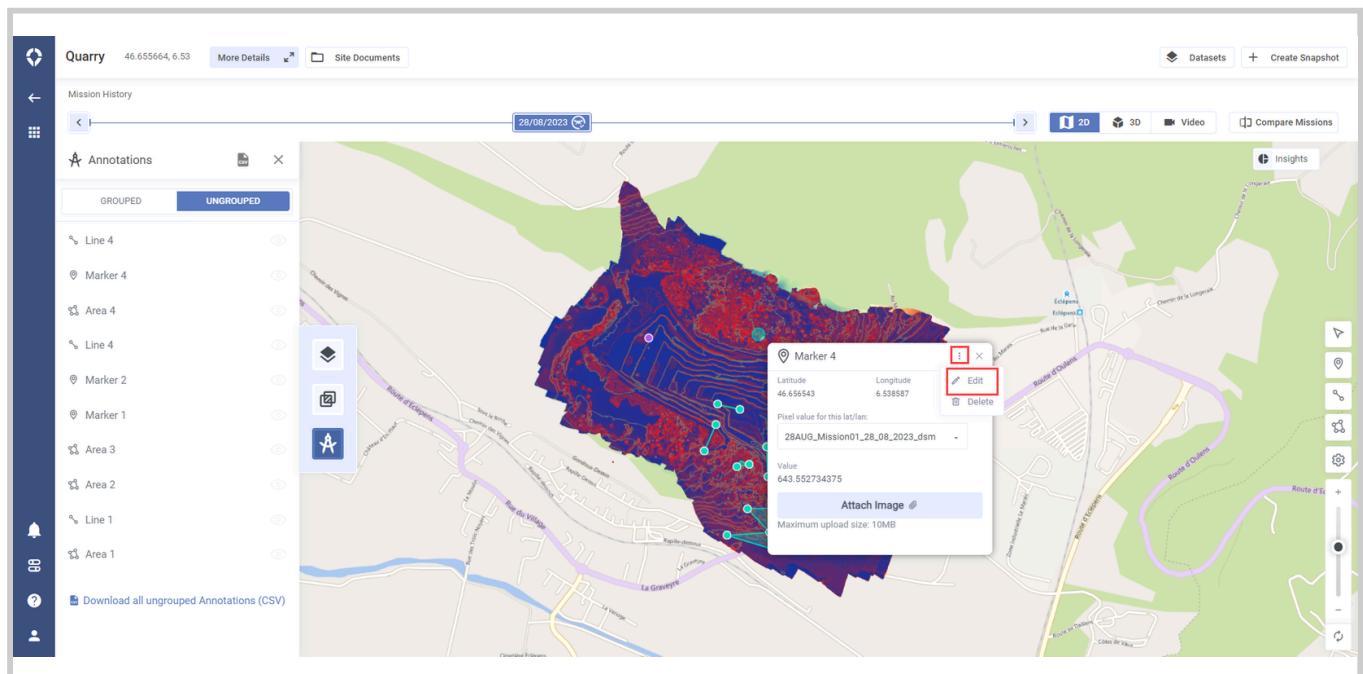
Click **Save**. The annotation is saved and displays the pixel information for the selected layer.

For example, if the selected layer is a surface model, the pixel info displays the elevation at the point annotation.



Pixel Value

- To rename the annotation and modify other attributes, click on the annotation, click the **three dot** icon in the pop-up and then click **Edit**.



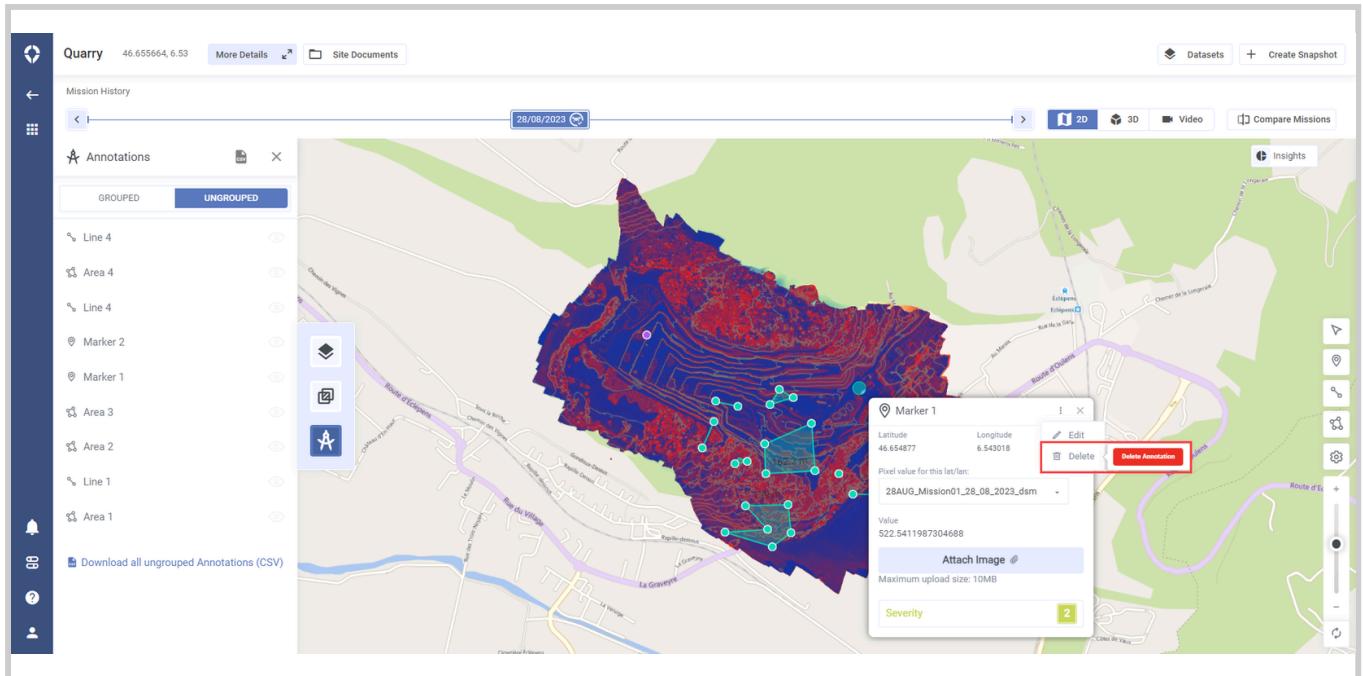
Editing the Point Annotation

The expanded pop-up is displayed, allowing you to edit, delete and remove the image (if attached) from the annotation.

You can only delete saved annotations. Any annotation marked on the map and not saved disappears when you reload the page. However, this will

reload all the layers, overlays and annotation on the map even if you had hidden them earlier.

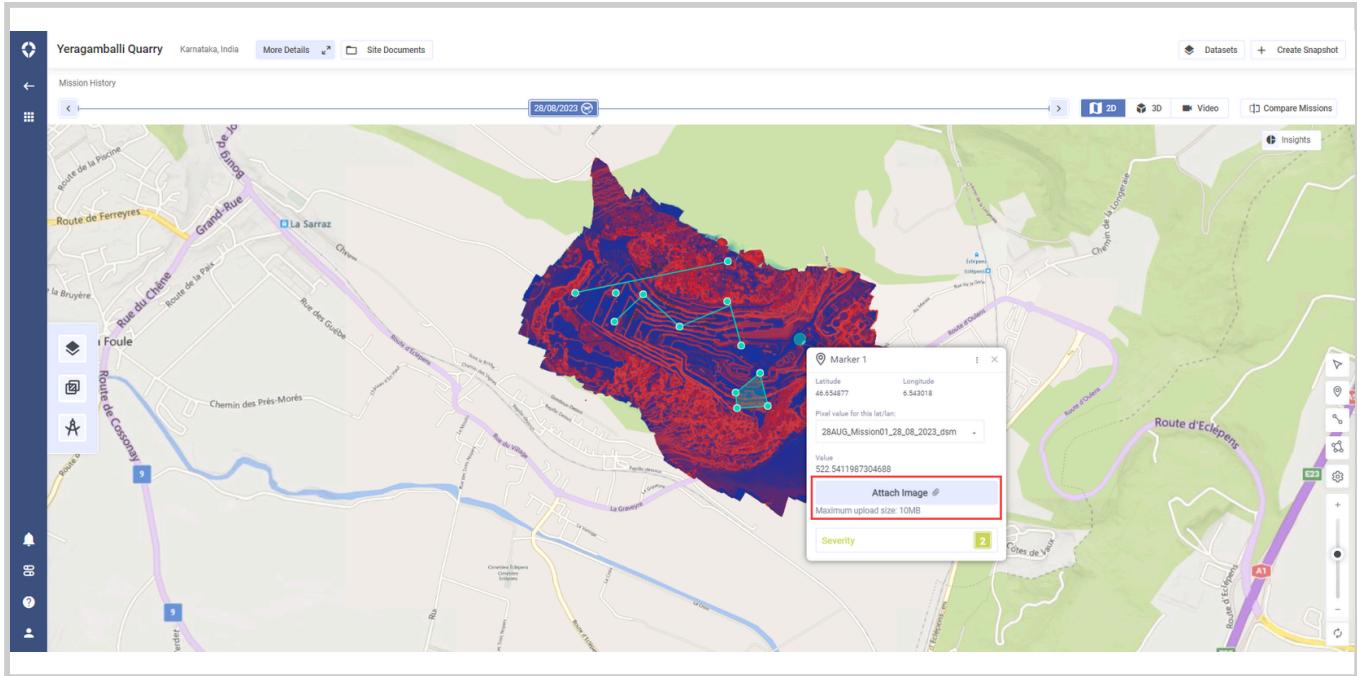
4. To delete the annotation, click on the annotation, click the **three dot** icon in the pop-up, click **Delete** and then click **Delete Annotation**.



