Debris

Visualization Techniques

- 1 Porta-Potty = 2 CY
- 1 Dump Truck = 13 CY
- 1 Recycle Roll Off (15' x 6' x 6') = 20 CY
- 1 Dump Trailer (42' x 8.5' x 6') = 84 CY
- Mobile Home Park = 1 Single Wide = 290 CY
  1 Double Wide = 415 CY
- Home with no basement = 25-30 CY of personal property
- Home with a basement = 45-50 CY of personal property

Formulas

- General Building = $\frac{L' \times W' \times H' \times .33}{27}$ = CY

- Single Family Home: L' x W' x S x .20 x 1.3 = CY
  *S = Number of stories

- Mobile Home = $\frac{L' \times W' \times H'}{27}$ = CY

- Debris Piles = $\frac{L' \times W' \times H'}{27}$ = CY

- In Home Flood Debris = Sq Footage x .02 = CY

Conversions

- Construction / Demolition Debris = 1 Ton = 2 CY
- Mixed Debris = 1 Ton = 4 CY
- Vegetative Debris = Hardwoods = 1 Ton = 4 CY
  Softwoods = 1 Ton = 6 CY

South Carolina Public Assistance

Damage Assessment Methods

Fly-Over Survey
Windshield Survey
Walk-through Survey

Evaluation Process

Cosmetic	Structural
Broken windows	Broken walls
Blown in doors	Broken floor/foundation
Broken light fixtures	Roof penetration
Missing shingles	Foundation shift
Chipped siding	High water level
Broken gutters	Integrity compromised
Broken garage door	Section of house gone
Landscape	Residence totally removed

Categories

A: Emergency Work – Debris Removal
B: Emergency Work – Emergency Protective Measures
C: Roads and Bridges
D: Water Control Facilities
E: Buildings, contents and equipment
F: Utilities
G: Parks, Recreation and other

2015

Structure Descriptions

Affected

- Structure received minimal damage
- Home is safe to live in
- Damage is cosmetic only

Minor

- Structure is damaged and uninhabitable
- Minor repairs are necessary and can be completed within 30 days
- Tree(s) fallen without penetrating structure

Major

- **S**ignificant damage and uninhabitable
- Extensive repairs are necessary and will take longer than 30 days
- Major damage to utilities
- Foundation shifting

Destroyed

- Structure is a total loss / not economically feasible to rebuild / permanently uninhabitable
- Condemned by building officials

Inaccessible

- Team cannot safely enter in order to verify damage due to flooding, downed trees, unhealthy conditions, etc.

Standard Building Measurements

Brick: 2.5” high	Door knob: 36” from floor
Porch step: 7” high	Aluminum siding: 4” or 8” high
Concrete block: 8” high	Total one-story: 15’ high

Flood Water Depth Chart

	Single / Multi Family Home	Manufactured Home
Affected	< 3” of water	Cosmetic damages only
Minor	3”-18” of water	Water line below the floor
Major	18” of water	Water to the floor
Destroyed	Beyond repair Uninhabitable	Water higher than 12” Uninhabitable

- 24 hours of standing water = increase one damage level
- Contaminated water = increase one damage level and identify contaminants

Wind Damage Description Chart

	Single / Multi Family Home	Manufactured Home
Affected	Some shingle damage Few broken windows	Minor dents to roof or siding
Minor	1 wall damaged Section of roof damaged or missing	Utility connections broken Slight foundation movement
Major	Significant structural damage to walls/roof	Wall and roof damage Foundation shift
Destroyed	Total loss Structure compromised	Total loss Bent frame/buckled walls