Data Cleaning Manual

Final 50 Feet Project - Alley Inventory
January 21, 2018
How to use this manual?

Data collectors may follow this step-by-step guide on how to use ArcGIS Online (AOL) for data cleaning.

After every data collection shift one member of the team is responsible for:

- **submitting** the surveys conducted that day and
- completing data cleaning of the **submitted data** no later than 24 h after data collection.
Submit data cleaning report

After every data cleaning appointment, submit the following information by posting a message in our team facebook group:

● Picture of your base map clearly showing the city blocks that you inspected
● Last Survey ID on your basemap
● Number of surveys that you did that day of data collection
● Team members names
● Your RA supervisor for that data collection appointment

Facebook group:
[SCTL WQ18 Data Collection] - Task Order 4 - Alley's Project
What do we mean with data cleaning?

Involves the following types of edits:

1. Geolocation of alley features:
   a. Start and end extreme points

2. Alley information:
   a. Missing surveys
   b. Name of streets
   c. Block face of city block

3. Link with other databases:
   a. Wrong alley's TNET ID
   b. Wrong freight parking infrastructure ID
How to access the database in AOL?

First, you need to log in AOL through the UW enterprise URL with your UW netID. If you do not know how to log in AOL with your UW netID, use the following link:
How to access the database in AOL?

We will use a hosted feature layer in AOL to edit the data. The feature layer can be accessed through the following link:

Alley Survey Hosted Feature Layer
Editor view
Panel Contents

Point features in the panel:
1. Extreme point start
2. Parking
3. Extreme point end
Panel Contents

Point features in the panel:
1. Extreme point start
2. Parking (turn off)
3. Extreme point end (turn off)
Feature information panel

<table>
<thead>
<tr>
<th>Alley_Inventory_Survey</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KEY_ID</strong></td>
</tr>
<tr>
<td><strong>Date of survey</strong></td>
</tr>
<tr>
<td><strong>Time of survey</strong></td>
</tr>
<tr>
<td><strong>What is the survey id on the hard copy map?</strong></td>
</tr>
<tr>
<td><strong>Is the alleyway shown in the base map?</strong></td>
</tr>
<tr>
<td><strong>What is the TNET id on the map?</strong></td>
</tr>
<tr>
<td><strong>Does the alley exist?</strong></td>
</tr>
</tbody>
</table>

- **Zoom to** Edit
- **Show Related Records**
Start edition mode
Review of start extreme point
Review of start extreme point

- Chose a **Survey ID** on your hard copy map. Is the survey in AOL?

- Is the **alley's TNET ID** correct?

*Remember: If the alley is not shown in the basemap TNET ID = 999*
Review of start extreme point

If extreme point = access point

- Is the name of the street that you wrote in field correct?
- Did you correctly identified the city block face of the access point?
Review of start extreme point

If extreme point = intersection with another alley:

- Is the name of the street that you wrote in field correct?
Review of start extreme point

- Is the geopoint off or does not match what you have on the hard copy map filled in field?
Review of end extreme point
Access end extreme point table

1. Exit Edition mode
2. Access feature information panel of the survey
3. Click on Show Related Records -> Extreme.Point.End
### Access end extreme point table

<table>
<thead>
<tr>
<th>type of point is surveyed?</th>
<th>What is the name of the street closest to the alley's access point?</th>
<th>What type of street is it?</th>
<th>Input the length from the curb to the alley's access point</th>
<th>Where is the access point located?</th>
<th>Input the apron width</th>
<th>Input the apron cross slope</th>
<th>Relationship, Main, Private, Entrances</th>
<th>Photos and Files</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stewart St.</td>
<td></td>
<td></td>
<td></td>
<td>North or East face of the city block</td>
<td>(1) Show</td>
<td>(0) Add</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Review of end extreme point

Once you can see the table Extreme.Point.End

- Is the **name of the street** that you wrote in field correct?
- Did you correctly identified the city **block face** of the access point?
Review of end extreme point

Turn on the point feature “Extreme.Point.End” through the Contents panel

- Is the geopoint off or does not match what you have on the hard copy map filled in field?
Report your edits of extreme points

Report your edits and issues that you can not correct by typing observations in the field DATA_CLEAN of the corresponding survey.
Review of freight parking

Compare old and new pictures of the infrastructure
Access alley’s parking table

Use the Contents panel to:

1. Turn on only the point feature Alley Inventory Survey - Parking
2. Show parking table by clicking on the table icon
Access alley’s parking table

Hide/show some columns of the parking table to only show the following columns:

- **Column**: *Is the parking facility access already in the basemap as a loading bay?*
- **Column**: *Input the loading bay ID as shown in the basemap*
- **Column**: *Gather additional observations*
- **Column**: *CreationDate*
- **Column**: *Creator*
- **Column**: *Photos and Files*
Access alley’s parking table

Hide/show some columns of the parking table to only show the following columns:

<table>
<thead>
<tr>
<th>Alley Inventory Survey - Parking (Features: 10, Selected: 0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the parking facility access already in the basemap as a loading bay?</td>
</tr>
<tr>
<td>-------------------------------------------------------------</td>
</tr>
<tr>
<td>Yes</td>
</tr>
<tr>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
</tr>
<tr>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
</tr>
</tbody>
</table>
Review all loading bays at once:

Sort the table by the column “Creator”. Use the visible information from the parking table to review the pictures of parking facilities that:

- Show your UW user name in the Creator column
- Show the right date when you collected the data under Creation Date column
- Were identified in the basemap as loading bays

YOU NEED TO CHECK THE FOLLOWING:

1. Is the loading bay ID that you wrote on field correct?
2. Compare the pictures that you took of the parking facility with the pictures with the same ID from the old database, are they the same?
HOW TO FIND THE OLD PICTURE OF A LOADING BAY FOUND IN FIELD?

STEP 1: Look for the old picture ID using the Loading bay ID collected in field

Loading bay ID found in field

Loading bay ID in AOL after survey submission

Old picture ID from OLDPICTURES.PDF
HOW TO FIND THE OLD PICTURE OF A LOADING BAY FOUND IN FIELD?

**STEP 2:** Compare the old picture and the picture that you collected in field, are they the same?

Old picture from OLDPICTURES.pdf

VS.

Loading bay picture from Alley Survey (SCTL)
Report issues with loading bays:

Type any issues that you may find about the reviewed loading bays under “Gather additional observations” column.
REMEMBER! Submit data cleaning report

After every data cleaning appointment, submit the following information by posting a message in our team Facebook group:

- Picture of your base map clearly showing the city blocks that you inspected
- Last Survey ID on your basemap
- Number of surveys that you did that day of data collection
- Team members names
- Your RA supervisor for that data collection appointment

Facebook group:
[SCTL WQ18 Data Collection] - Task Order 4 - Alley's Project