Deleting the Point Annotation

Attaching Images to Point Annotations

1. Click on the marker to which you want to attach the image.
2. In the pop-up that is displayed, click **Attach Image**.

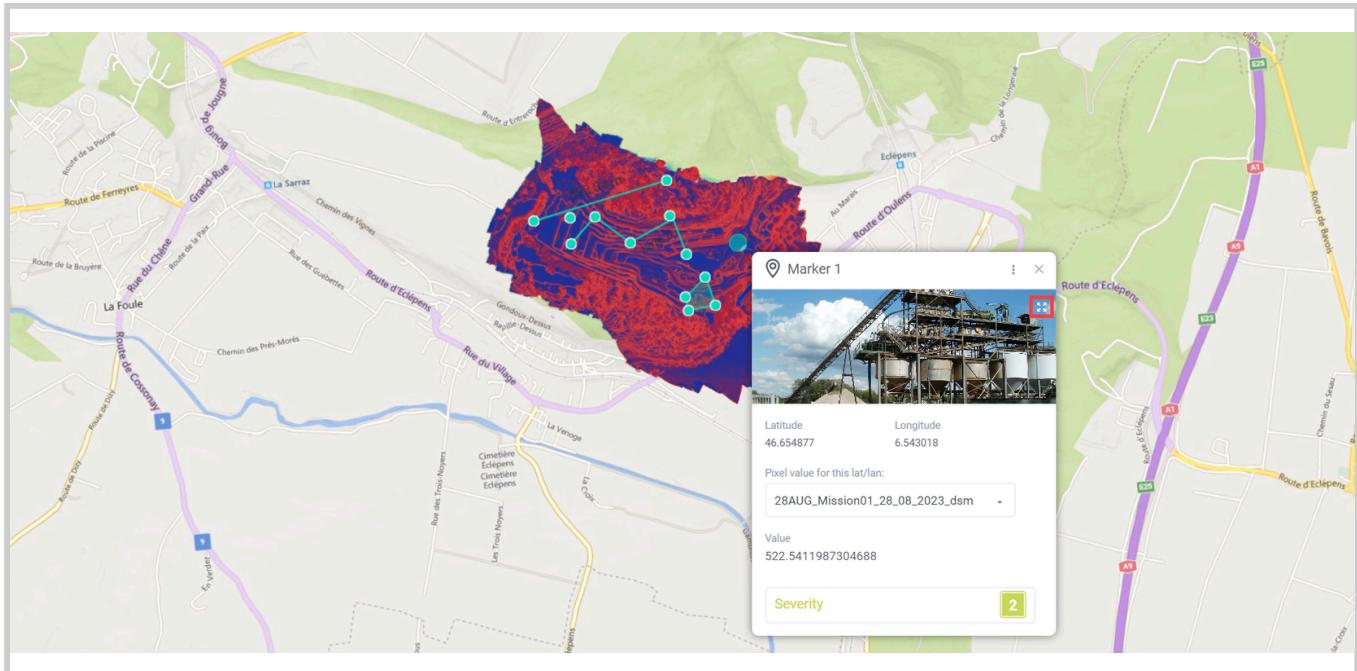


Attach Image to Point Annotation

1. Browse for the image file and upload it.

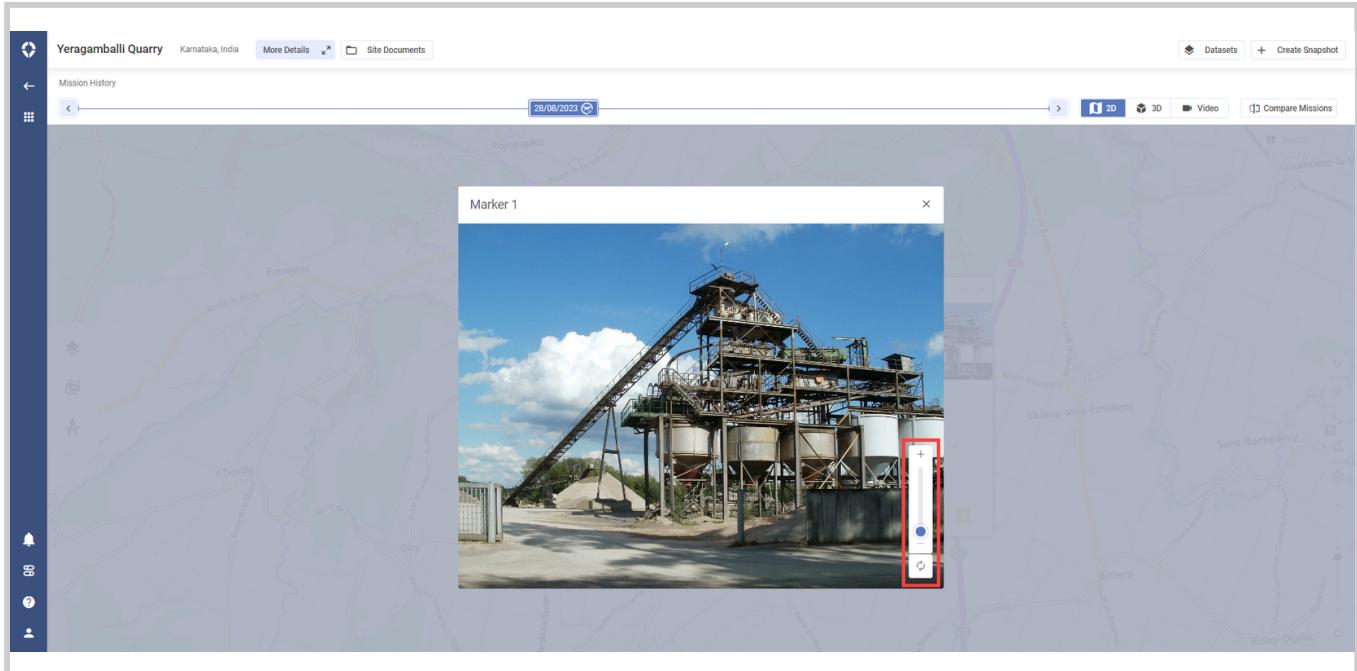
Ensure that the file uploaded is in JPG, JPEG, PNG or HEIC format and does not exceed 10MB in size.

