

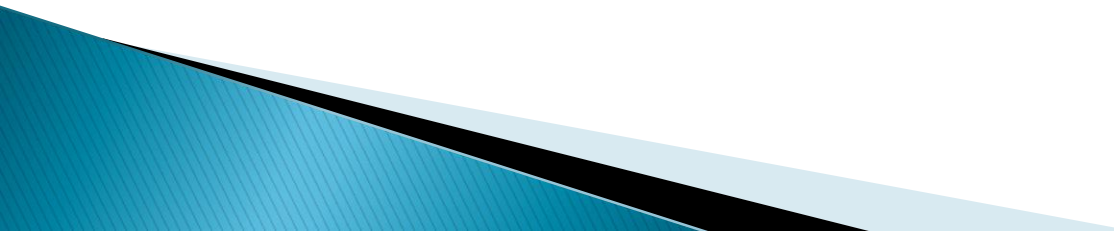
# Assessing Impacts of Disaster on a Professional Association: The International Association of Impact Assessment as a Case Study

C. Kelly

Disaster Management Expert

- ▶ Professional associations are subject to disasters
- ▶ Business continuity plans focus business continuity, not (usually) full spectrum of disaster management
  - *Preparedness*
  - *Warning*
  - *Response (relief)*
  - *Recovery*
  - *Risk Reduction*
- ▶ Use IAIA as example of non-for-profit disaster management planning
- ▶ Benefits in improving resilience of IAIA to disasters and reducing burden on members

# The Importance of Disaster

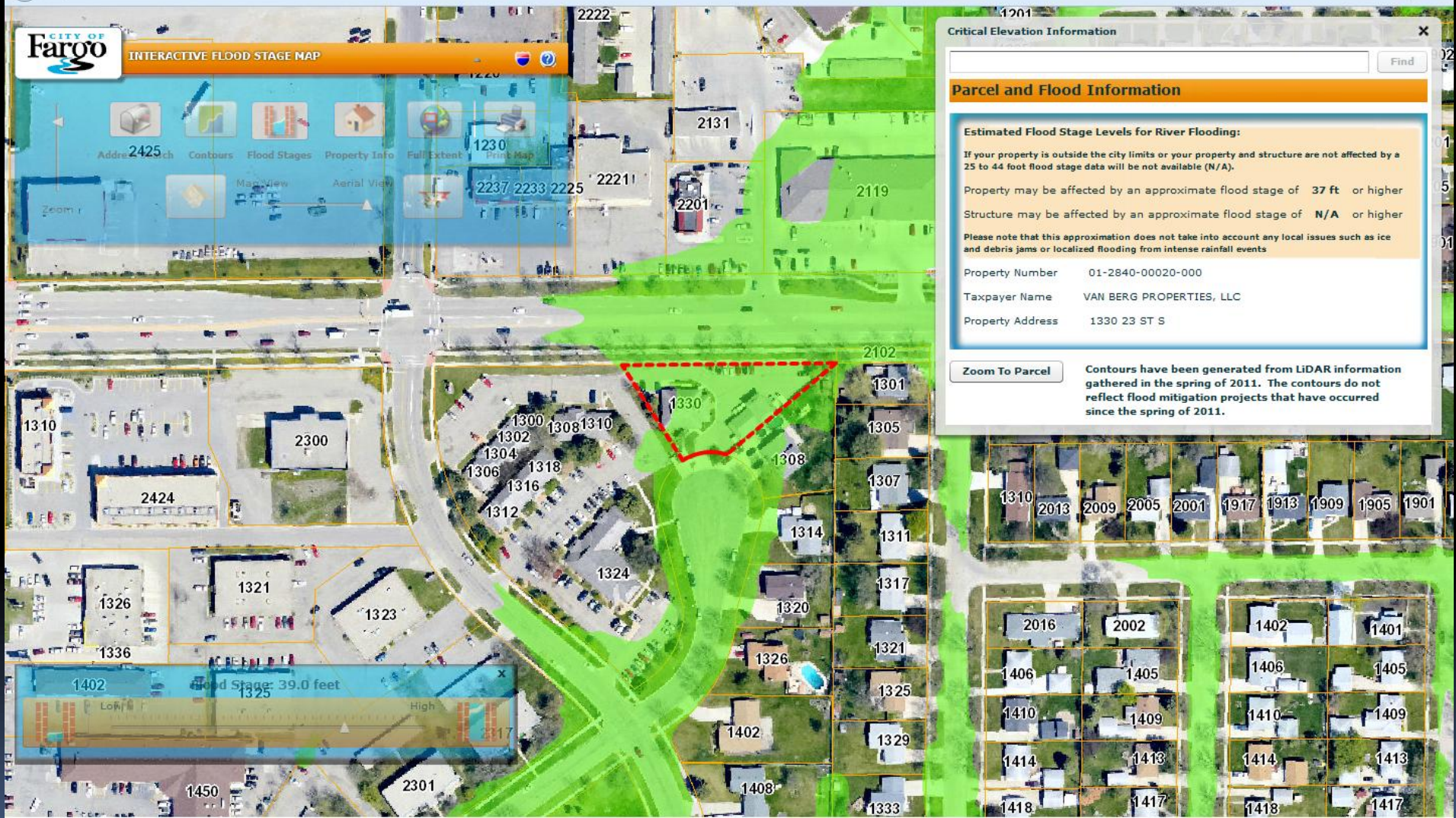
- IAIA located in hazardous location
  - Holds meeting in hazardous locations
  - Members do dangerous stuff
  - IAIA can suffer catastrophic losses due to disaster
  - Social responsibility to staff and members: “Do no harm”
  - Corporate responsibility to members: survive but keep cost down
- 

