



Wind and consequential damage report

FOR HOUSEHOLDS

This survey should take about 15 minutes to complete
All answers will be kept confidential

SECTION A: Event – Location, time of occurrence, intensity

1. Where did the damage occur?

City/town or district: _____

Street: _____

Contact name (optional): _____

Phone (optional): _____

2. When did the damage occur?

Day/month/year: _____

Time: _____

3. What was the nature of the damage?

- Awnings, tents, clothes or other soft objects blown away?
 - Damage to conservatories or glasshouses
 - Whole trees blown down
 - Roofing iron blown off
 - Windows or doors blown in
- Other: please specify and see below for house damage
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4. What was the distribution of the damage?

- Worst at one point
- Patchy but extensive
- In a belt

Other: please specify

5. What is the surrounding terrain?

- Urban (high proportion of high rise buildings)
- Suburban (mainly single or two storey residential area)
- Spur or hill ridge
- Open/rural
- At lake/ocean

SECTION B: STORM IMPACTS

6. Was the damage solely caused by wind?

- Yes
- No

If NO what other cause contributed to the incurred damaged?

- Flood
- Rain
- Fire
- Debris (e.g. flying tree branches, small stones, etc.)
- Fallen tree
- Landslide
- Other Please give details: _____

7. Did you or anyone in your household suffer an injury or illness due to the storm event? (Tick one)

- No
 - Yes - If yes, please give details: _____
-
-

8. Did the wind cause structural damage to your house, garage, or other parts of your property? (includes wall linings, foundations, framing etc.)

- Yes
- No

9. Was this the first time that your property suffered wind damage?

- Yes
- No

10. If No, how many times before did a wind induced damage occurred?

Times

11. Does your house have any special wind resistant elements (e.g. door or window shutters installed or roof trusses connected to posts with special bolts or straps, etc.)?

- Yes Please give details: _____
 No

12. Which part of your property was damaged?

- House
 Garage
 Shed
 Car port
 Farm building
 Conservatory
 Content (e.g. household goods)
 Fence
 Other Please give details: _____

What was exactly damaged?

- Roof
 Spouting/guttering
 Windows
 Doors
 Walls
 Chimneys
 Deck
 Heating/electricity appliances
 Household goods: Please give details: _____
 Other Please give details: _____

SECTION C: COSTS

13. Please state or estimate the total amount of damage (if known):

\$ _____

14. If different elements were damaged, could you please break the costs down into percentages if known (e.g. 60% roof, 10% wall cladding, 20% content):

Foundation	%
Exterior walls	%
Doors	%
Windows	%
Roofing	%
Interior constructions	%
Mechanical/electrical	%
Content	%
Other	%

15. If the damages were NOT caused exclusively by wind, could you break down the costs into different causes (e.g. 60% wind, 40% rain):

Flood	%
Rain	%
Fire	%
Debris	%
Other	%

16. Was the damage covered by any insurance?

Yes
 Yes, but not completely % which was not covered
 No

17. If you are in the farming business, has there been any damage to

Livestock please specify: _____
 Machinery please specify: _____
 Crop please specify: _____
 Other please specify: _____

18. Please state or estimate the total amount of damage (if known):

\$ _____

19. Do you expect any long-term impacts (e.g. reduced harvest following season)?

Yes % of annual turnover
 No

SECTION D: WARNINGS ABOUT THE STORM

20. Were you aware of (or did you receive) any warnings about the event (e.g. by radio or TV, neighbours, police, etc)?

- Yes
- No (go to question 23)

If 'Yes' please describe in detail what it was, how it was delivered and who it was from:

21. If warnings were received, did your household take any action in response to the warning? If so, please give details.

- Stayed inside and waited to be told what to do
- Listened to the radio
- Listened to the TV
- Evacuated at once
- Evacuated at a later stage
- Meet at a designated evacuation centre or assembly point
- Stayed at home
- Contacted your neighbours
- Contacted CDEM
- Contact another emergency service
- Contact MetService
- Check the internet
- Other (please specify _____)

22. Approximately how long before the storm affected your house did you receive the first warning? (Tick only one)

- I did not receive any warning
- Less than 10 minutes
- 10-30 minutes
- 30 minutes to one hour
- One to six hours
- More than six hours
- No warning was issued

SECTION E: HOUSE STRUCTURE

23. How many storeys does your house have?

Number of storeys excluding basement and loft/attic: _____

What other levels/garage do you have? (Please tick all others that apply)

- Unfinished loft/attic
- Finished loft/attic
- Basement
- Garage. —> For how many vehicles? Number: _____

If there is a garage, is it attached to the main building?

- Yes
- No

24. What best describes your house's foundations? (Tick one)

- Solid concrete slab (low to ground)
- Has a crawlspace (typically less than 1m high, with concrete or brick walls)
- Pier style (open foundations, typically masonry on shallow footings)
- Solid wall (load bearing, greater than 1m high)
- Piles
- Other (please specify _____)
- Don't know

25. What best describes your house's overall structure? (Tick one)

- Wood frame
- Steel frame
- Concrete (mass-reinforced)
- Concrete block
- Other (please specify _____)
- Don't know

26. What are the *main* products that make up the wall cladding outside your house? (Tick all that apply)

- Timber
- Plasterboard
- Fibrolite panels
- Plastic laminate
- Plaster finished laminate
- Stone or bricks
- Metal
- Other (please specify _____)
- Don't know

27. What is the approximate construction date of your house?

- Pre1900
- 1900 - 1930
- 1930 - 1940
- 1940 - 1960
- 1960 - 1980
- 1980 – 2000
- Post 2000
- Don't know

28. What is your roof made of?

- Tiles (clay or concrete tiles)
- Sheet (e.g. metal)
- Heavy (e.g. concrete slab)
- Other please specify: _____

29. What is your total floor area?

Total floor area m²

30. What is the Rated Value of your property? If you don't know could you please estimate the monetary value (only buildings). (Note: This information is necessary to derive a fragility [percentage damage] from your report)

The RV value is \$NZ.

or

- <100,000 \$
- 100-200,000 \$
- 200-300,000 \$
- 300-400,000 \$
- 400-500,000 \$
- 500-750,000 \$
- > 1 Mio. \$
- Don't know

31. Do you, or someone in your house, own or rent the home you live in? (Tick only one)

- Own or buying, to live in it
- Own or buying, but only for use as a holiday home
- Rent, to live in it
- Rent, but only for use as a holiday home

32. How many people live in your household?

Number of people

Number of children (under15)or people above 65

SECTION G: Perception

33. How well have you been informed about the basic risks of a storm by the responsible authorities?

Assessment: (<high) ++ <input type="checkbox"/> + <input type="checkbox"/> 0 <input type="checkbox"/> - <input type="checkbox"/> - - <input type="checkbox"/> (low >)
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34. Do you know how to get precautionary information about your own protection in case of a storm?

- Yes
- No

35. Do you know how to get precautionary information about how to make your property more wind resistant?

- Yes
- No

SECTION G: YOUR OWN REMARKS

36. Please use this space to write any other comments regarding the event, your experiences, or this survey. All remarks would be useful. Thank you for your time.

THANK YOU FOR FILLING IN THIS QUESTIONNAIRE.

Please return this Questionnaire either by email to:

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Or by mail to:

Dr Stefan Reese
NIWA
PO Box 14901
Kilbirnie, Wellington

Or by fax to:

Fax: 04 386 2153
Attention: Dr Stefan Reese