4. To view the uploaded image, click the marker and then click the **expand** icon on the image.



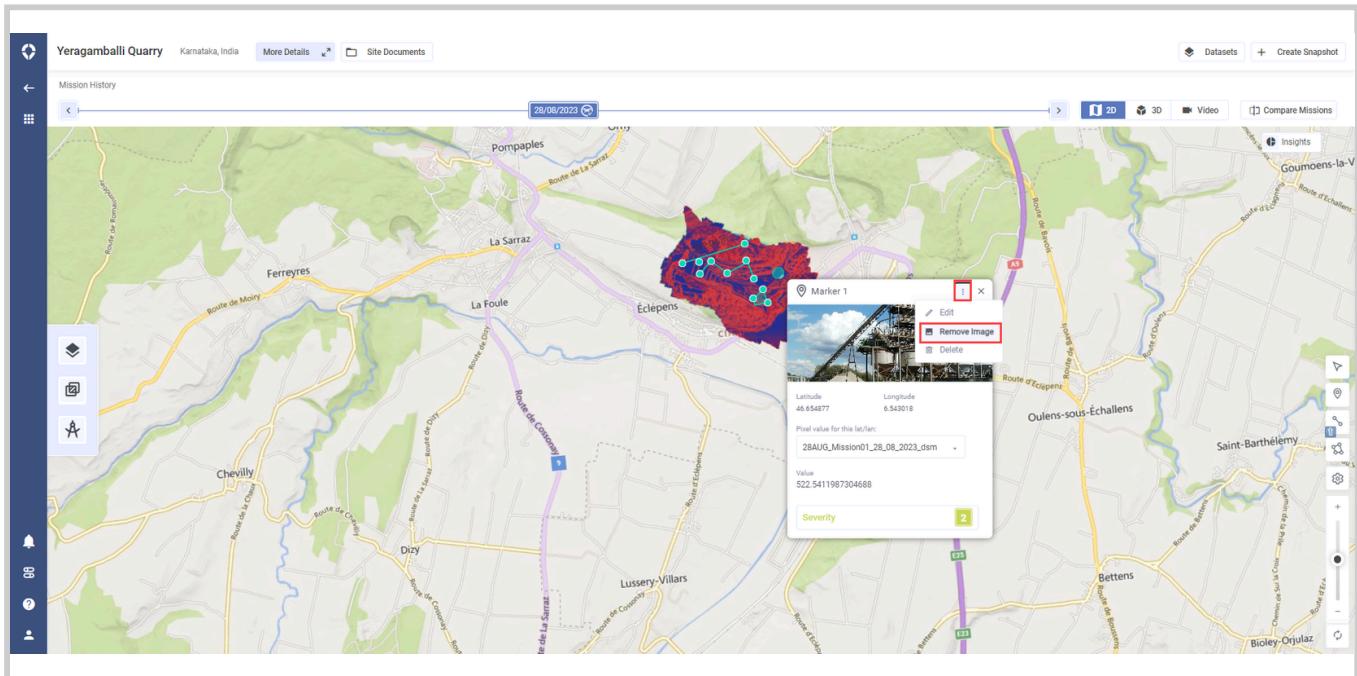
Expand the Image

The expanded image is displayed with an option to zoom in and zoom out.



Expanded Image

4. To remove the image, click the **three dot** icon and then click **Remove Image**.

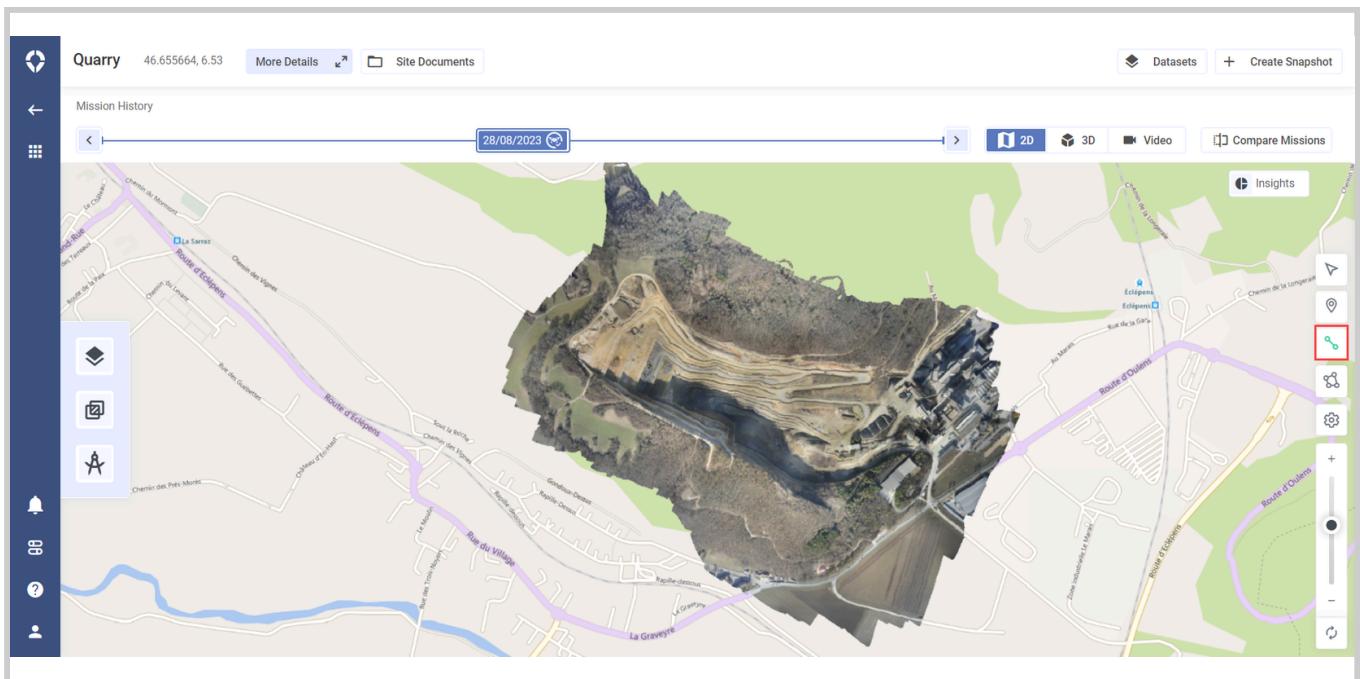


Remove Image

Annotating Lines

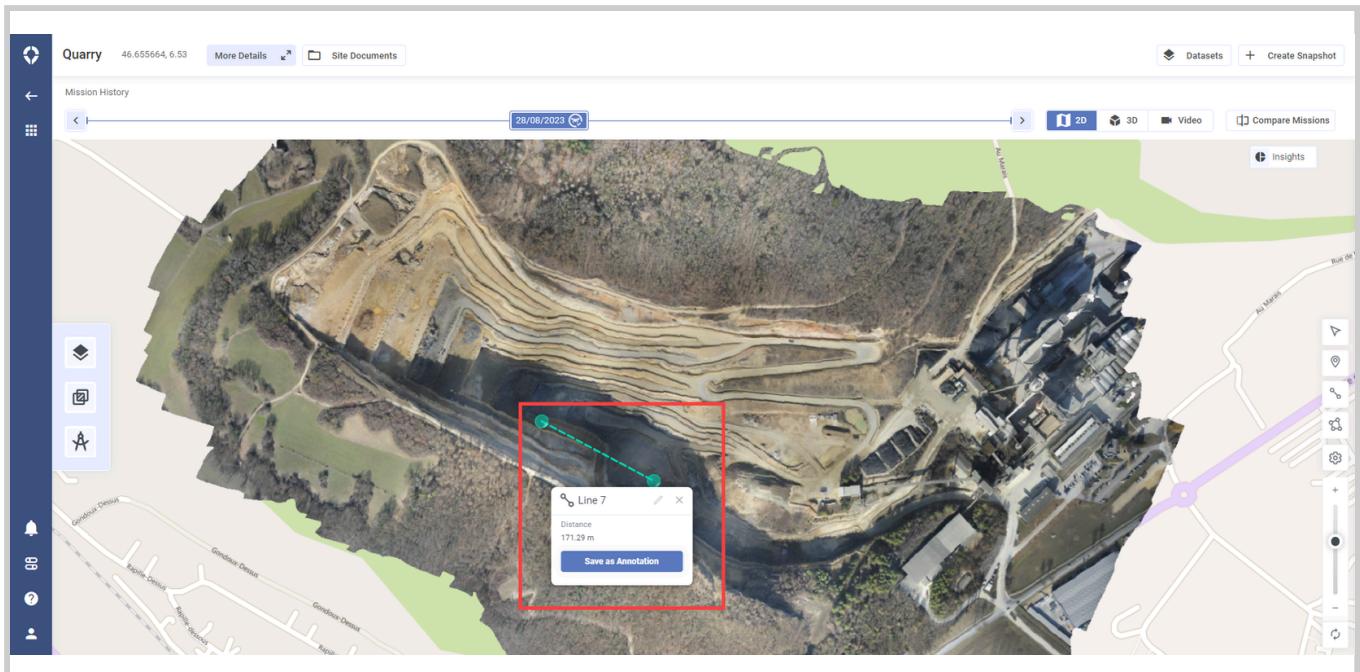
Annotating lines involves marking a line on the map. This line need not be a straight line and can connect multiple points on the map.

