



WDR REPORT · HAIL & WIND

4801 Prairie Ridge Dr, Des Moines, IA 50317

Date of loss: May 14, 2025 · Polk County, IA · 41.5886, -93.6230

QUICK FACTS

- › Closest documented hail: half-dollar-size hail (1.25"), Cumming, ~7.0 mi from the loss location.
- › Largest nearby hail: golf ball (1.75"), ~8.6 mi (Row 3).
- › Same-storm wind nearby: 59 to 66 mph gusts, closest 6.2 mi (Row 2).
- › Nearest official station: 61 mph — Des Moines Intl (WS1), 4.3 mi SSW.
- › Reports shown fall on the stated date of loss.
- › Search scope: hail within 10 mi, wind within 15 mi; 5 closest reports tabled below.

SCAN TO VERIFY
REPORT & AUDITWDR-IA-25-05-SAMP7
[verify.weatherdataresearch.com/
IA-25-05-SAMP7](https://verify.weatherdataresearch.com/IA-25-05-SAMP7)

DOCUMENTED STORM REPORTS

#	TIME (CDT)	TYPE / SIZE	QUAL.	DIST.	LOCATION	COUNTY	VERIFICATION	REF.
1	4:18 PM	Hail 1.25" (half-dollar)	(E)	7.0 mi	Cumming	Polk	Preliminary	R-01
2	4:26 PM	Wind 59 mph gust	(E)	6.2 mi	Norwalk	Polk	Preliminary	R-02
3	5:15 PM	Hail 1.75" (golf ball)	(E)	8.6 mi	Bondurant	Polk	Certified	R-03
4	5:22 PM	Wind 66 mph gust	(E)	10.0 mi	Mitchellville	Polk	Preliminary	R-04
5	5:44 PM	Hail 1.00" (quarter)	(E)	9.2 mi	Maxwell	Polk	Certified	R-05

Qualifier: (M) Measured · (E) Estimated · (U) Unspecified. Verification reflects each source's own quality-control stage. Row numbers match the Storm Report Map.

OFFICIAL STATION OBSERVATIONS

REF	PEAK GUST	RECORDED AT	DISTANCE	STATION	VERIFICATION
WS1	61 mph (53 kt)	17:46	4.3 mi SSW	DSM — Des Moines Intl	Observed
WS2	55 mph (48 kt)	17:58	7.7 mi NE	IKV — Ankeny Regional	Observed
WS3	48 mph (42 kt)	18:40	27.9 mi N	AMW — Ames Municipal	Observed

These are instrument observations at the stations named, not reports of damage, and not measurements at the subject property. Every reporting station within 30 mi is listed whether or not it recorded a strong gust, so the absence of wind is as visible as its presence. The NWS defines a severe thunderstorm wind gust as 58 mph or greater.

EVENT FOOTPRINT · COUNTY CONTEXT

PROPERTY COUNTY

Polk County, IA

3

HAIL REPORTS

2

WIND REPORTS

Population density: 865 people per square mile

SURROUNDING COUNTIES (SHARE A BORDER)

