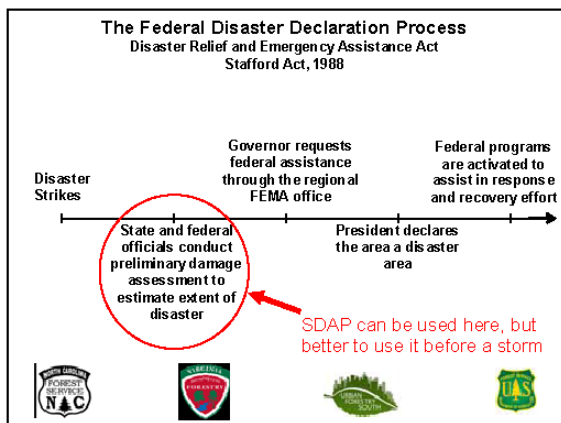


Chapter 2 – Storm Damage Assessment Protocol








Chapter 2 – Storm Damage Assessment Protocol

Storm Damage Assessment Protocol

- UFST implications
 - Most likely an in-state response
 - Quicker response
 - More efficient use of resources




Storm Damage Assessment Protocol

- What information does **Pre-storm** provide?
 - Estimates on potential debris amounts
 - Potential costs
 - Based on a large storm event
- What information does **Post-storm** provide?
 - Estimates the number and size of trees in the affected area requiring removal/pruning
 - Estimates vegetative debris that has been generated
 - Cost estimates associated with both



Storm Damage Assessment Protocol

- How do you use it?
 - Paper format (calculations can be done by hand)
 - PC template format (Excel spreadsheet)
 - PDA format
- Depends on electrical availability and the functionality of the equipment



Chapter 2 – Storm Damage Assessment Protocol

Storm Damage Assessment Protocol

Isolate affected area using GIS layer or paper map

Stratify into land-use areas (i.e. residential, commercial, industrial, etc.) if needed

Randomly choose 10-30 street segments from each stratum

Obtain length of each street segment (ft) and total street miles in affected area

• SDAP

– What information to collect? Pre-Storm

- Per each street segment
- # of trees by size class on Right-of-way
- # of trees by size class off of Right-of-way

ROW

ROW+50'

• SDAP

– What information to collect? Post-Storm

- # of tree removals on ROW by size class
- # of trees needing pruned on ROW by size
- Estimate of ground debris on ROW+50' in CY

Debris Pile

Removals by size class

Limb Hazards by size class

Chapter 2 – Storm Damage Assessment Protocol

Storm Damage Assessment Protocol Field Exercise		
		=11

Storm Damage Assessment Protocol

**Questions
Comments
Discussion**

Chapter 2 – Storm Damage Assessment Protocol

Form 2A

PRE-Storm Field Data Collection Sheet (Populated Areas)

Community Name:		Plot Number:
ON Street:	TO Street:	
FROM Street:		
Date:	Plot Length (ft/mi):	
ROW Width (feet):	Collected by:	

Complete this section only if the plot is less than the full blockside.

Start of plot description:

End of plot description:

ON Right-of-Way Trees (Count trees on both sides of the street)							ROW + 50' Trees¹			
DBH Class	Tally of ROW Trees²	Number of ROW Trees	Time per Tree for Removal³	Total Hours for Removal (total trees × time per tree)	Time Per Hazard Prune⁴	Total Hours Haz Prune (total trees × time per tree)	DBH Class	Tally Off ROW Trees	Total Off ROW Trees	TOTALS
6-12			3.2		0.75		6-12			
13-18			5.1		1.0		13-18			
19-24			7.7		1.5		19-24			
25-30			10.2		2.0		25-30			
31-36			12.5		3.0		31-36			
37-42			20.4		4.0		37-42			
43+			28.0		5.0		43+			
Totals										

¹ Rate all trees as a group that fall within 50 feet of the edge of the right-of-way.
² Record each tree with a tally mark, then place the total number of marks in the next column.
³ Time for removal does not include stump removal (see *Protocol*).
⁴ Time for hazard pruning is for removal of broken or hazardous branches greater than 2 inches only (see *Protocol*).