1. In the sidebar on the right side of the map area, click the **line** icon and then click on the map where you want to start marking the line.



Selecting Line Annotation

2. To make a straight line connecting two points on the map, drag your mouse to the second point on the map and double-click. A dotted line connecting the two points is displayed and a pop-up for this line annotation opens, displaying the length of the line (in meters).



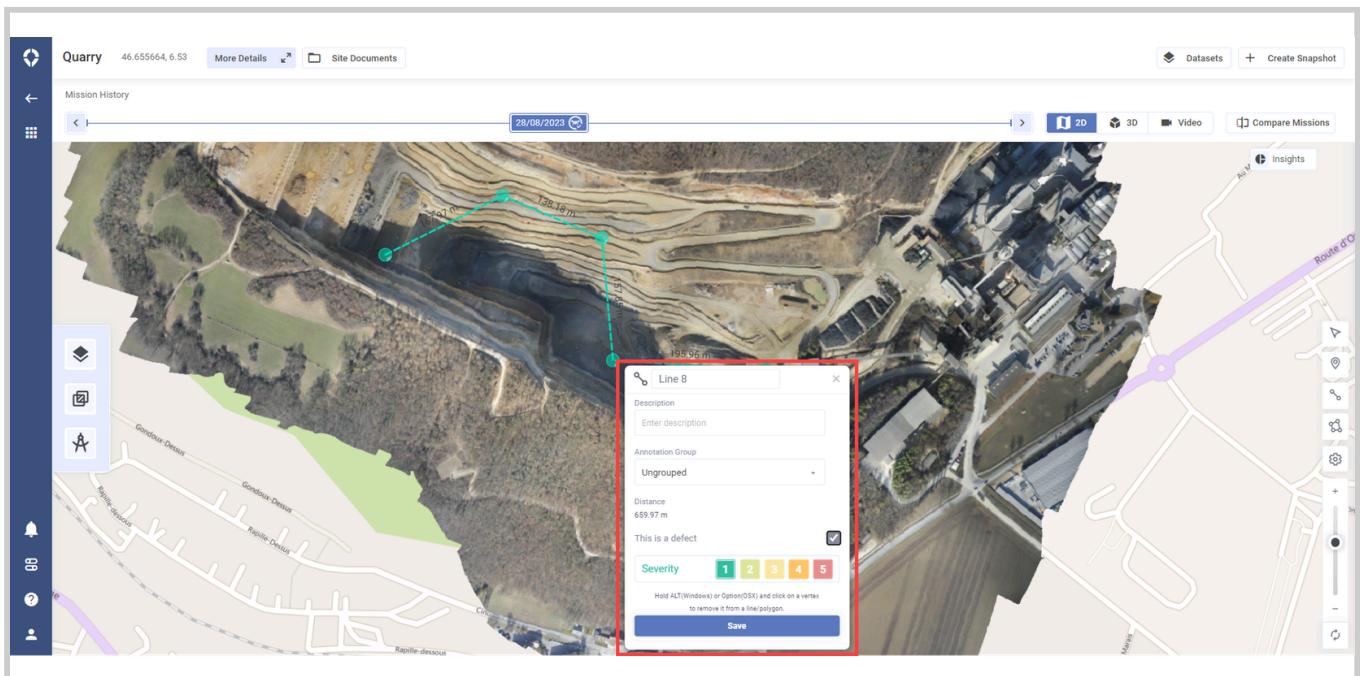
Marking a Straight Line Annotation

3. To mark a line annotation connecting multiple points, click on the map where you want to start making the line, then click other points till you reach the last point, and then double-click. A dotted line connecting all the points is displayed and a pop-up for this line annotation opens, displaying the total length of the line (in meters).



Marking a Line Annotation with Multiple Points

4. Click **Save as Annotation**. The pop-up expands displaying more options.



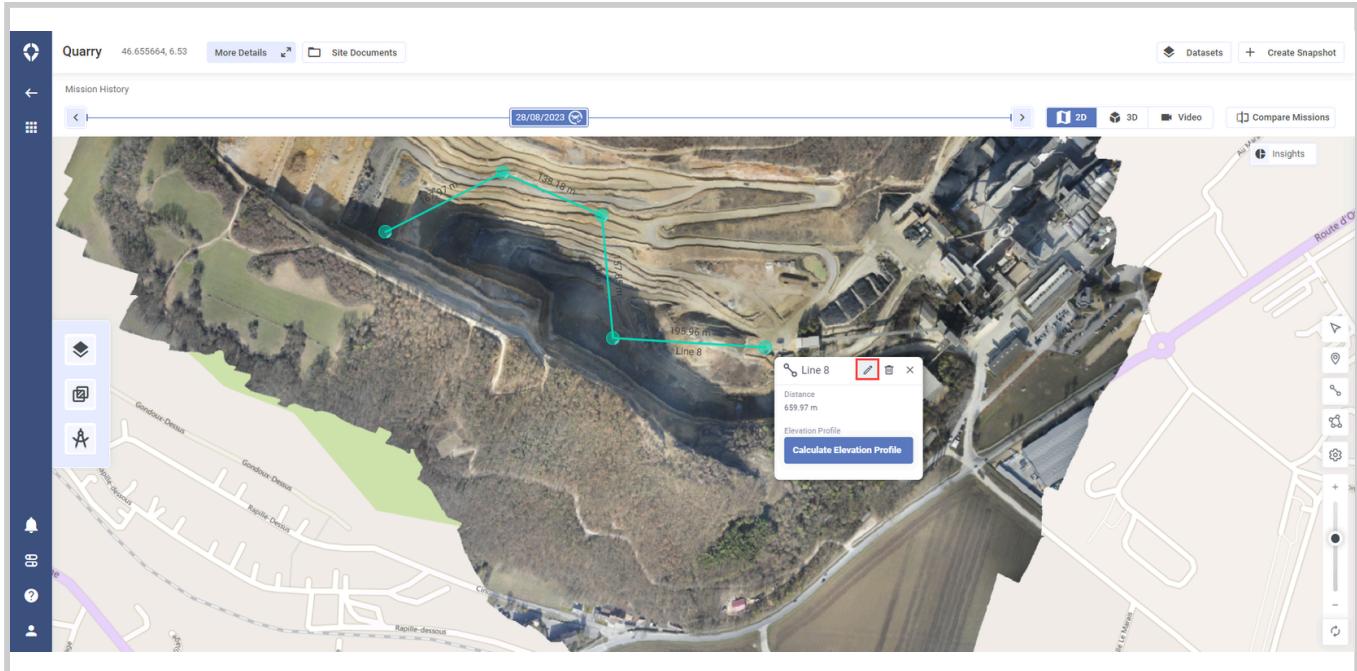
Saving a Line Annotation

The following options are available here:

Option	Description
Name	<p>Enter the name for the Line Annotation.</p> <p>By default, the name of every new line annotation will be displayed as Line 'n'.</p>
Description	Describe the purpose for this annotation.
Annotation Group	<p>Select the group under which you want to group this annotation.</p> <p>For more information on annotation groups, click here.</p>
This is a defect	Select this checkbox if you want to mark this spot on the map as a defect. A defect could either be fault at that location or a defect in the 2D data that you are visualizing.
Severity	<p>Mark the severity of the annotation where 1 denotes low severity and 5 denotes high severity.</p> <p>This option is displayed only when you select the This is a defect checkbox.</p>