# Just What Disasters?

- ▶ Floods
- ▶ Winter storms
- ▶ Tornados
- ▶ Disease, e.g., influenza
- ▶ Secondary impacts in Fargo: electricity, water and sewage and garbage disposal
- ▶ Air and ground travel (staff and members)
- ▶ Hazards at conferences and meetings: Morocco (terrorism), Vancouver, Puebla, Vin del Mar (earthquakes) , Vin del Mar (fire), Florence – ???
- ▶ Food poisoning
- ▶ Strikes and labor disruption
- ▶ Terrorism (at location and in transit)
- ▶ Disruption of air or ground travel, e.g., volcanoes in Iceland or Italy

**CITY OF FARGO**  
**INTERACTIVE FLOOD STAGE MAP**

Address: 2425ch  
 Contours Flood Stages Property Info Full Extent Print Map  
 Map View Aerial View  
 Zoom In



**Critical Elevation Information**

**Parcel and Flood Information**

**Estimated Flood Stage Levels for River Flooding:**  
 If your property is outside the city limits or your property and structure are not affected by a 25 to 44 foot flood stage data will not be available (N/A).  
 Property may be affected by an approximate flood stage of **37 ft** or higher  
 Structure may be affected by an approximate flood stage of **N/A** or higher

Please note that this approximation does not take into account any local issues such as ice and debris jams or localized flooding from intense rainfall events

Property Number: 01-2840-00020-000  
 Taxpayer Name: VAN BERG PROPERTIES, LLC  
 Property Address: 1330 23 ST S

**Zoom To Parcel**      Contours have been generated from LIDAR information gathered in the spring of 2011. The contours do not reflect flood mitigation projects that have occurred since the spring of 2011.

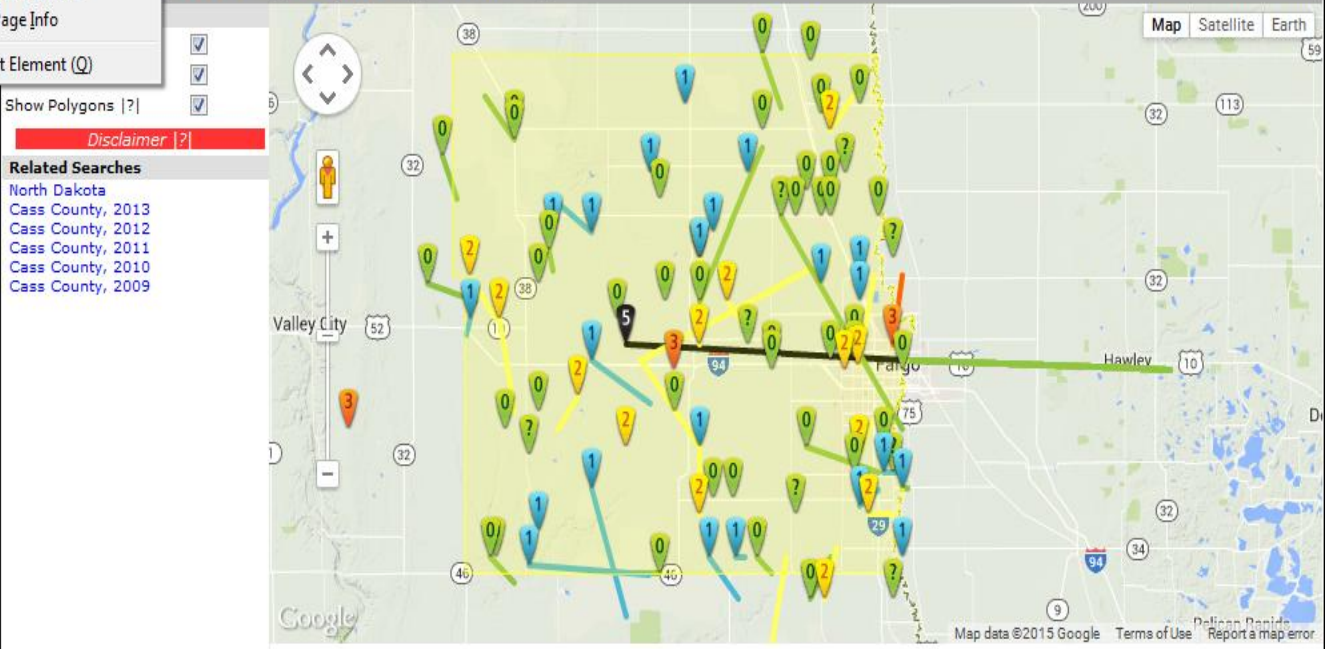
### Tornadoes in Cass County, North Dakota

