

**KEEP THIS WORKSHEET--YOU WILL NEED TO FOR THE FINAL EXAM**

**IS-284**

**Using The Substantial Damage Estimator (SDE) 2.0 Tool**

**Lesson 3—Activity #1**

In this activity you will create a new property record and enter assessment data for the property.

**Step 1:** Open the SDE 2.0 tool. On the main menu, click on the Add Record button and select Create New Property from the submenu.

**Step 2:** Enter the following data.

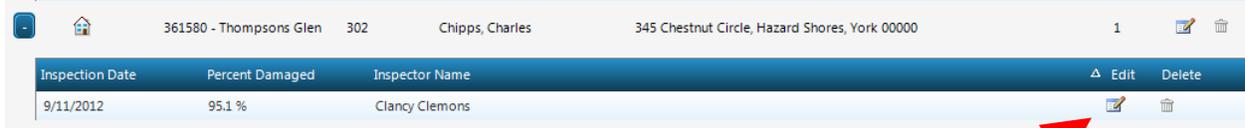
Structure Type	Residential
Owner's First Name	Charles
Owner's Last Name	Chipps
Street Number	345
Street Name	Chestnut
Street Suffix	Circle
City	Hazard Shores
State	Virginia
County	York
Zip Code	00000
Parcel Number	123
Lot Number	765
Year of Construction	1957
Latitude	30.667788
Longitude	-91.334455
Structure Type	Residential
NFIP Community Name	Thompsons Glen
NFP Community ID	361580
FIRM Panel Number	302
FIRM Zone	None
Date of FIRM Panel	04/02/2004
Suffix	E
Base Flood Elevation	1.0
Regulatory Floodway	Possible

**Step 3:** After entering this information, click on the save button

### Lesson 3—Activity #2

Return to the SDE 2.0 main menu and click on the **View/Search All Records** button.

Select the property record you just entered by clicking on the Edit button on the right-hand side of the row listing the property belonging to Charles Chipps.



Inspection Date	Percent Damaged	Inspector Name	Edit	Delete
9/11/2012	95.1 %	Clancy Clemons		

Clicking on the **Edit** button indicated above will open the assessment page with six tabs. In this activity you will enter the assessment data for the Chipps home into these tabs. Begin by entering the following data in the Address tab. Some of the information will already be filled in:

<b>Structure Type</b>	Residential
<b>ADDRESS TAB</b>	
<b>Subdivision</b>	Thompsons Glen
<b>Parcel Number</b>	123
<b>Lot Number</b>	765
<b>Elev of Lowest Floor</b>	0
<b>NFIL Community ID</b>	361580
<b>NFIP Community Name</b>	Thompsons Glen
<b>Latitude</b>	30.667788
<b>Longitude</b>	-91.334455
<b>First Name</b>	Charles
<b>Last Name</b>	Chipps
<b>Street Number</b>	345
<b>Street Name</b>	Chestnut
<b>Street Suffix</b>	Circle
<b>City</b>	Hazard Shores
<b>State</b>	Virginia
<b>Zip Code</b>	00000
<b>County</b>	York

### Lesson 3—Activity #3

Under the Structure/Damage/NFIP Info tab, enter the following information.

STRUCTURE/DAMAGE/NFIP TAB	
Residential Type	Single Family Residence
Foundation	Basement
Superstructure	Stud-framed (Standard)
Roof Covering	Standing Seam (Metal)
Exterior Finish	Siding or Stucco (Standard)
HVAC System	Heating and/or Cooling
Story	Two or More Stories
Year of Construction	1957
Quality	Average
Date Damage Occurred	9/9/2012
Cause of Damage	Flood
Duration of Flood	16 Hours
Depth of Flood Above Ground	5
Depth of Flood Above Floor	2
Inspector's Name	Clancy Clemons
Inspection Date	9/11/2012
FIRM Panel Number	302
Suffix	E
Date of FIRM Panel	04/02/2004
FIRM Zone	None
Base Flood Elevation	1.0
Regulatory Floodway	Possible
Community Information	N/A

Note: In non-residential assessments, additional and different information is included in the Structure/Damage/NFIP Info tab. The data fields that are common between residential & non-residential structures (Year of Construction, Number of Stories, & Quality) are in a different order for data entry. The order of this information matches that for residential structure. When you create a non-residential structure, the information and its order will be different, however the process is the same.