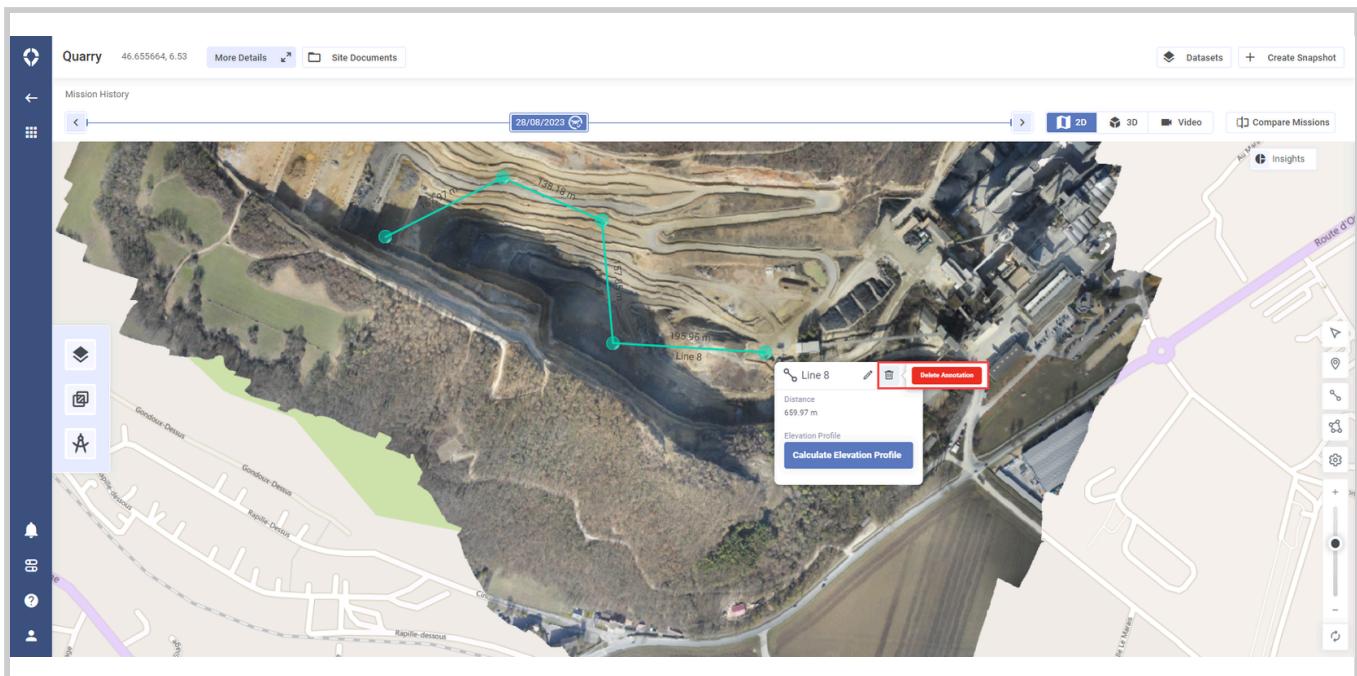
5. Click **Save**.

6. To rename the annotation and modify other attributes, click the annotation and then click the **edit** icon.



Editing the Line Annotation

- To delete the annotation, click the annotation, click the **delete** icon and then click **Delete Annotation**.



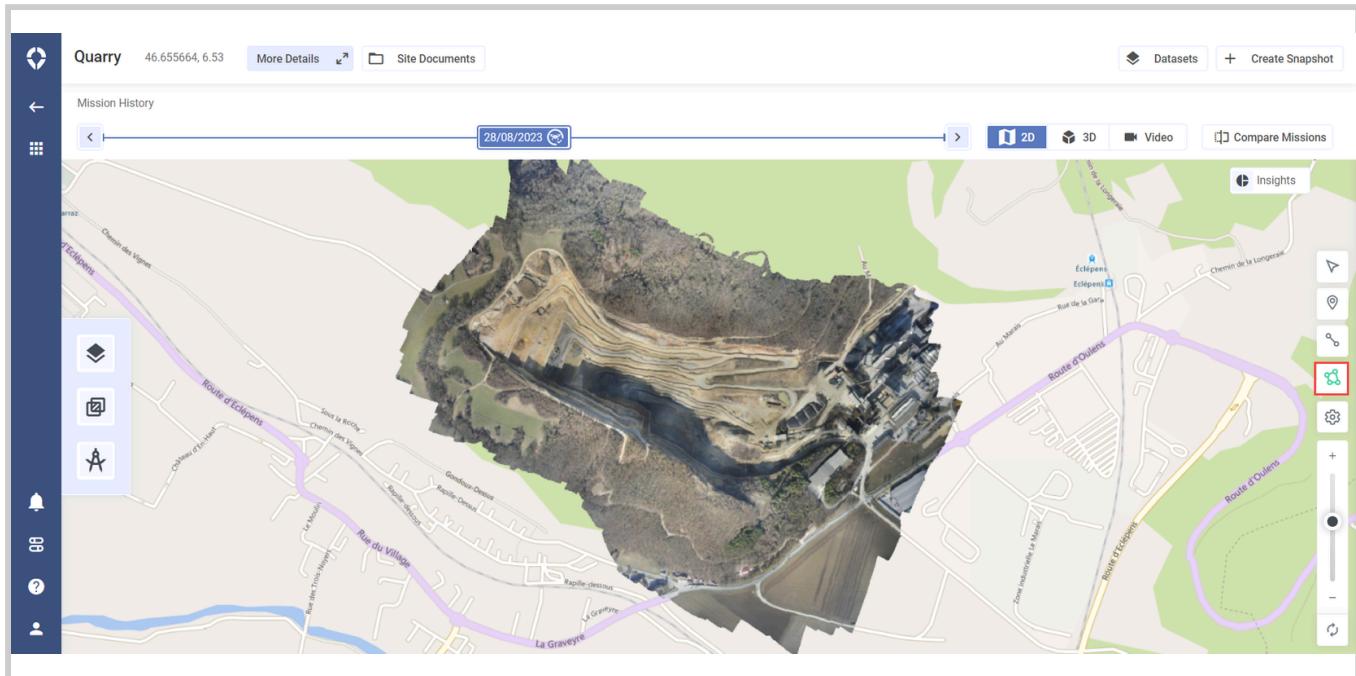
Deleting the Line Annotation

You can only delete saved annotations. Any annotation marked on the map and not saved disappear when you reload the page. However, this will reload all the layers, overlays and annotation on the map even if you had hidden them earlier.

Annotating Polygons

Annotating polygons involves marking a polygon shape on the map.

1. In the sidebar on the right side of the map area, click the **polygon** icon and then click the map where you want to start marking the polygon. A blue dot appears next to your cursor.



