

**Appendix D: Flood Damage Classification**

<u>House Level</u>	<u>Affected</u>	<u>Minor</u>	<u>Major</u>	<u>Destroyed</u>
<b>Crawl Space</b>	Water Present	N/A	N/A	N/A
<b>Basement (Summer Months)</b>	Less than 5'	5' or more	Extensive Foundation Damage	N/A
<b>Basement (Winter Months)</b>	Less than 1'	1' or more	Extensive Foundation Damage	N/A
<b>Slab</b>	2" or less	2" to 3'	3' or more	Physically Destroyed
<b>First Floor</b>	2" or less	2" to 3'	3' or more	Physically Destroyed
<b>Second Floor</b>	N/A	N/A	N/A	Physically Destroyed
<b>Other (Mobile Home)</b>	Below Belly Board	From Belly Board to 5" on Floor	5" or More into Mobile Home	Physically Destroyed

**Damage Descriptions Due To Flooding**

**1. Affected (Minimal) Damage**

- Dwelling is safe and secure to live in, minor driveway washout.
- Less than 1 foot of water in basement.
- Summer Months: Less than 5 feet of water in basement.

Mobile Home: Water below belly board.

**2. Minor Damage**

- With more than a foot of water in basement furnace, hot water system, or water system has been exposed to flood water.
- Septic and/or well systems have been damaged to the point of requiring professional repairs in order to be operating at manufacturer specifications.
- 1 Foot or more of water in basement.
- Summer: 5 Feet or more of water in basement.
- 1 Foot or more of sewage in basement.

Mobile Home: Water penetrated into the insulation, but not into the belly board.

**3. Major Damage**

- Basement contains 5-6 Feet of water
- Hot water heater and/or electrical system have been submerged
- Foundation is in need of extensive repair
- First floor is entirely submerged

- On-Premise Ingress/Egress to the home has been extensively damaged

Mobile Home: Insulation is saturated and/or belly board has been submerged

#### 4. Destroyed

- Uninhabitable

Mobile Home: Uninhabitable

#### Guide for Determining Water Depths

- **Brick Wall:** 2 ½ inches per brick (course)
- **Concrete or Cinder Block:** 8 inches per block (course)
- **Lap or Aluminum Siding:** 4 inches or 8 inches per section
- **Door Knobs:** 36 inches above floor
- **Stair Risers:** 7 inches per riser
- **Doors:** 80 inches high

#### Guide for Determining Tree Sizes

- Tree diameters should be measured with a diameter tape made of steel not something that might stretch
- The tree diameter is measured at breast height, which is defined as 4½ feet above average ground level

\* FEMA's Damage Assessment Operations Manual; A Guide to Assessing Damage and Impact: April 05, 2016