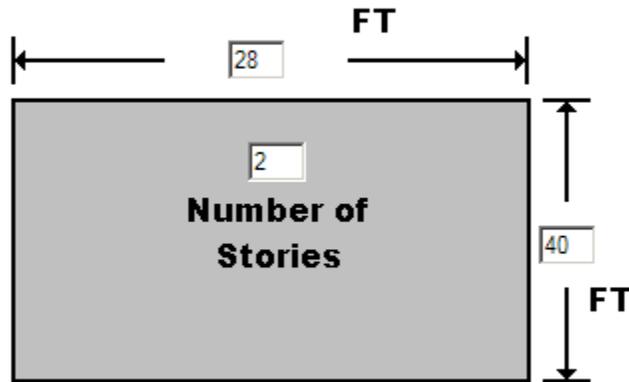
**Lesson 3—Activity #4**

In this activity you will use the SDE 2.0 tool to calculate the square footage of a structure under the COST tab. Begin by clicking on the **Calculate or Enter Square Footage** icon. Then follow the instructions below to complete the three tasks in this activity.

**Step 1** When you click on the **Calculate or Enter Square Footage** icon, the SDE 2.0 tool displays the following graphic and instructs you to select the appropriate shape for the structure you are inspecting. Select the proper shape for the Chipps home based on the diagram below. Circle the appropriate shape here.



**Step 2:** After clicking on the appropriate shape, the SDE 2.0 tool will provide a square footage template. Enter the dimension for the structure using the information in the diagram below. Remember to include the number of stories for each section of the house.



**Step 3:** When you are finished, the SDE 2.0 tool will provide the total square footage for the structure. Enter the total square footage for the structure here: \_\_\_\_\_

### Lesson 3—Activity #5

Enter the following information under the Cost Tab

Base Cost per Square Foot	\$100.00
Geographic Adjustment	1
Base Cost	\$224,000.00
Roofing Adjustment Quantity	0
Roofing Adjustment Unit Cost	0
Heating/Cooling Adjustment Quantity	0
Heating/Cooling Adjustment Unit Cost	0
Appliances Adjustment Quantity	0
Appliances Adjustment Unit Cost	0
Fireplace Adjustment Quantity	0
Fireplace Adjustment Unit Cost	0
Porches/Breezeway Adjustment Quantity	0
Porches/Breezeway Adjustment Unit Cost	0
Garage Adjustment Quantity	0
Garage Adjustment Unit Cost	0
Additional Adjustments	n/a
Depreciation Rating	5- Above Average Condition

### Lesson 3—Activity #6

Enter the following information under the Element Percentages Tab

Foundation Percent Damaged	100
Superstructure Percent Damaged	100
Roof Covering Percent Damaged	0
Exterior Finish Percent Damaged	0
Interior Finish Percent Damaged	100
Doors and Windows Percent Damaged	100
Cabinets and Countertops Percent Damaged	100
Floor Finish Percent Damaged	100
Plumbing Percent Damaged	100
Electrical Percent Damaged	100
Appliances Percent Damaged	100
Damage Item 12 HVAC Percent Damaged	100

### Lesson 3—Activity #7

Enter the following information into the Output Summary Tab

Value of Building	Computed Actual Cash Value
Cost of Repair	Computed Damages
Percent Existing Improvements and Repairs Pre-Disaster	0 %
Tax Assessed Value	\$0.00

Under this tab you will find the SDE 2.0 Percent Damaged value for the structure. Write that number here: \_\_\_\_\_

Click on the FILE menu at the top of the screen. Select SAVE from the dropdown menu to save your work.

*You will need this information to complete the learning check when you return to the Providing Post-Disaster Substantial Damage Technical Assistance to Communities course.*

**ONCE YOU HAVE COMPLETED THIS SDE 2.0 TOOL ACTIVITY, YOU MAY RETURN TO THE INDEPENDENT STUDY. IN THE LESSON MENU, SELECT REVIEW #3 CREATING AN ASSESSMENT AND ANSWER THE QUESTIONS PRESENTED USING THE INFORMATION YOU ENTERED INTO THE SDE 2.0 TOOL AND THE CALCULATIONS THE TOOL PRODUCED.**