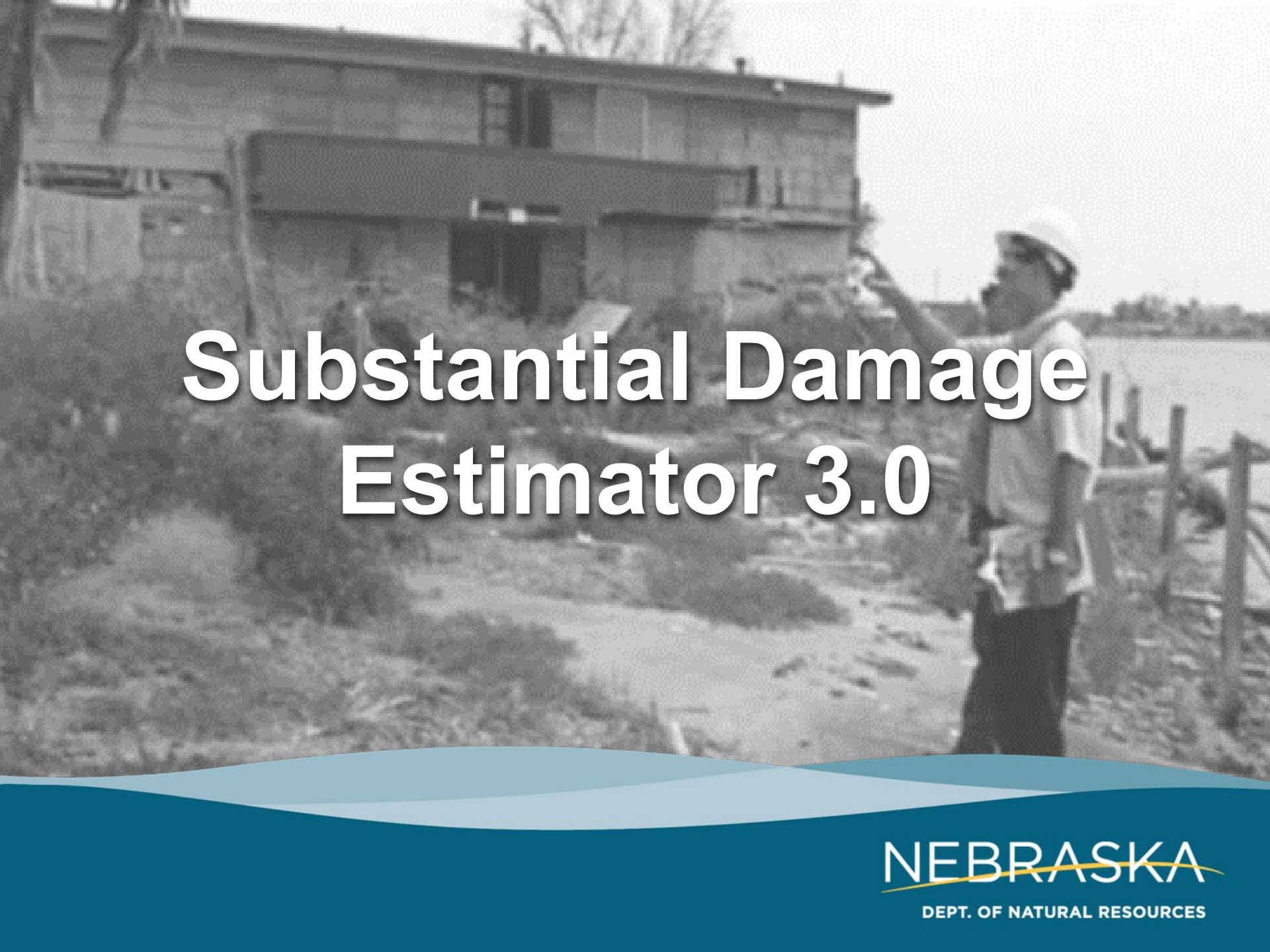

Substantial Damage Estimator 3.0

NEBRASKA
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Purpose of the SDE 3.0

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Why Use SDE 3.0

- The Substantial Damage Estimator (SDE) Version 3.0 Tool was developed by the Federal Emergency Management Agency (FEMA) to assist state and community officials in estimating Substantial Damage to residential and non-residential structures
- Damage must be determined as substantial or non-substantial in order to properly permit repairs

How Does it Benefit the Floodplain Administrator?

- A formalized and organized approach for estimating Substantial Damage and Substantial Improvement
- Reasonable and defensible structure-specific values and damage estimates
- Demonstration of compliance with the NFIP requirements for Substantial Damage determinations
- A FEMA-accepted method for determining Substantial Damage and Substantial Improvement
- Structure-specific summary reports that can be included with Substantial Damage determination letters sent to structure owners
- Summary reports that can be used in support of the Increased Cost of Compliance (ICC) claims

How Does it Work?

- Simply plug in information about the structure:
  - Type of structure: Single family, Business, Condo, etc.
  - Size of structure
  - Foundation
- Input the estimated percent of damage for each element of the structure:
  - Roof
  - Exterior (siding)
  - HVAC
- The program spits out a percentage

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Download Program

Go to http://www.fema.gov/ & type SDE in the search box

The Installation Guide provides detailed installation instructions: https://www.fema.gov/sites/default/files/2020-07/sde_read_me_-_SDE_3.0_Tool_Installation_Guide.pdf

Open Program

Perform a Substantial Damage Estimation

Questions?

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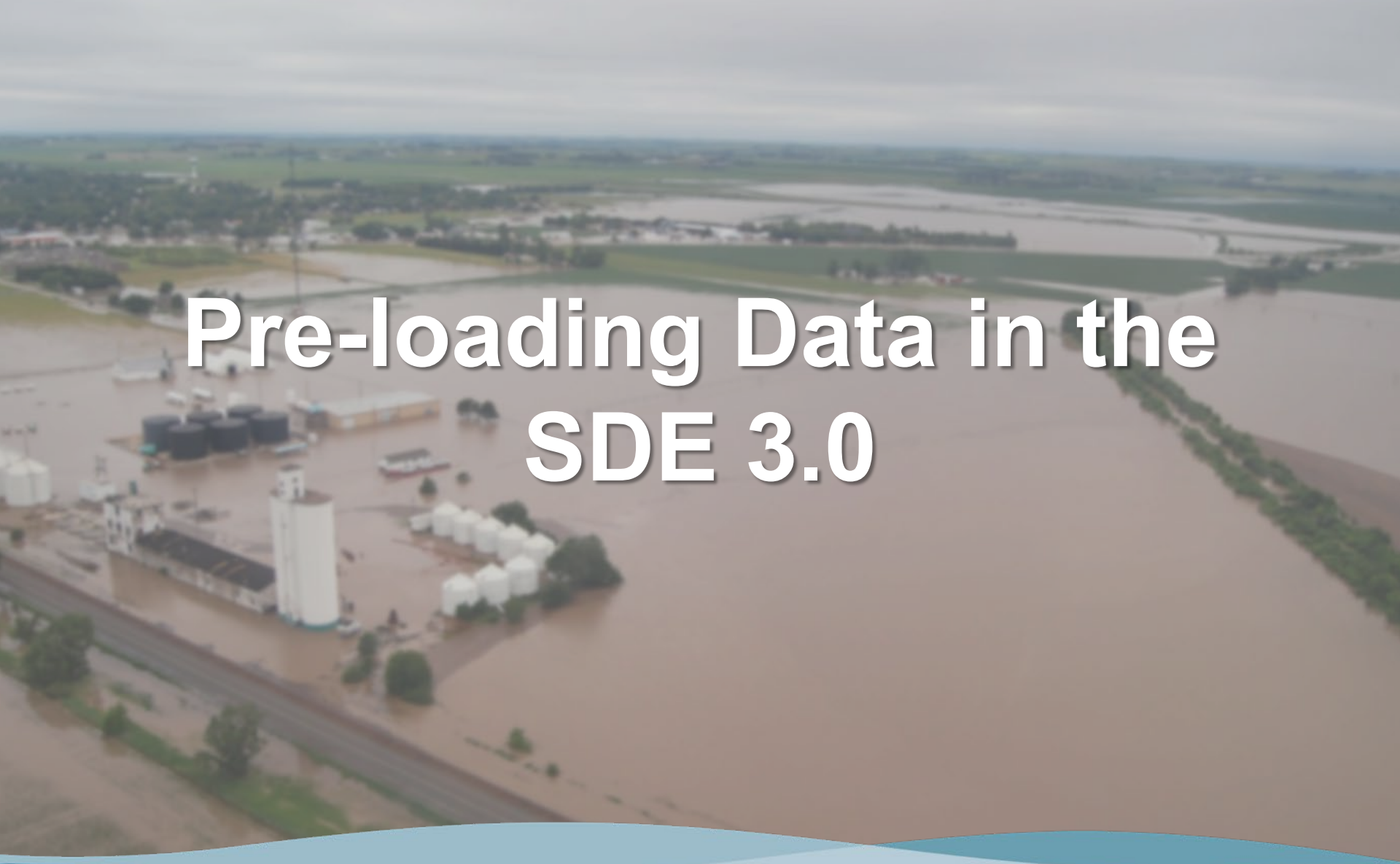