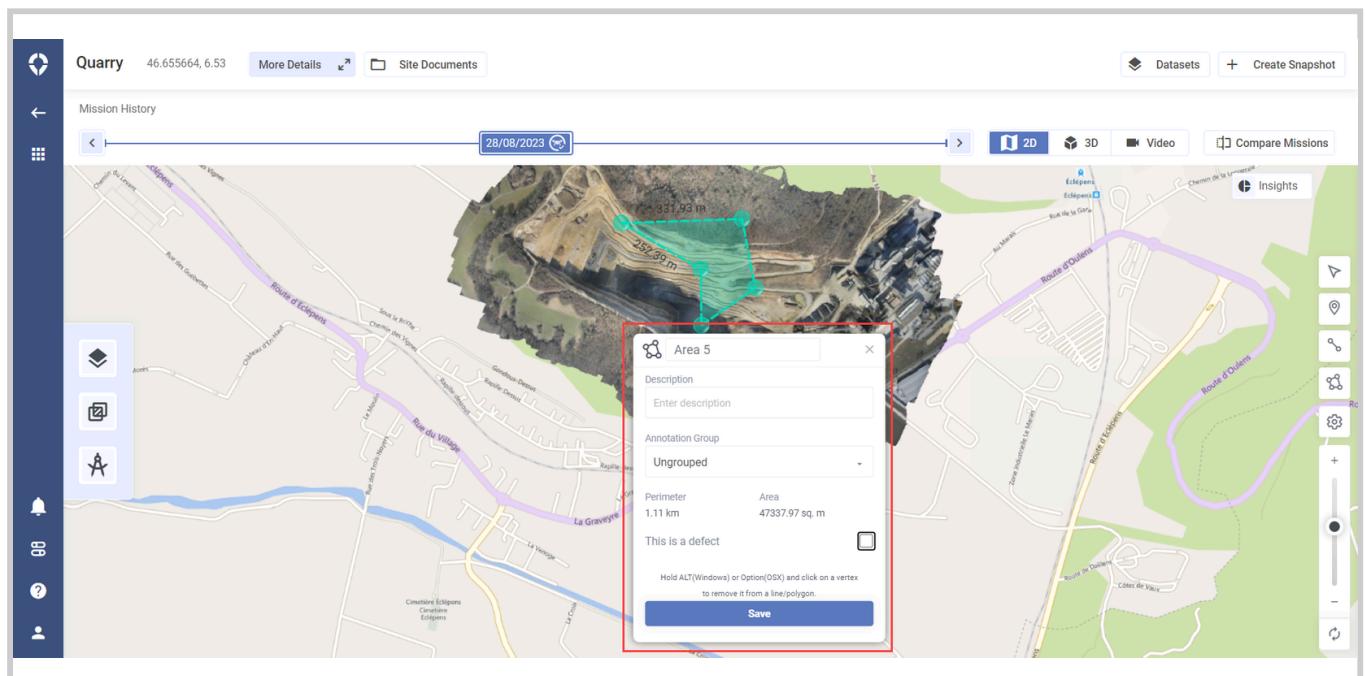
Selecting Polygon Annotation

2. On the map, click the starting point of the polygon.
3. Move your cursor to the next point of the polygon and click to define one edge of the polygon.
This is displayed as a blue line on the map.
4. Repeat step 3, as needed, to draw all sides of the polygon.
5. When you reach the last point, double-click to complete the polygon. A dotted line connecting all the points of the polygon is displayed on the screen and a pop-up for this polygon annotation opens, displaying the area and perimeter of the polygon.

0:00 / 0:09

Marking the Polygon Annotation

6. Click **Save as Annotation**. The pop-up expands displaying more options.



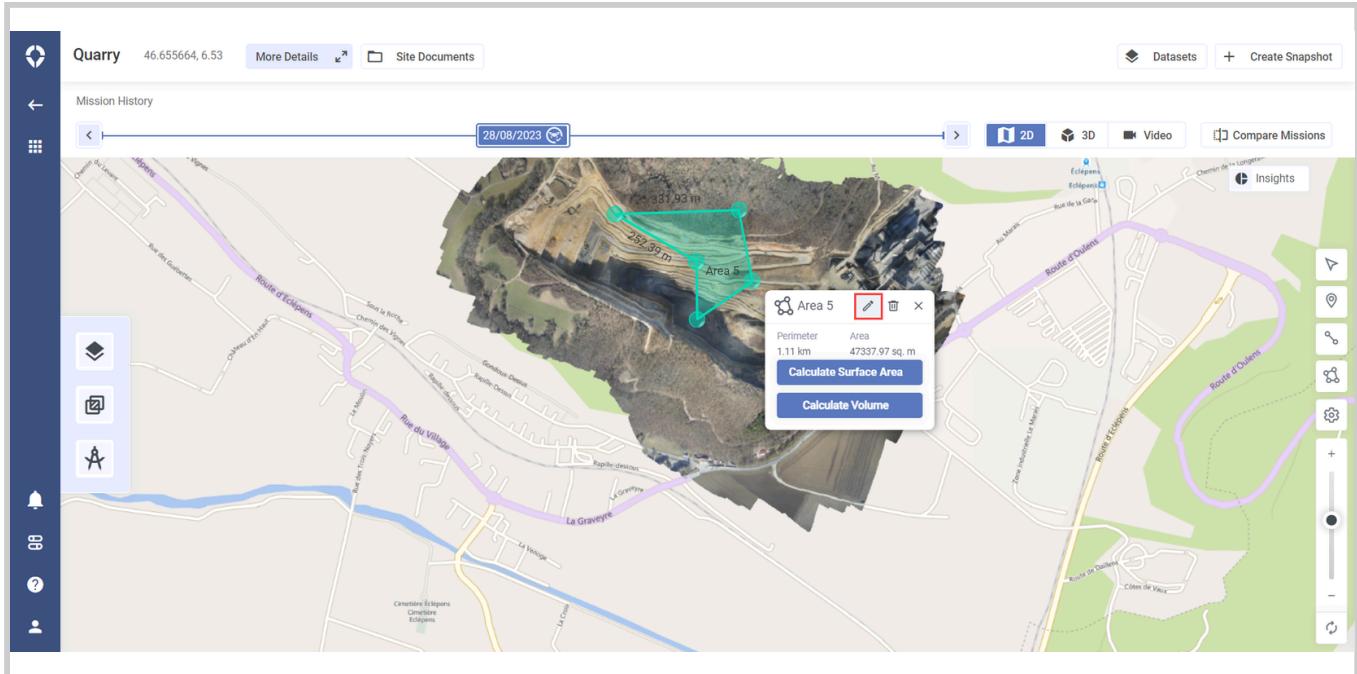
Saving the Polygon Annotation

The following options are available here:

Option	Description
Name	<p>Enter a name for the polygon annotation.</p> <p>By default, the name of every new polygon annotation will be displayed as Area 'n'.</p>
Description	Describe the purpose for this annotation.
Annotation Group	<p>Select the group under which you want to group this annotation.</p> <p>For more information on annotating groups, click here.</p>
This is a defect	Select this checkbox if you want to mark this area on the map as a defect. A defect could either be fault at that location or a defect in the 2D data that you are visualizing.
Severity	<p>Mark the severity of the annotation where 1 denotes low severity and 5 denotes high severity.</p> <p>This option is displayed only when you select the This is a defect checkbox.</p>

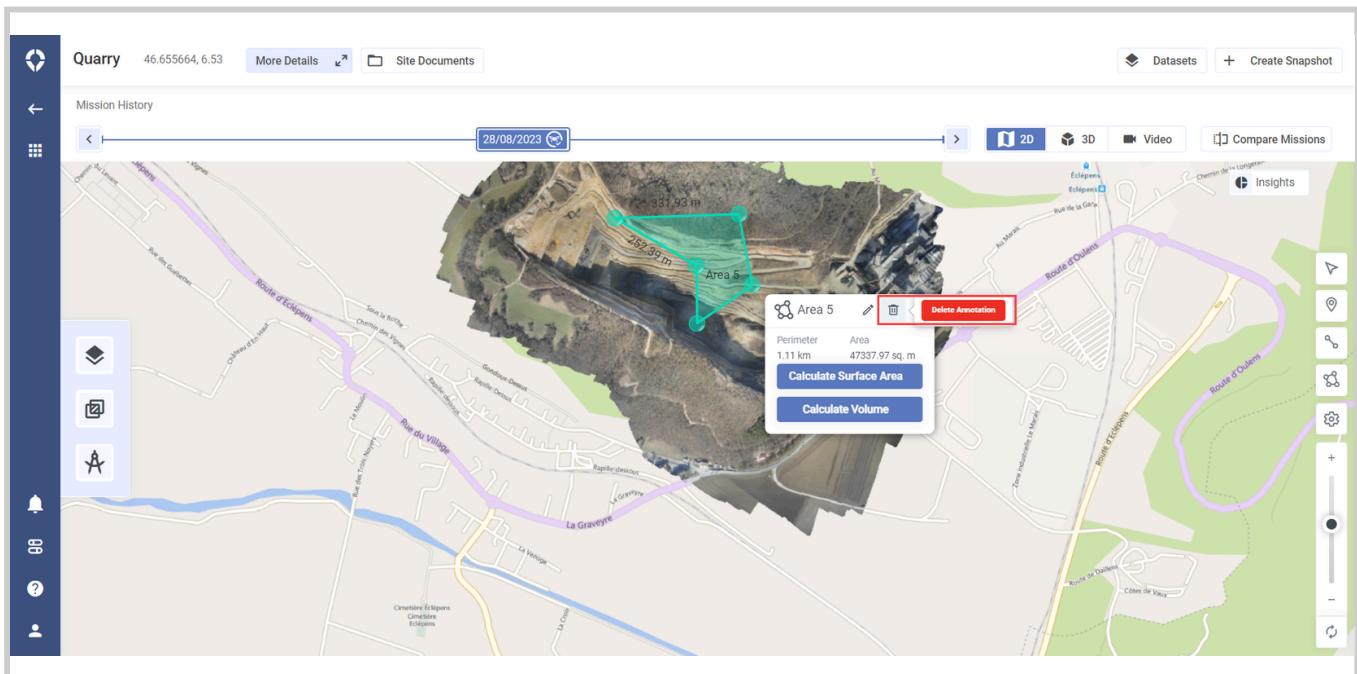
7. Click **Save**.

