

3. MANUFACTURED HOMES – SINGLE WIDE (MHSW)

Typical Construction

- Steel undercarriage supported on concrete block piers
- Metal straps and ground anchors (Frame and/or over-the-top strap anchors)
- Asphalt shingles or one-piece metal roof covering
- Wood roof joists
- Metal, vinyl or wood siding
- Wood roof joists
- Wood stud walls and partitions
- Better construction in post 1974 models in coastal areas

Table 3

| DOD* | Damage description | EXP | LB | UB |
|------|---|-----|-----|-----|
| 1 | No visible damage | 61 | 51 | 76 |
| 2 | Loss of shingles or partial uplift of one-piece metal roof covering | 74 | 61 | 92 |
| 3 | Unit rolls on its side or upside down; essentially intact | 87 | 72 | 103 |
| 4 | Unit slides off masonry block piers but remains upright | 89 | 73 | 112 |
| 5 | Destruction of roof and walls leaving floor and undercarriage in place | 98 | 84 | 114 |
| 6 | Complete uplift of roof, most walls remain upright | 105 | 87 | 123 |
| 7 | Unit rolls, displaces or vaults; roof and walls separate from floor and undercarriage | 109 | 96 | 128 |
| 8 | Undercarriage separated from unit; rolls, tumbles and is badly bent | 118 | 101 | 136 |
| 9 | Complete destruction of unit; debris blown away | 127 | 110 | 148 |

* DOD is degree of damage

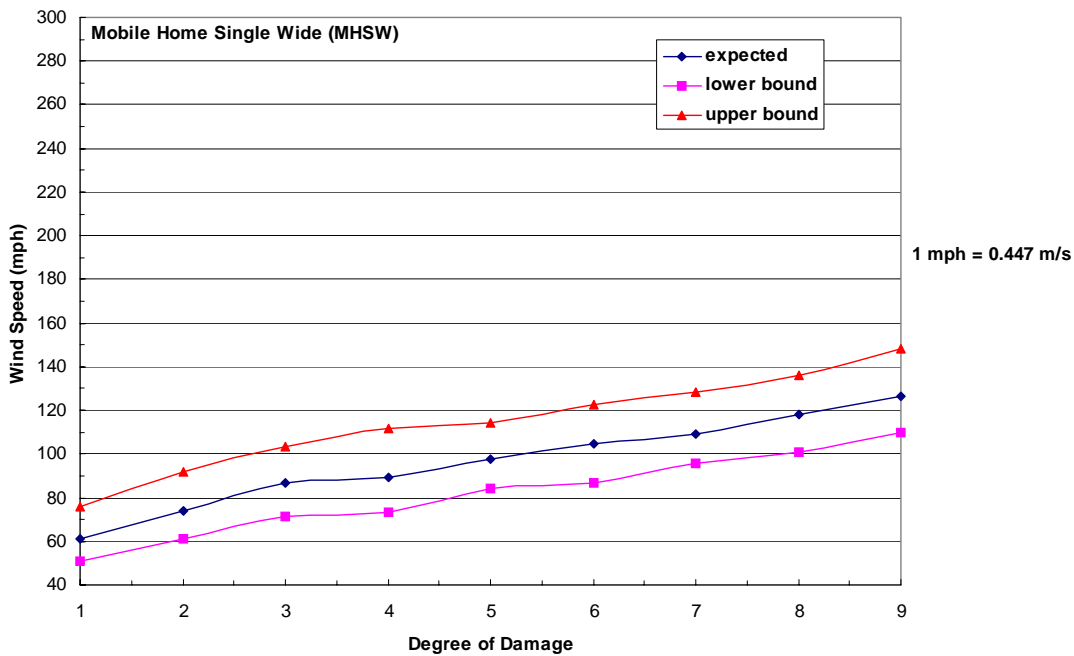


Figure 3. Wind Speed vs. Degree of Damage