Pre-loading Data in the SDE 3.0

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What if Half the Work was Already Done BEFORE the Disaster?

Can your community employ a college or even high school temporary intern to input data?

You Can Create a Database of Properties in the Floodplain NOW and Know What Properties to Assess in Times of Disaster

Use the assessor page to input basic information about structures in the floodplain

Real-Time Using the Assessor Page

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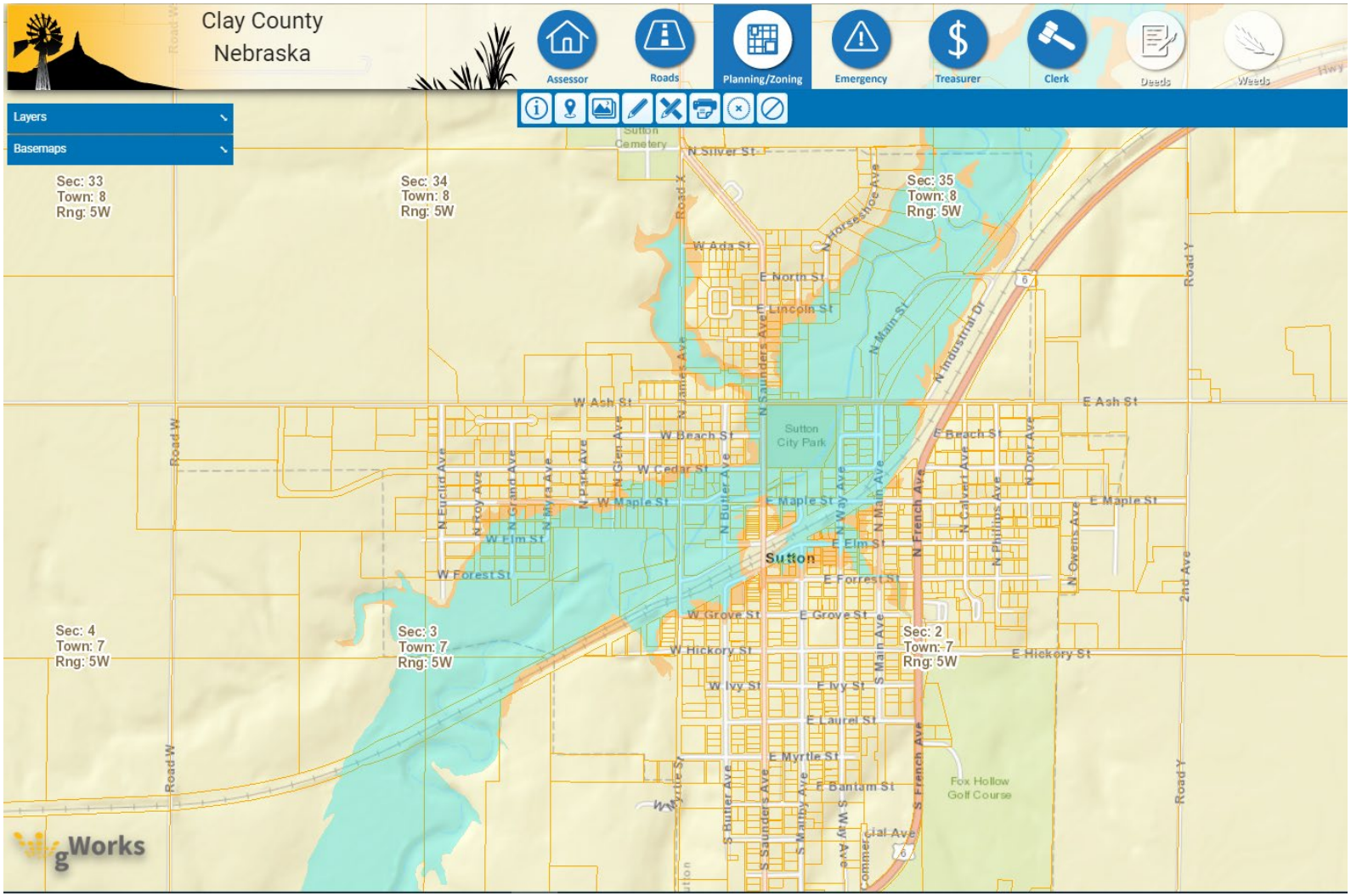
Sutton, NE



Clay County
Nebraska
Assessor
Roads
Planning/Zoning
Emergency
Treasurer
Clerk
Deeds
Weeds
Layers
Basemaps
Sec: 33
Town: 8
Rng: 5W
Sec: 34
Town: 8
Rng: 5W
Sec: 35
Town: 8
Rng: 5W
Sec: 4
Town: 7
Rng: 5W
Sec: 3
Town: 7
Rng: 5W
Sec: 2
Town: 7
Rng: 5W
Sutton
Sutton City Park
Fox Hollow Golf Course
gWorks

Uploading a Batch Property List

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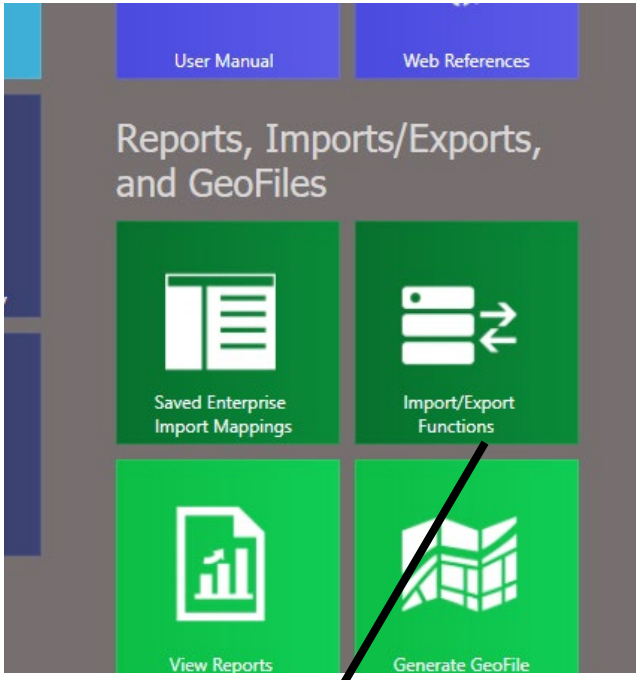
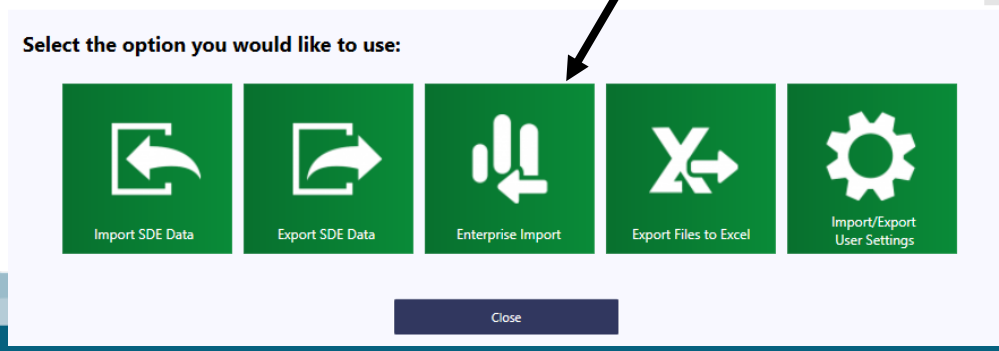
SDE 3.0 Property Upload Tool

