

AIR Inland Flood Model for the United States



→ Release Information

Date July 2020

Software • Touchstone 8.0
• Touchstone Re8.0

↓ Model Details

Domain	Contiguous United States (48 states)
Perils	Non-hurricane precipitation flooding
Model Resolution	10 m

Stochastic Catalog(s)

10,000-year
All event IDs are new.

Historical Event Set

20 events

World Scenarios Event Set

None

Touchstone Geographic Resolutions

- County
- Zip code
- Address (city and state)
- Complete address (street, city, and state)
- User-specified latitude and longitude

Touchstone Re Lines of Business

- Residential
- Manufactured (mobile) home
- Commercial/Industrial
- Auto

Supported Construction / Occupancy Classes

Construction	38 Traditional (100-159, 191-194, 261) 43 Specialty (includes marine, infrastructure) (181-183, 201-260, 265-276)
Occupancy	49 Traditional (300-series) 62 Large Industrial Facilities (400-series)

Supported Secondary Risk Characteristics

- | | |
|--|---|
| <ul style="list-style-type: none">• Base flood elevation• Basement finish• Builder's risk (project completion, project phase code)• Contents vulnerability• Custom elevation• Custom flood zone• Custom standard of protection | <ul style="list-style-type: none">• FIRM compliance• First floor height• Floor of interest• Foundation type• Number of basement levels• Service equipment protection• Wet floodproofing |
|--|---|

Industry Exposure Database

Vintage	2019
Resolution	90 m

Intensity Parameter(s)

Inundation depth

Geospatial Layers

- Flood depth (20-, 50-, 100-, 200-, 250-, and 500-yr RPs)
- AIR Flood Zone (100-, 250-, and 500-yr RPs)