8. To rename the annotation and modify other attributes, click the annotation and then click the **edit** icon.



Editing the Polygon Annotation

- To delete the annotation, click the annotation, click the **delete** icon and then click **Delete Annotation**.



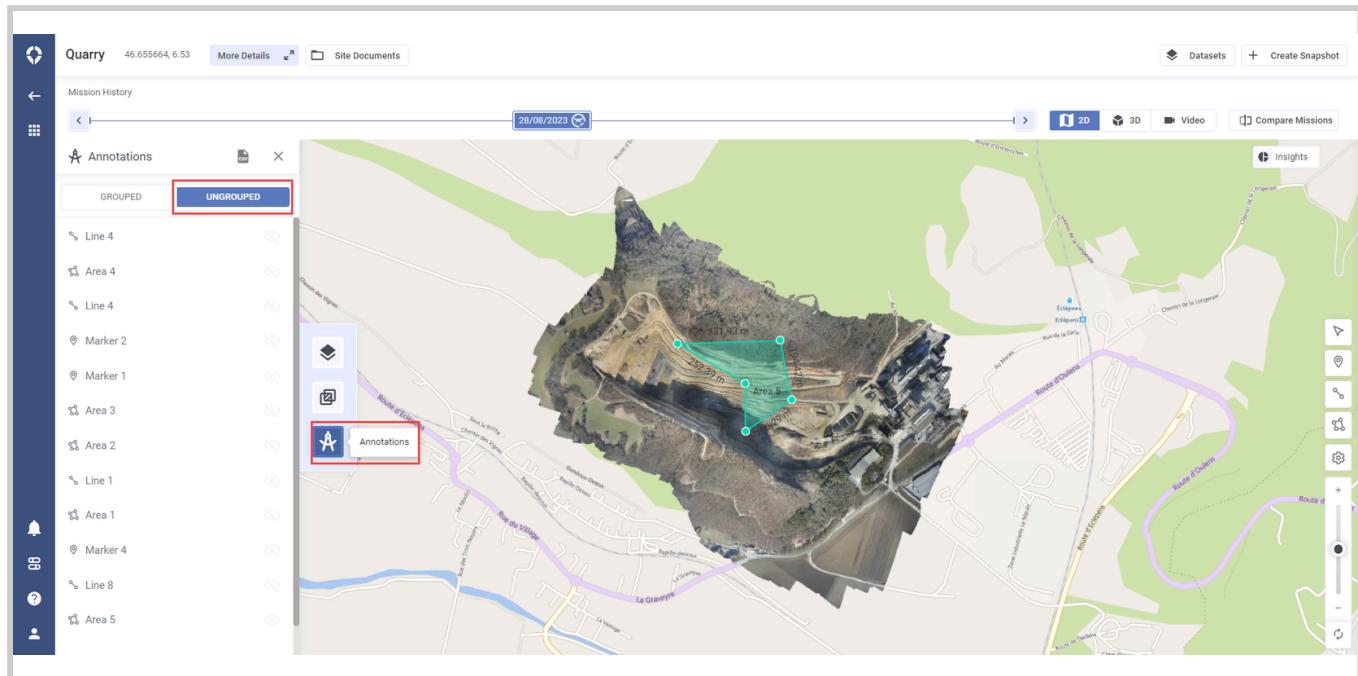
Deleting the Polygon Annotation

You can only delete saved annotations. Any annotation marked on the map and not saved disappear when you reload the page. However, this will reload all the layers, overlays and annotation on the map even if you had hidden them earlier.

Annotation Groups

Logical categories of annotations can be created by placing similar annotations in one group. For example, you can group all line annotations together under one group, or group annotations for similar structures such as vehicles, trees, buildings and so on.

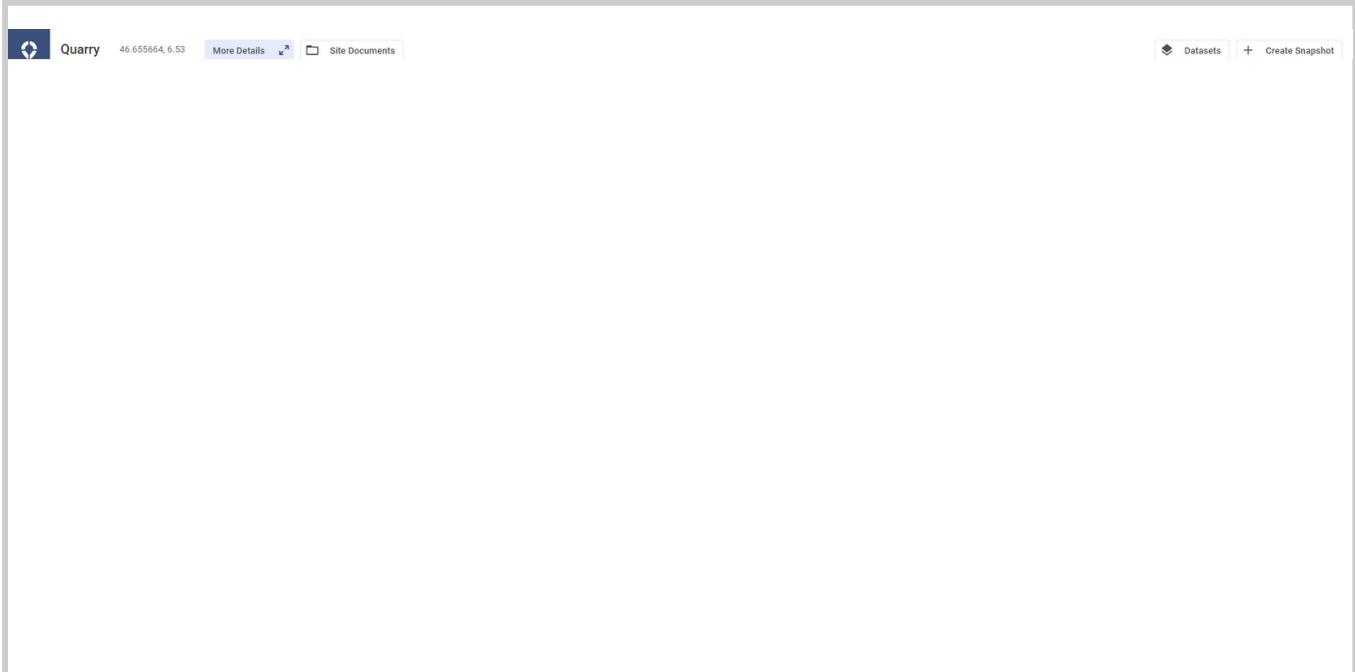
1. In the sidebar, on the left side of the map area, click the **Annotations** icon. The **Annotations** panel displays the **UNGROUPED** tab by default.