- Lists of properties can be uploaded using an Excel spreadsheet
- Can save time for communities with many structures in floodplain
- Uses the “Enterprise Import” function



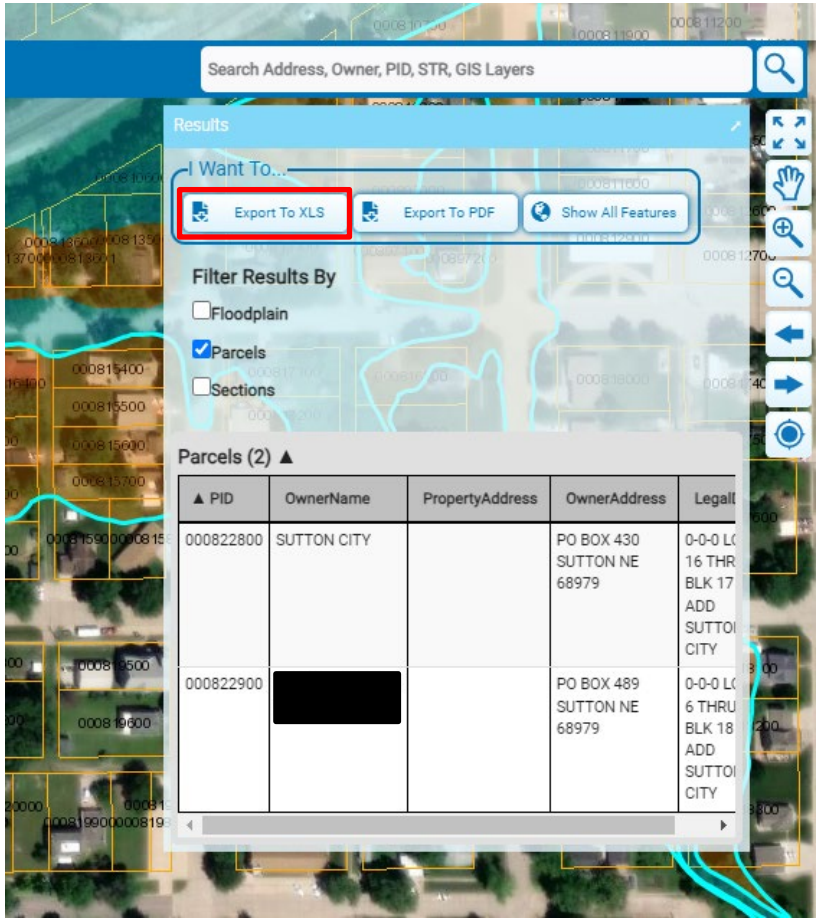


Step 1: Create the List of Properties

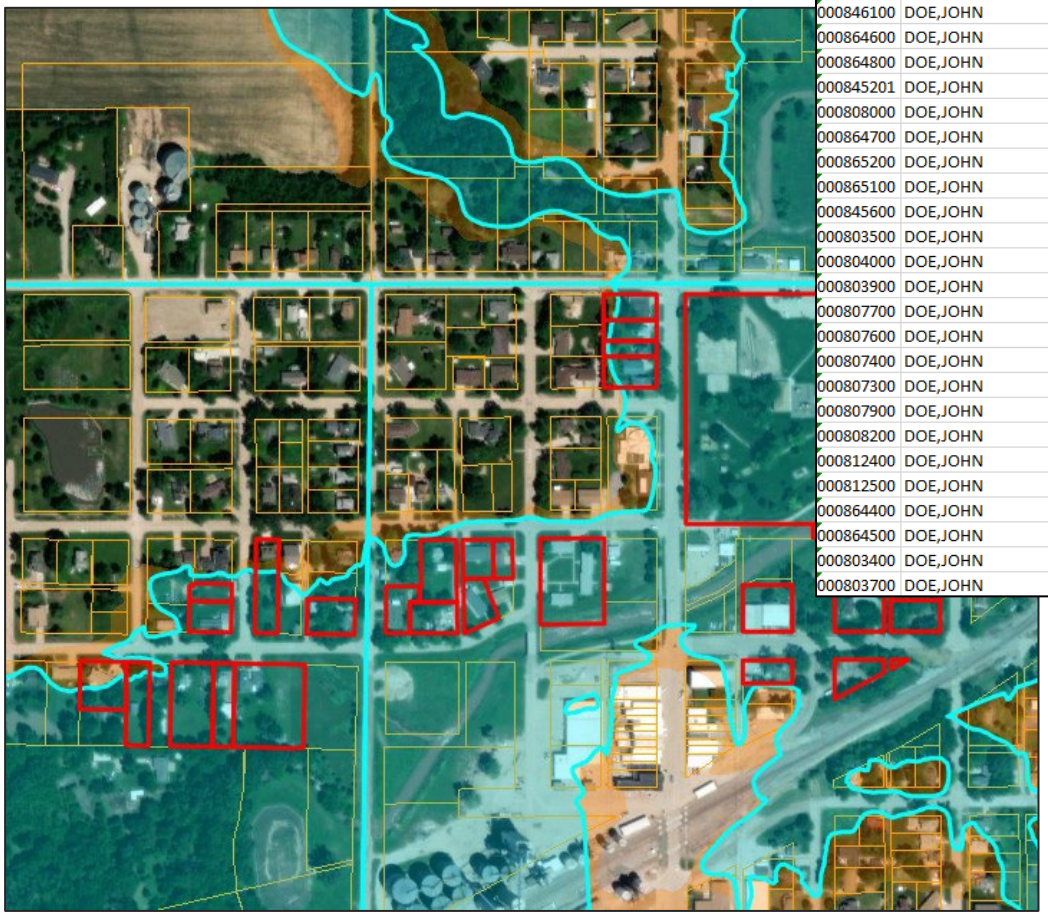
- We recommend using your county assessor's G-works (or similar) website
  - Users can pull a list of properties into an excel sheet
  - Assessor's office may be able to help
  - Works best with a floodplain layer
    - https://msc.fema.gov/portal/home

Step 1: Create the List of Properties

- Hold “Ctrl” and select each parcel
- Then click “Export to XLS”