- ← → ↻ ☆
- Save Page As...
- View Background Image
- Select All
- View Page Source
- View Page Info
- Inspect Element (Q)

Year:  | 
 Month:  | 
 Day:  | 
 State:  | 
 Fujita [?]:  | 
 County [?]:

Table | Export | Source

90 tornadoes found



### Summary [Definitions \[?\]](#)


Date(s) (yyyy-mm-dd)	Tornadoes	Fatalities	Highest Fatalities	Injuries	Highest Injuries	Longest Path	Widest Path
1950-06-13 - 2011-07-17	90	10 people	10 people	111 people	103 people	52.4 miles	600 yards

### User Comments (0)

# Just What Disasters?

- ▶ Floods: <http://www.ndsu.nodak.edu/fargoflood/>
- ▶ Winter storms
- ▶ Tornados [http://www.tornadohistoryproject.com/tornado/North\\_Dakota](http://www.tornadohistoryproject.com/tornado/North_Dakota)
- ▶ Disease, e.g., influenza
- ▶ Secondary impacts in Fargo: electricity, water and sewage and garbage disposal
- ▶ Air and ground travel (staff and members)
- ▶ *Hazards at conferences and meetings: Morocco (terrorism), Vancouver, Puebla, Vin del Mar (earthquakes), Vin del Mar (fire), Florence – ???*
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# Planning For Disasters

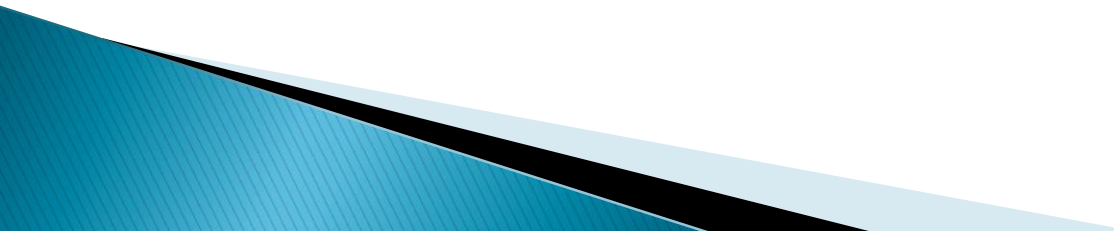
- ▶ Commitment
  - ▶ Plan outline
  - ▶ Impact (risk) Assessment
  - ▶ Results which allow for prioritizing risks and management measures
  - ▶ Decisions on which risks and how they are to be managed – *Not possible to get to “0” risk*
  - ▶ Stakeholder acceptance of “acceptable risk” and acceptable cost (cost and benefit analysis)
- 



# Risk Assessment

Hazard	Details of Hazard	Local – IAIA Office and Staff		Transitional – Travel – Staff and Participants		Distant – Conference – Staff and Participants	
		Frequency per year	Cost per person per year	Frequency per year	Cost Per person per year	Frequency Per year	Cost Per person per year
Flooding							
Earthquake							
Winter storm/Cold wave							
Summer storm							
Heat wave							
Landslide							
Severe air pollution							
Terrorist event							
Air accident							
Traffic accident							
Epidemic (human)							
Poisoning							
Fire (building)							
Utilities failure							
Theft, funds							
Theft, assets							
Virus (computer)							

# Way Forward?

- ▶ Is it worth improving IAIA's disaster risk management?
  - ▶ How can we generate usable impact assessment results?
  - ▶ What are stakeholder interests and concerns (perceptions of risks and solutions)?
- 

# Assessing Impacts of Disaster on a Professional Association

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## Disaster/Conflict Section – IAIA Connect

### Background Notes on:

- Disaster plan development,
- Disaster planning
- Risk assessment