Grouping Annotations

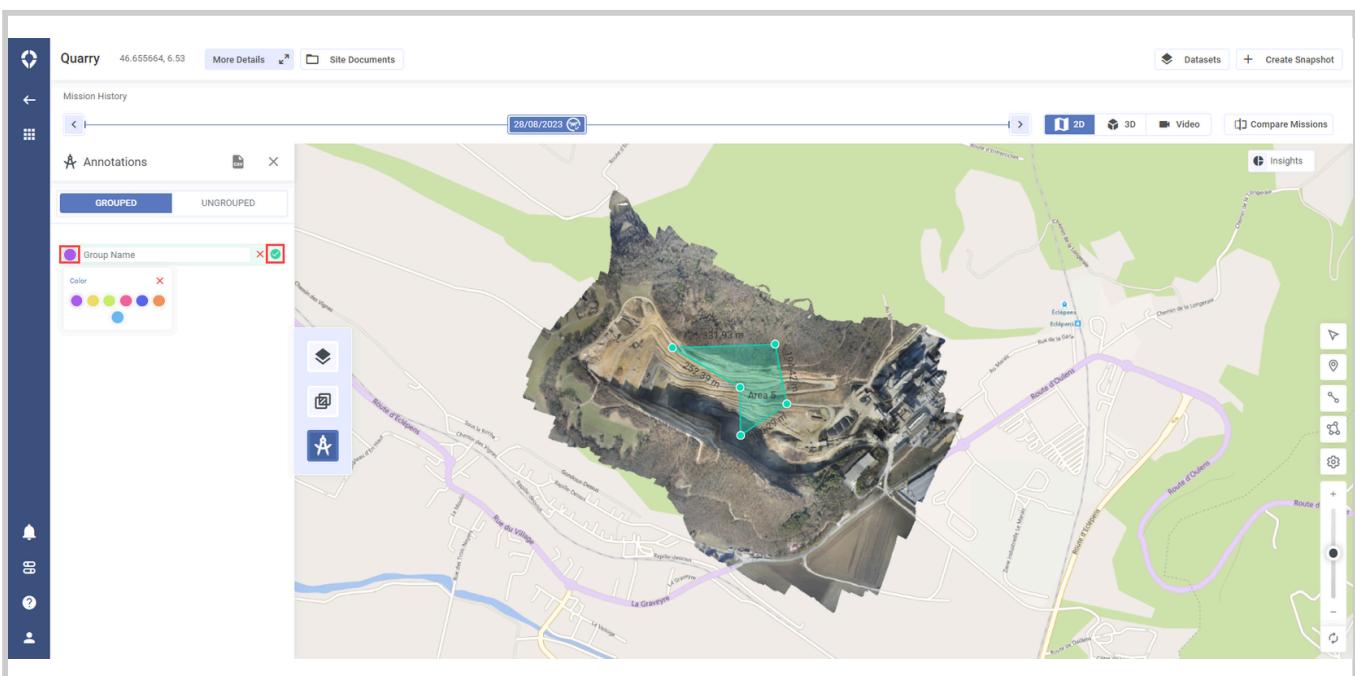
You can download all ungrouped annotations in CSV format by clicking [Download all ungrouped Annotations \(CSV\)](#).

2. To create an annotation group, click the **GROUPED** tab and then click **Add annotation group**.



Adding Annotation Group

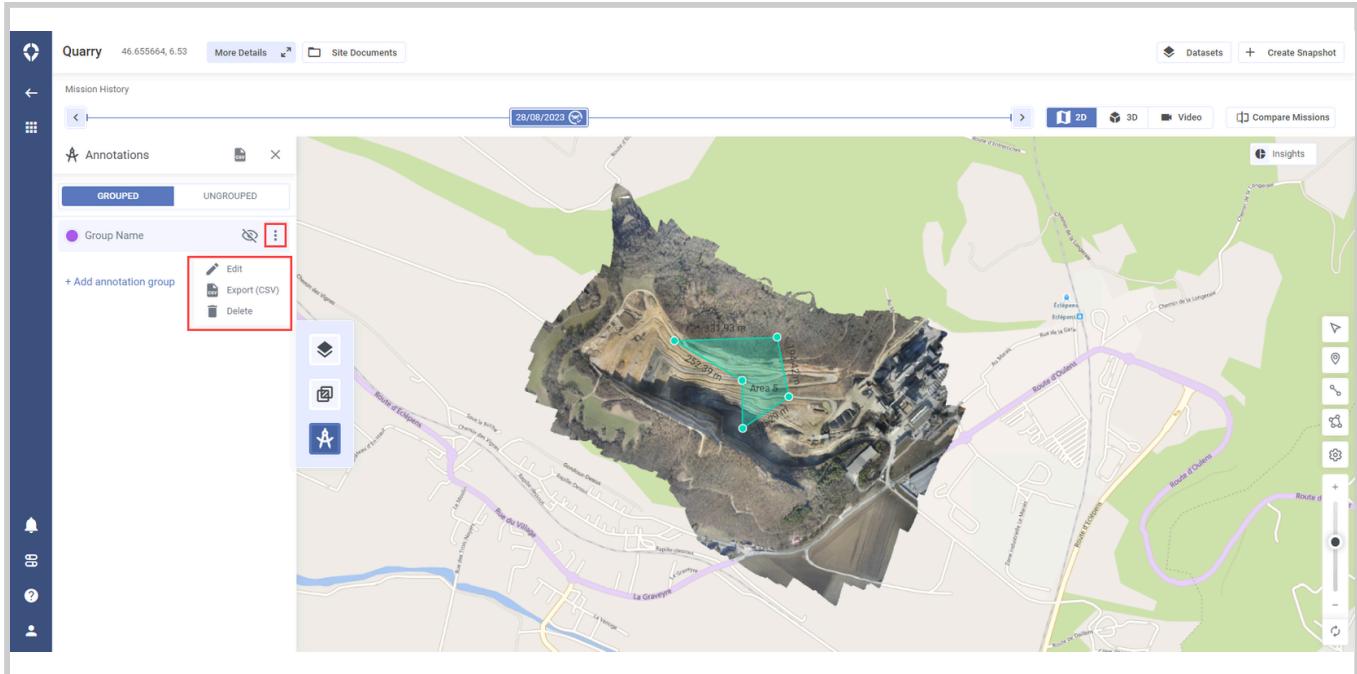
2. Enter the name of the annotation group, select the color to associate with the group and click the green tick mark.



Creation Annotation Group

The new group is created.

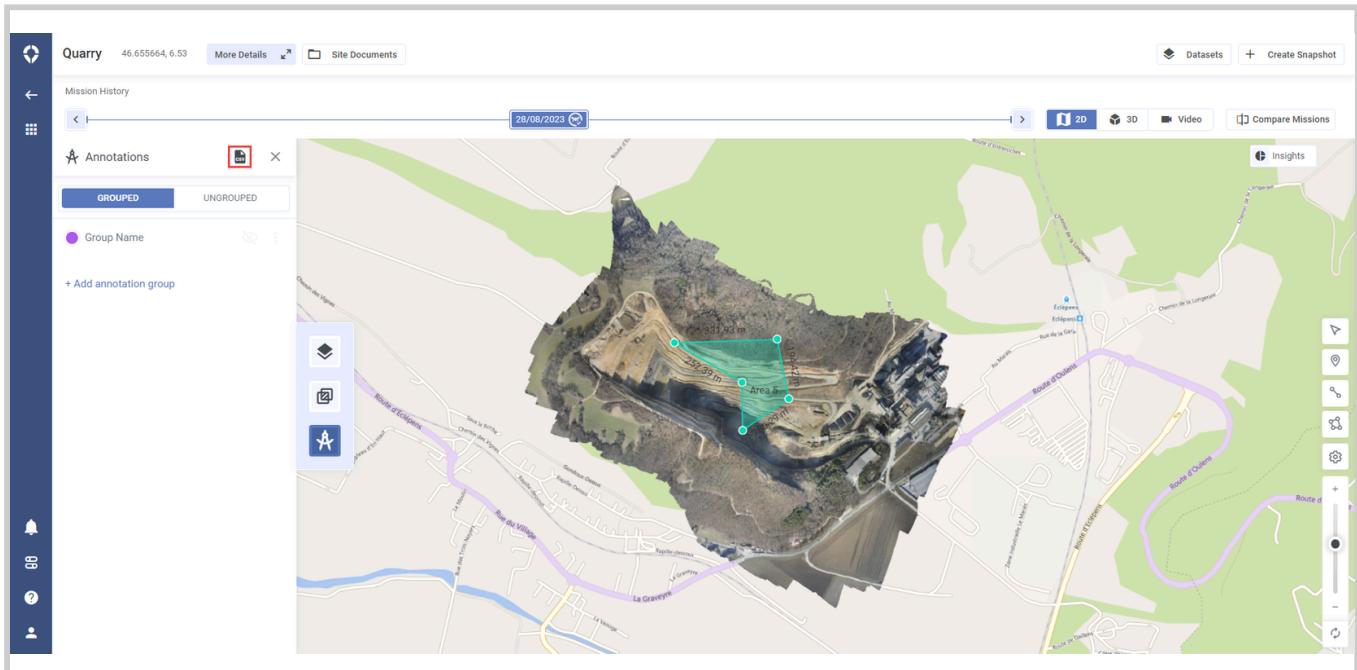
2. Click the **three dot** icon for the following options:



Customizing the Annotation Group

Option	Description
Edit	Allows you to edit the name of the annotation group and change colour associated with the group.
Export (CSV)	Allows you to download the grouped annotations in the CSV format.
Delete	Allows you to delete the annotation group.

To download all the grouped and ungrouped annotations, click the **document** icon.



Downloading All Annotations

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Measurement tools

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