Step 1: Create the List of Properties



PID	OwnerName	PropertyAddress	OwnerAddress
000846400	DOE,JOHN	410 W MAPLE SUTTON	31353 DEERFIELD CIRCLE CLAY CENTER NE 68933
000846300	DOE,JOHN	406 W MAPLE SUTTON	PO BOX 218 SUTTON NE 68979
000846100	DOE,JOHN	312 W MAPLE SUTTON	PO BOX 113 SUTTON NE 68979-0113
000864600	DOE,JOHN	207 N MYRA SUTTON	207 NORTH MYRA AVENUE SUTTON NE 68979
000864800	DOE,JOHN		506 WEST MAPLE SUTTON NE 68979
000845201	DOE,JOHN		101 LOCH VIEW DRIVE HASTINGS NE 68901
000808000	DOE,JOHN	205 W MAPLE SUTTON	PO BOX 93 SUTTON NE 68979
000864700	DOE,JOHN	506 W MAPLE SUTTON	506 WEST MAPLE SUTTON NE 68979
000865200	DOE,JOHN		612 WEST MAPLE SUTTON NE 68979
000865100	DOE,JOHN	512 W MAPLE SUTTON	PO BOX 145 SUTTON NE 68979
000845600	DOE,JOHN	403 W MAPLE SUTTON	PO BOX 273 SUTTON NE 68979
000803500	DOE,JOHN	411 N MAIN SUTTON	PO BOX 724 SUTTON NE 68979
000804000	DOE,JOHN	303 E BEECH SUTTON	PO BOX 695 SUTTON NE 68979
000803900	DOE,JOHN	408 WAY SUTTON	2831 TIERRA DRIVE APT 202 LINCOLN NE 68516
000807700	DOE,JOHN	203 W MAPLE SUTTON	PO BOX 102 SUTTON NE 68979
000807600	DOE,JOHN	201 W MAPLE SUTTON	201 WEST MAPLE SUTTON NE 68979
000807400	DOE,JOHN	204 W CEDAR SUTTON	204 WEST CEDAR STREET SUTTON NE 68979
000807300	DOE,JOHN	311 N BUTLER SUTTON	PO BOX 58 SUTTON NE 68979
000807900	DOE,JOHN	304 N JAMES SUTTON	PO BOX 134 SUTTON NE 68979
000808200	DOE,JOHN	208 W CEDAR SUTTON	31080 ROAD X SUTTON NE 68979
000812400	DOE,JOHN		302 NORTH BUTLER SUTTON NE 68979
000812500	DOE,JOHN		302 NORTH BUTLER SUTTON NE 68979
000864400	DOE,JOHN	204 N GRAND SUTTON	111 CRESTVIEW DRIVE SUTTON NE 68979
000864500	DOE,JOHN		207 NORTH MYRA AVENUE SUTTON NE 68979
000803400	DOE,JOHN		PO BOX 92 SUTTON NE 68979
000803700	DOE,JOHN		111 WEST FAIRFIELD CLAY CENTER NE 68933

Step 2: Format the Excel List

- To upload the list to SDE 3.0, it must be formatted to be compatible
- Use the recommended headings in the User Guide
- Template on our website under “Other Publications”:

  https://dnr.nebraska.gov/floodplain/digital-desk-reference

Post-Disaster Information

Substantial Damage Assessment Handbook

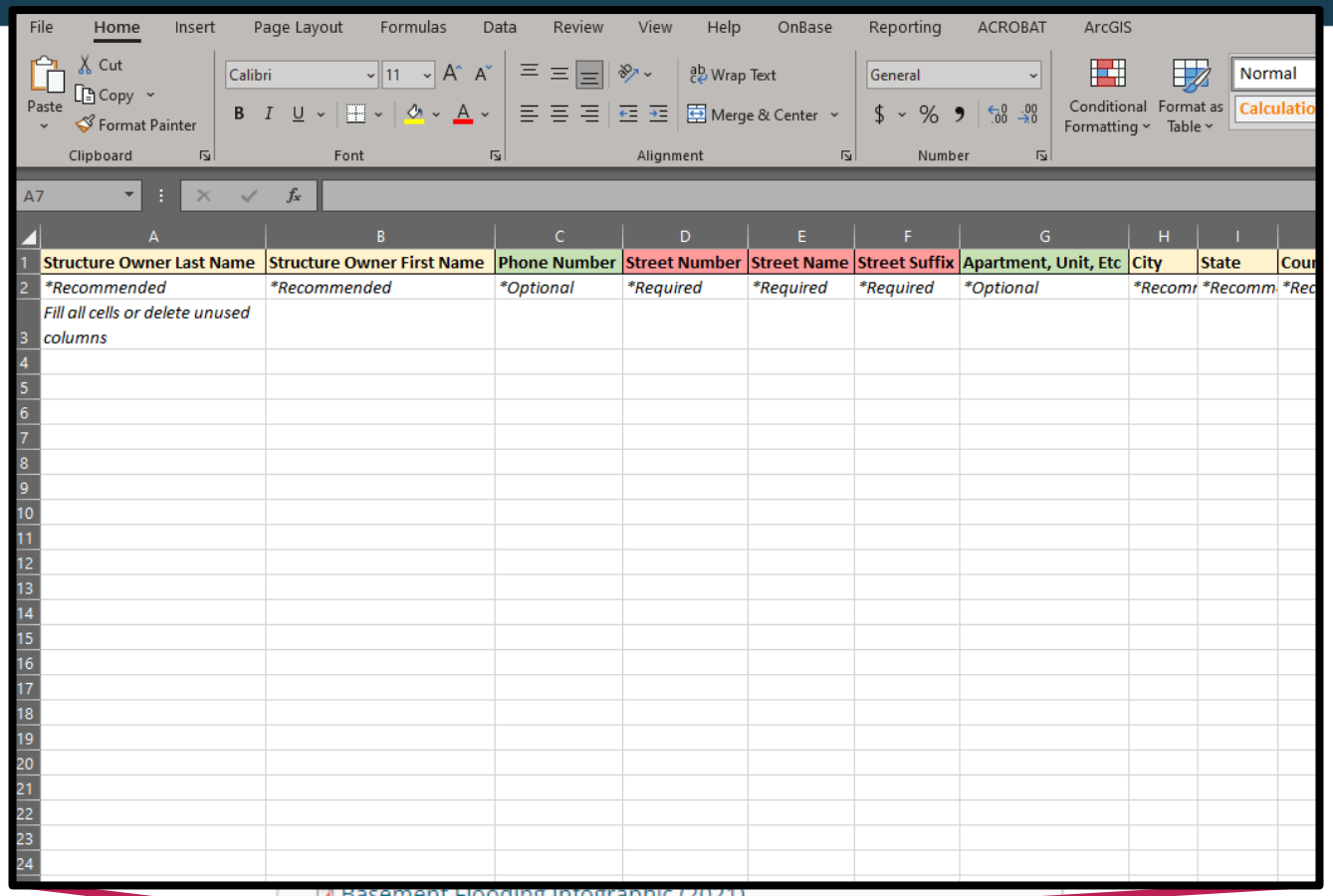
Substantial Damage Assessment Handbook: Forms and Templates

Other Publications

- FEMA Region VII - Managing the Floodplain Post-Disaster
- After the Flood
- Starting Your Recovery - Fact Sheet (2021)
- How to File Your Flood Insurance Claim
- Flood - Coming Home
- NFIP Resource Library
- Beyond the Flood - A Prevention Guide for Personal Health and Safety
- Wind vs Water Damage - Fact Sheet (2021)
- Basement Flooding Infographic (2021)
- SDE 3.0 Enterprise Upload Template

Other Resources

Welcome Guide for New Floodplain Administrators



	A	B	C	D	E	F	G	H	I
1	Structure Owner Last Name	Structure Owner First Name	Phone Number	Street Number	Street Name	Street Suffix	Apartment, Unit, Etc	City	State
2	*Recommended	*Recommended	*Optional	*Required	*Required	*Required	*Optional	*Recomr	*Recomm
3	Fill all cells or delete unused columns								

Basement Flooding Infographic (2021)

SDE 3.0 Enterprise Upload Template

Other Resources

Welcome Guide for New Floodplain Administrators

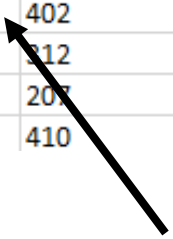
Step 2: Format the List – Required Items

- Must specify Residential or Non-Residential
- Must have columns for Street Number, Street Name, and Street Suffix
- May separate First and Last Name columns, or put full name in one and delete the other

Step 2: Format the List

- Every cell must be occupied

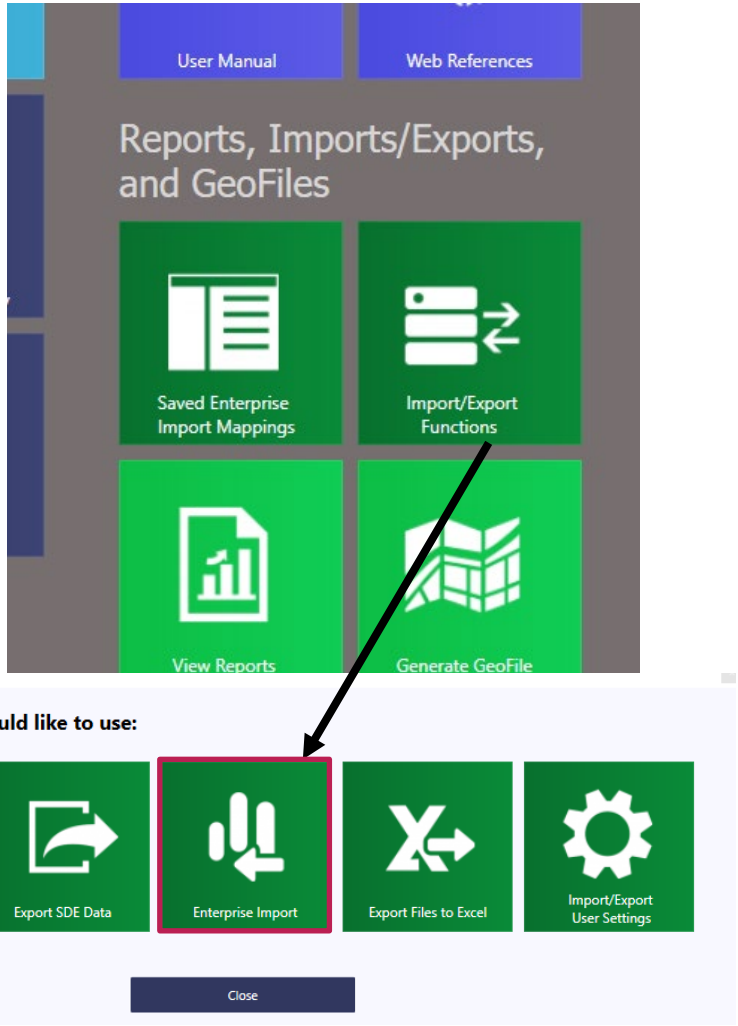
Structure Owner Last Name	Structure Owner First Name	Phone Number	Street Number	Street Name	S
Doe	John	402-471-0640	412	West Maple	S
Doe	Jane	402-471-0641	406	West Maple	S
Doe	John		402	West Maple	S
Doe	Jane	402-471-0643	312	West Maple	S
Doe	John	402-471-0644	207	North Myra	S
Doe	Jane	402-471-0645	410	North Main	S



Entry won't upload. Use N/A or 0 if information is missing

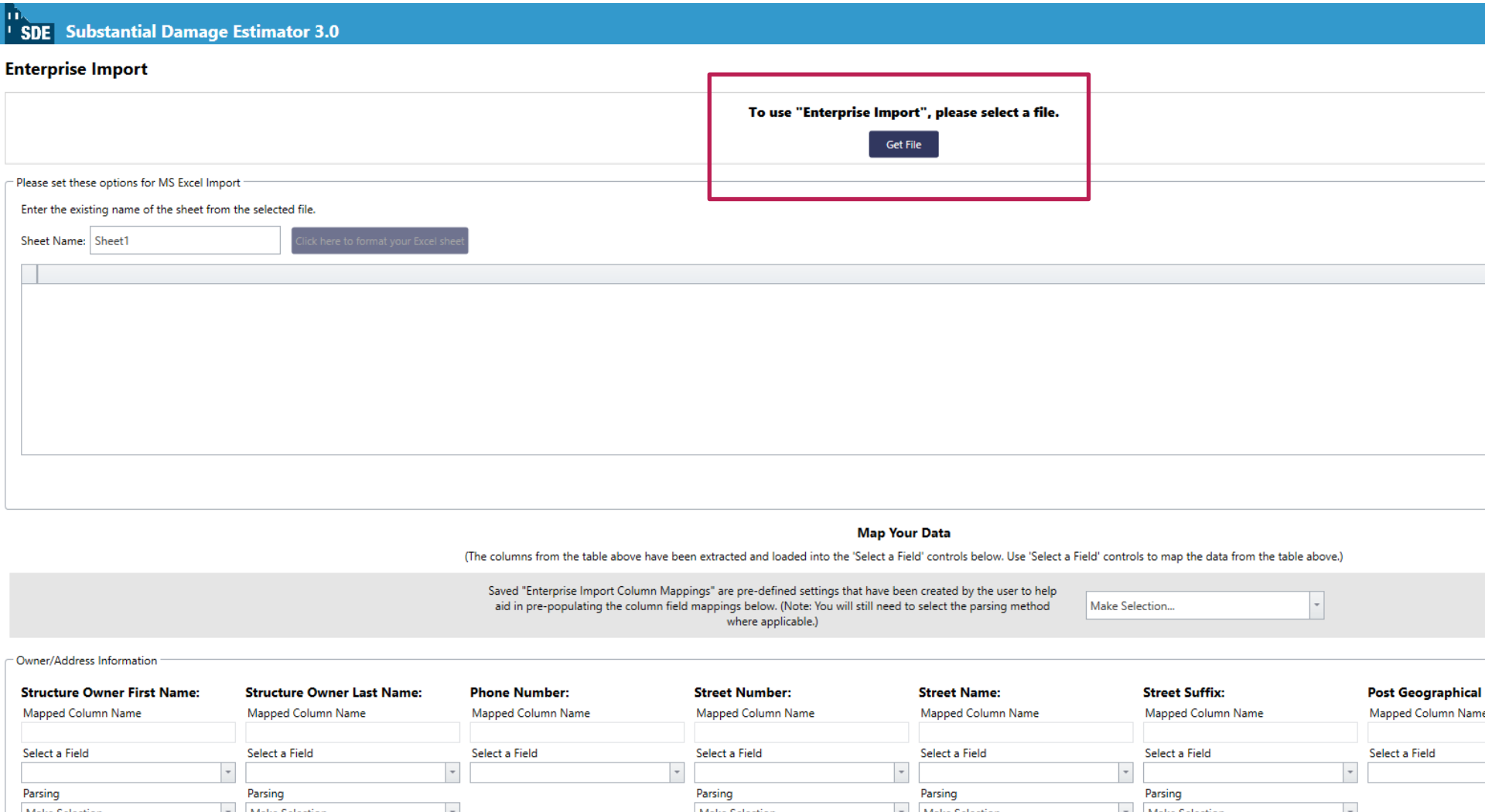
Step 3: Upload to SDE 3.0

- Use the Enterprise Import function



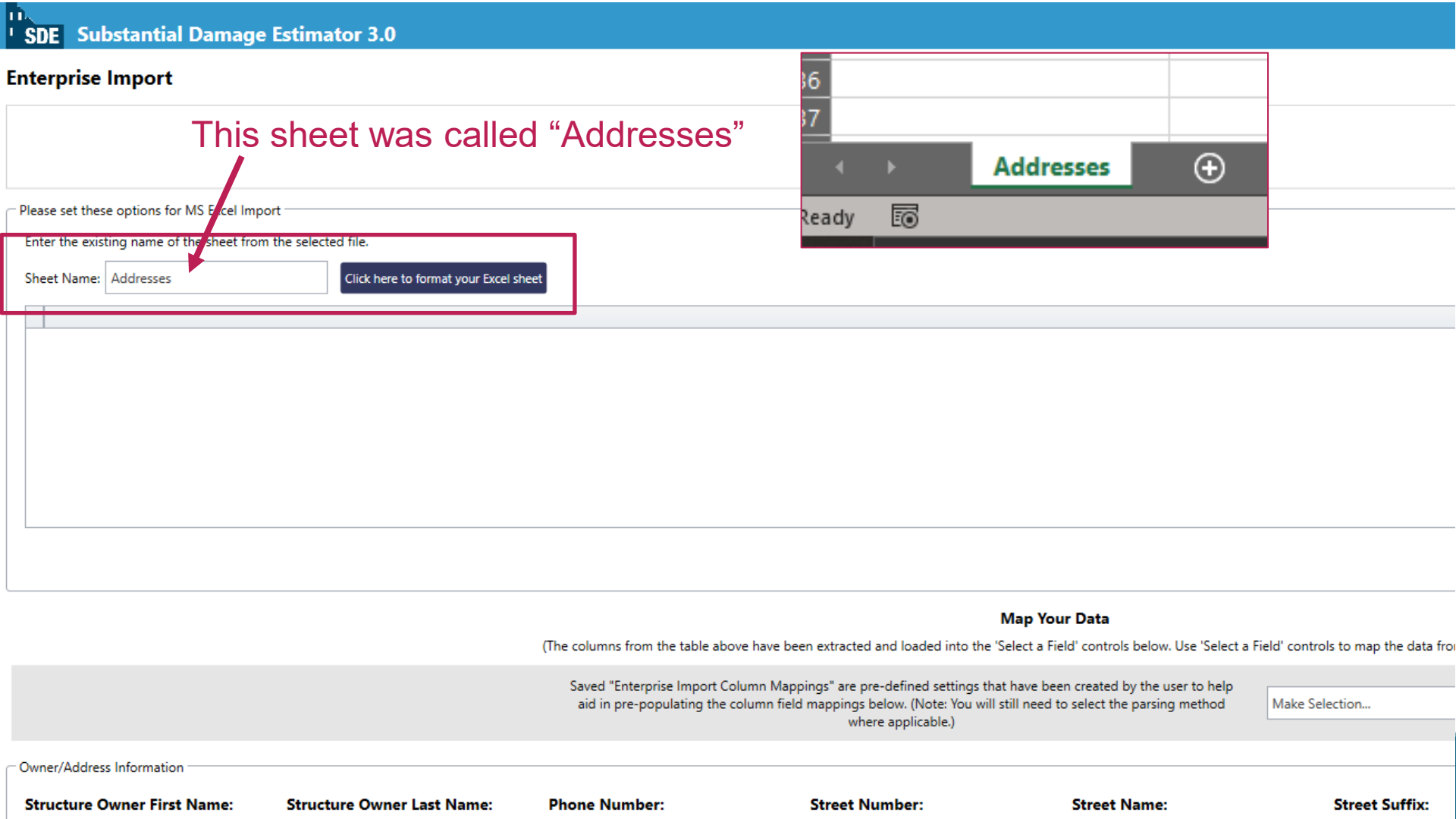
Step 3: Upload to SDE 3.0

- Add the Excel Sheet by clicking “Get File”



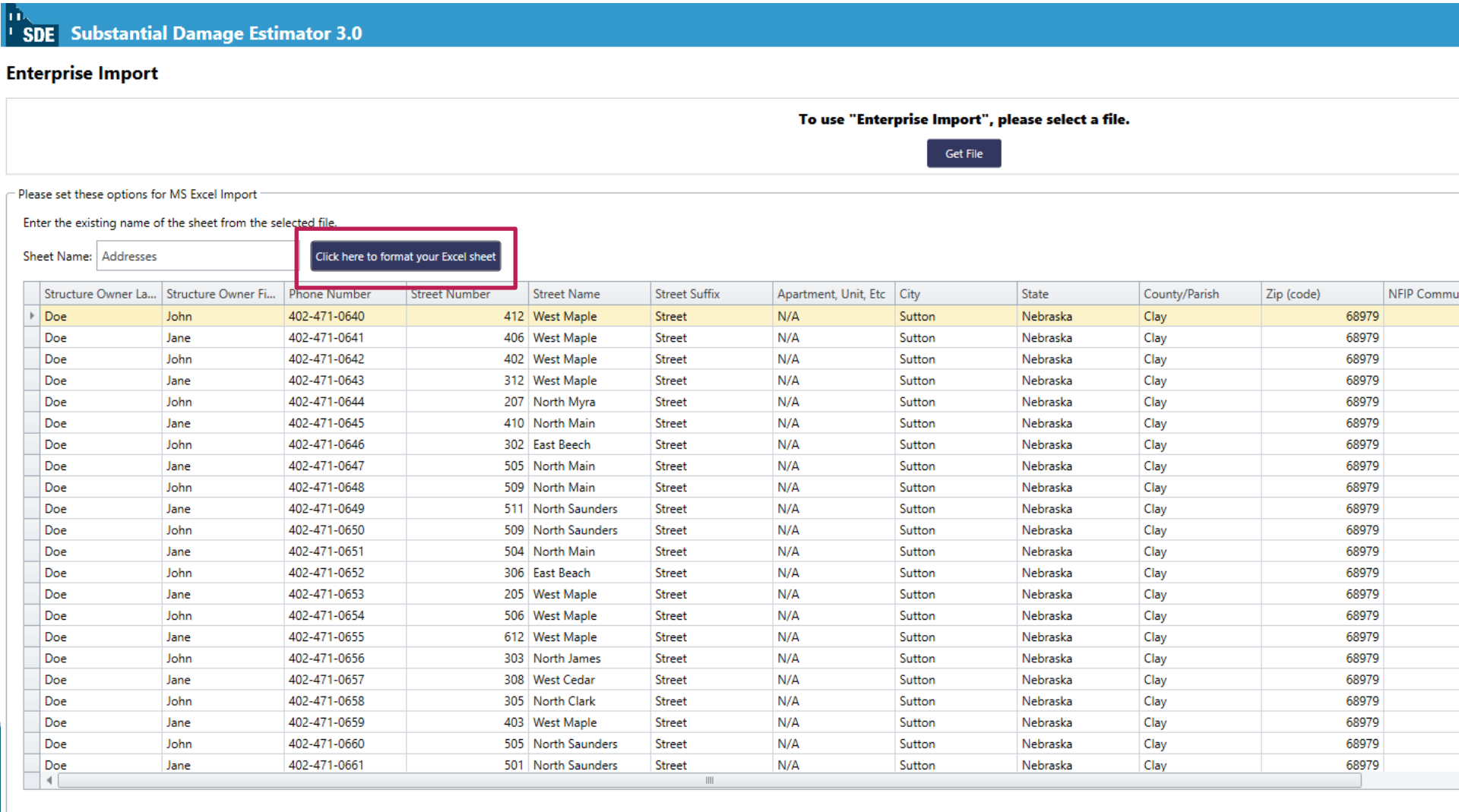
Step 3: Upload to SDE 3.0

- Reference the correct “Sheet” name



Step 3: Upload to SDE 3.0

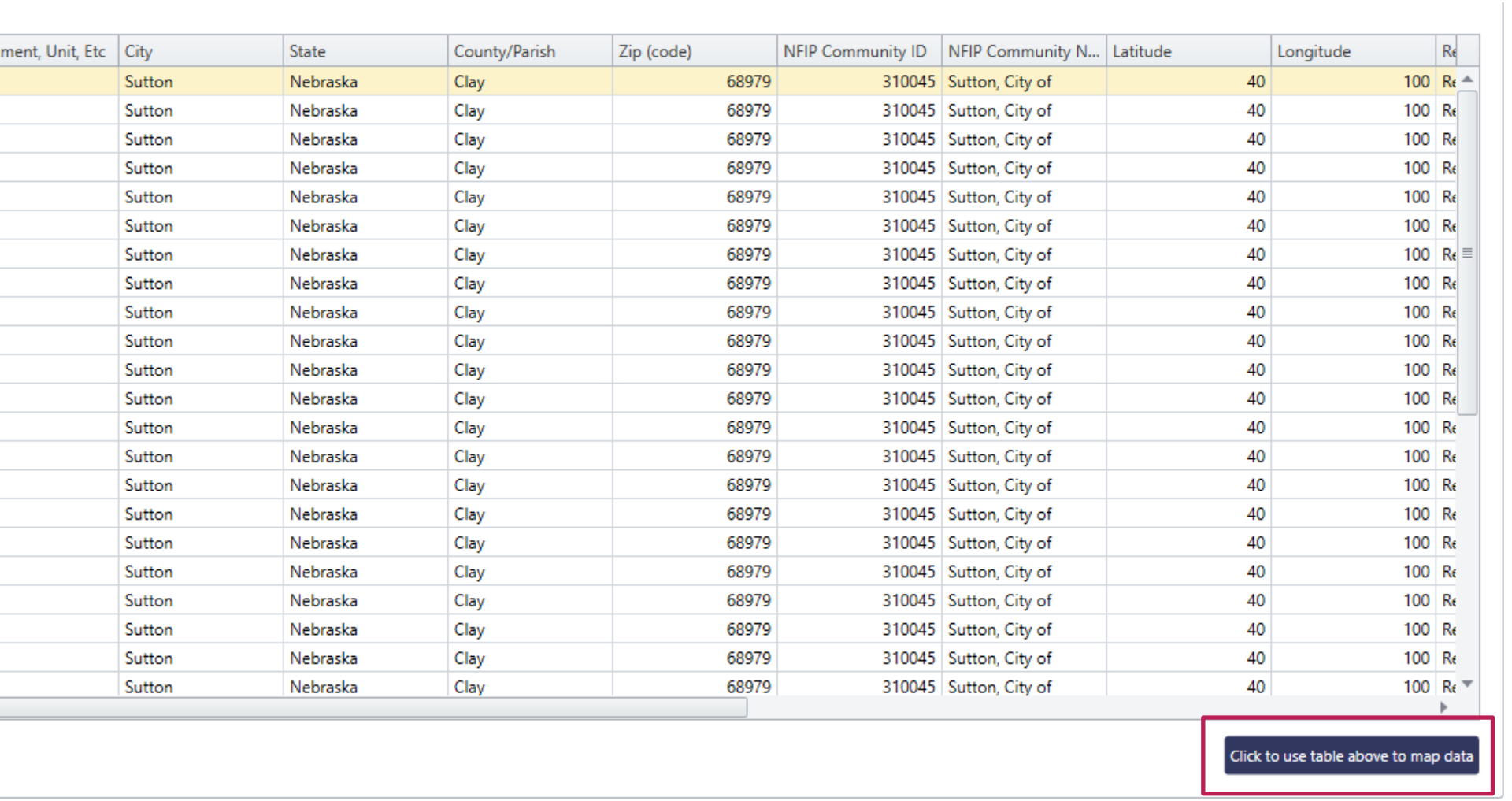
- Click “Click here to format your Excel sheet”



Structure Owner La...	Structure Owner Fi...	Phone Number	Street Number	Street Name	Street Suffix	Apartment, Unit, Etc	City	State	County/Parish	Zip (code)	NFIP Commu
Doe	John	402-471-0640	412	West Maple	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	Jane	402-471-0641	406	West Maple	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	John	402-471-0642	402	West Maple	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	Jane	402-471-0643	312	West Maple	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	John	402-471-0644	207	North Myra	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	Jane	402-471-0645	410	North Main	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	John	402-471-0646	302	East Beech	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	Jane	402-471-0647	505	North Main	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	John	402-471-0648	509	North Main	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	Jane	402-471-0649	511	North Saunders	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	John	402-471-0650	509	North Saunders	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	Jane	402-471-0651	504	North Main	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	John	402-471-0652	306	East Beach	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	Jane	402-471-0653	205	West Maple	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	John	402-471-0654	506	West Maple	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	Jane	402-471-0655	612	West Maple	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	John	402-471-0656	303	North James	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	Jane	402-471-0657	308	West Cedar	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	John	402-471-0658	305	North Clark	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	Jane	402-471-0659	403	West Maple	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	John	402-471-0660	505	North Saunders	Street	N/A	Sutton	Nebraska	Clay	68979	
Doe	Jane	402-471-0661	501	North Saunders	Street	N/A	Sutton	Nebraska	Clay	68979	

Step 3: Upload to SDE 3.0

- Click “Click to use table above to map data” button



ment, Unit, Etc	City	State	County/Parish	Zip (code)	NFIP Community ID	NFIP Community N...	Latitude	Longitude	Re
	Sutton	Nebraska	Clay	68979	310045	Sutton, City of	40	100	Re
	Sutton	Nebraska	Clay	68979	310045	Sutton, City of	40	100	Re
	Sutton	Nebraska	Clay	68979	310045	Sutton, City of	40	100	Re
	Sutton	Nebraska	Clay	68979	310045	Sutton, City of	40	100	Re
	Sutton	Nebraska	Clay	68979	310045	Sutton, City of	40	100	Re
	Sutton	Nebraska	Clay	68979	310045	Sutton, City of	40	100	Re
	Sutton	Nebraska	Clay	68979	310045	Sutton, City of	40	100	Re
	Sutton	Nebraska	Clay	68979	310045	Sutton, City of	40	100	Re
	Sutton	Nebraska	Clay	68979	310045	Sutton, City of	40	100	Re
	Sutton	Nebraska	Clay	68979	310045	Sutton, City of	40	100	Re
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	Sutton	Nebraska	Clay	68979	310045	Sutton, City of	40	100	Re
	Sutton	Nebraska	Clay	68979	310045	Sutton, City of	40	100	Re
	Sutton	Nebraska	Clay	68979	310045	Sutton, City of	40	100	Re
	Sutton	Nebraska	Clay	68979	310045	Sutton, City of	40	100	Re
	Sutton	Nebraska	Clay	68979	310045	Sutton, City of	40	100	Re

Click to use table above to map data

Map Your Data

Step 3: Upload to SDE 3.0

- Scroll down to “Map Your Data”

575	211	East Maple	Street	N/A	Sutton	Nebraska	Clay	68979	310045	Sutton, City of
576	205	East Maple	Street	N/A	Sutton	Nebraska	Clay	68979	310045	Sutton, City of
577	309	North Way	Street	N/A	Sutton	Nebraska	Clay	68979	310045	Sutton, City of
578	311	North Way	Street	N/A	Sutton	Nebraska	Clay	68979	310045	Sutton, City of

Map Your Data

(The columns from the table above have been extracted and loaded into the 'Select a Field' controls below. Use 'Select a Field' controls to map the data from the table above.)

Saved "Enterprise Import Column Mappings" are pre-defined settings that have been created by the user to help aid in pre-populating the column field mappings below. (Note: You will still need to select the parsing method where applicable.)

Make Selection...

ner Last Name: | **Phone Number:** | **Street Number:** | **Street Name:** | **Street Suffix:** | **Post Geographical D**

Mapped Column Name | Mapped Column Name | Mapped Column Name | Mapped Column Name | Mapped Column Name

Select a Field | Select a Field | Select a Field | Select a Field

Parsing | Parsing | Parsing

Make Selection... | Make Selection... | Make Selection...

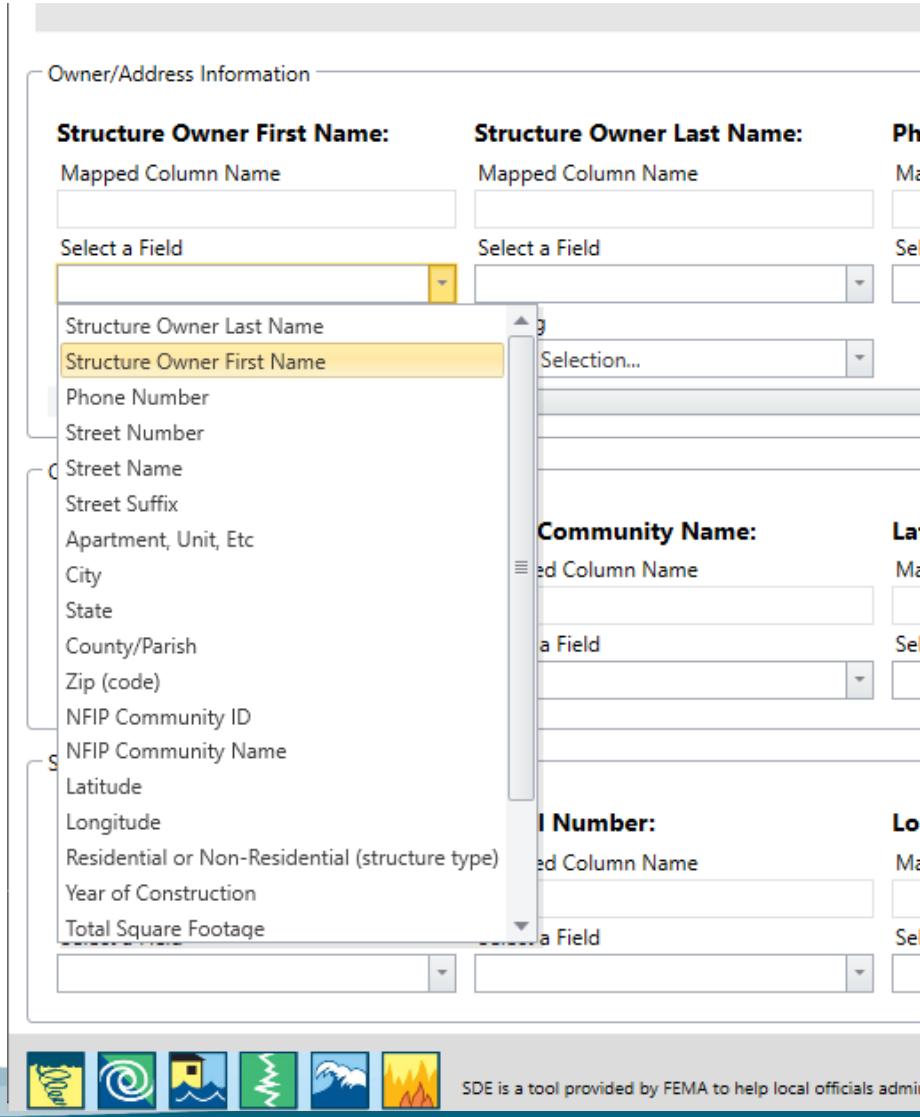
Latitude: | **Longitude:**

Mapped Column Name | Mapped Column Name

Select a Field | Select a Field

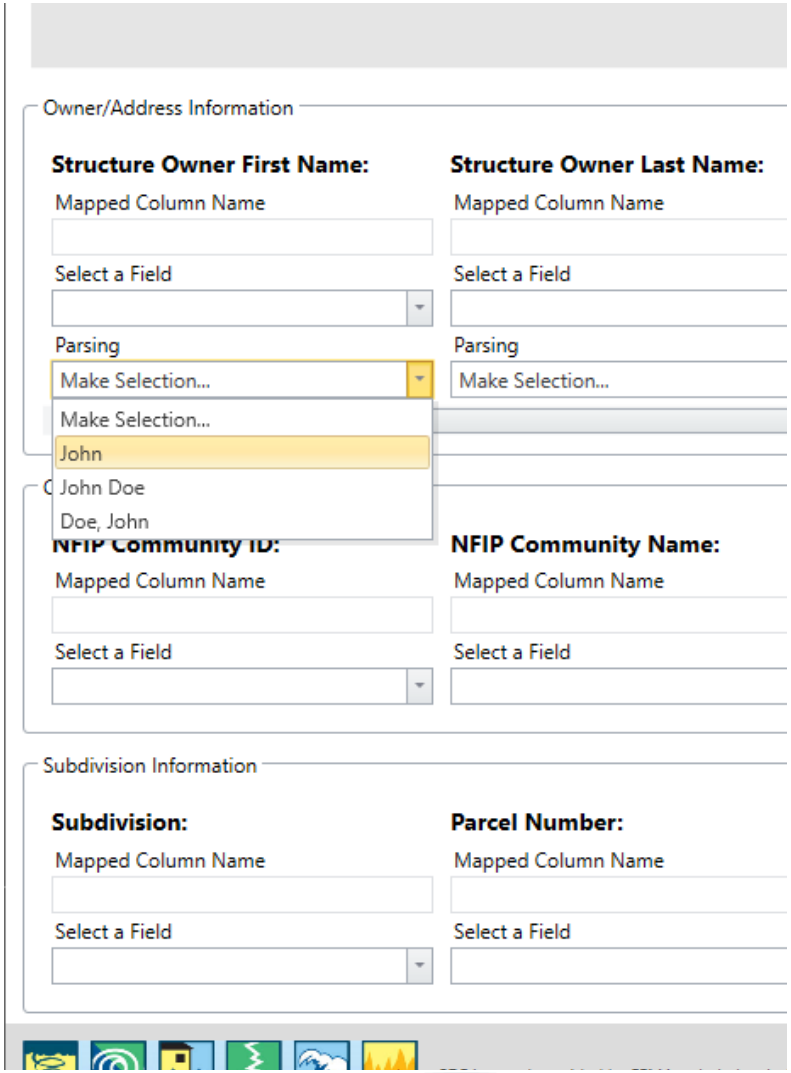
Step 3: Upload to SDE 3.0

- “Map” the data to the correct columns using the drop-down lists
- Select the correct parsing for names and addresses



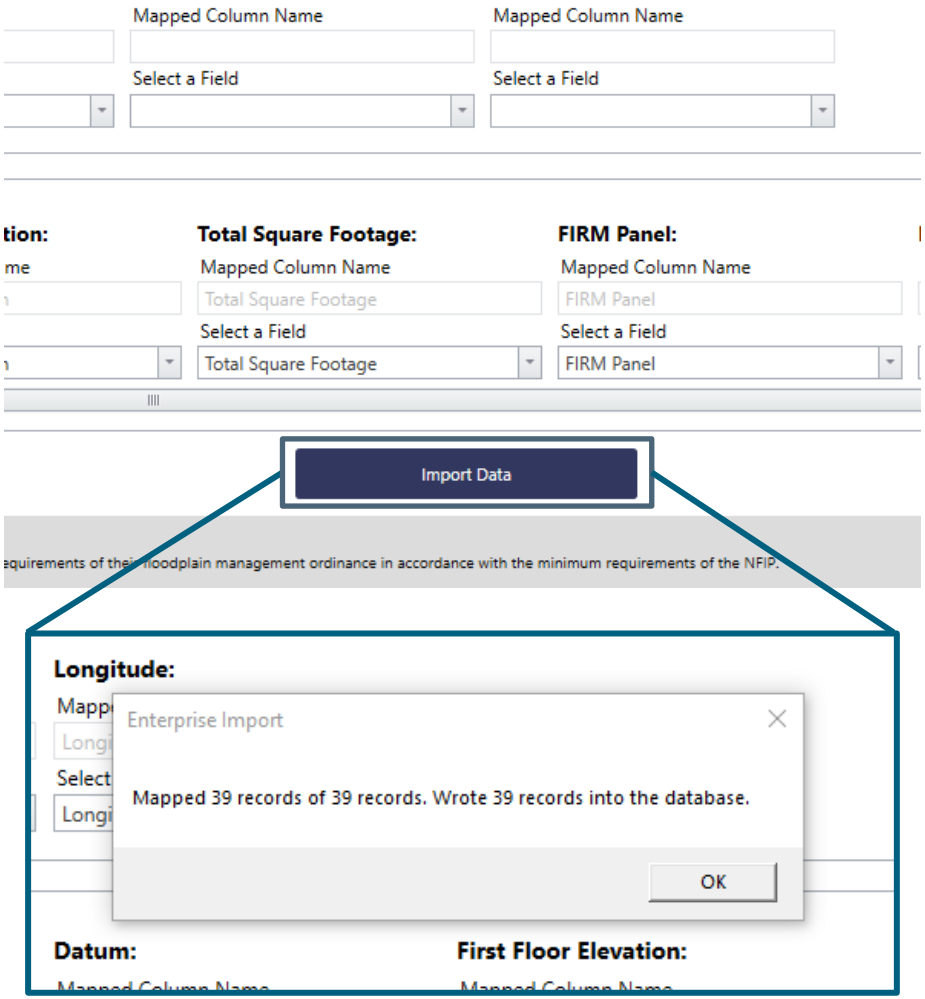
Step 3: Upload to SDE 3.0

- “Map” the data to the correct columns using the drop-down lists
- Select the correct parsing for names and addresses



Step 3: Upload to SDE 3.0

- Once all columns have been mapped, click “Import Data”
- If it works, a message will display showing the number of records added



SDE 3.0 Links

- User Manual and Field Workbook https://www.fema.gov/sites/default/files/2020-07/sde_3.0_user_manual_field_workbook_0.pdf
- Tool Installation Guide https://www.fema.gov/sites/default/files/2020-07/sde_read_me_-_SDE_3.0_Tool_Installation_Guide.pdf
- Best Practices https://www.fema.gov/sites/default/files/2020-07/SDE_Best_Practices.pdf
- Nebraska SDE Handbook https://dnr.nebraska.gov/sites/dnr.nebraska.gov/files/doc/floodplain/resources/20230630_eSDAHandbookInteractive.pdf

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