Dallas, Jasper, Warren, Story

1

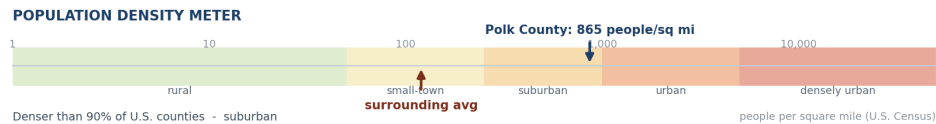
HAIL REPORTS

0

WIND REPORTS

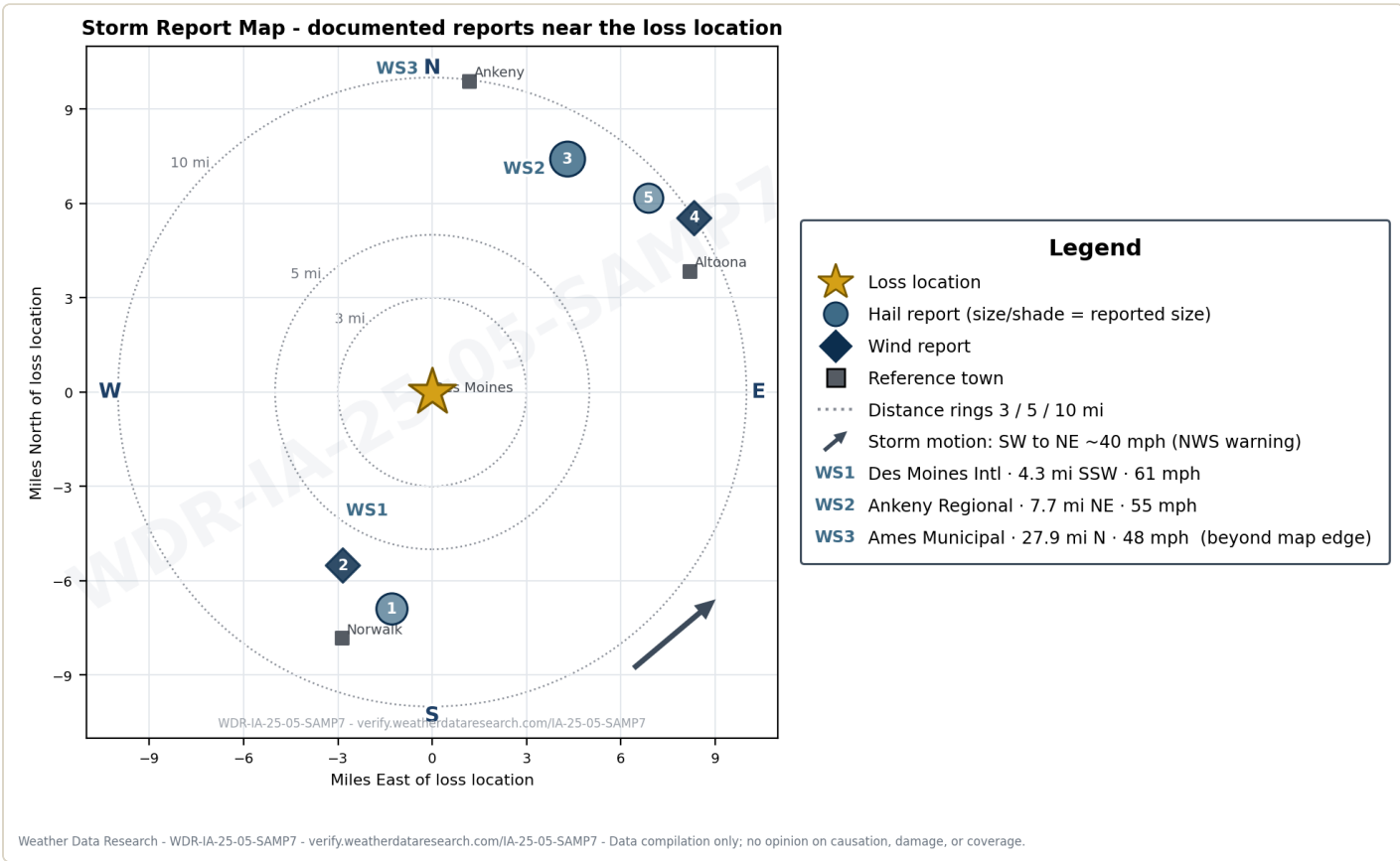
Population density: 120 people per square mile (population-weighted)

POPULATION DENSITY METER — POLK COUNTY VS. ALL U.S. COUNTIES



Counts are by peril, never blended; date scope is the researched date of loss; documented reports only. The Population Density Meter shows this county's density among all U.S. counties - denser areas generate more storm reports, sparser areas fewer.

STORM REPORT MAP



Recreated schematic plotted from official report coordinates; not a reproduction of any agency graphic. Numbered markers correspond to the Documented Storm Reports table. Distance rings scale to the reports.

REFERENCES & SEARCH RECORD

Source databases queried for this report: NCEI Storm Events Database · [ncdc.noaa.gov/stormevents](https://www.ncdc.noaa.gov/stormevents) | NWS Local Storm Reports (IEM) · mesonet.agron.iastate.edu/lsr | SPC Storm Reports · spc.noaa.gov/climo/reports | CoCoRaHS · cocoahs.org. The specific endpoints and exact queries used are itemized below.

REF.	SOURCE / PUBLISHER	URL & EXACT QUERY	TIER	CITED IN ROW:
R-01	NWS Local Storm Reports NWS via Iowa Environmental Mesonet	https://mesonet.agron.iastate.edu/lsr/ Query: state=IA; 2025-05-13..15; hail+wind Accessed: 2026-09-04T02:04:43	Preliminary	1, 2, 4
R-02	SPC Storm Reports NOAA Storm Prediction Center	https://www.spc.noaa.gov/climo/reports/ Query: 250514_rpts_hail.csv/_wind.csv Accessed: 2026-09-04T02:04:43	Preliminary	1, 2
R-03	NCEI Storm Events NOAA NCEI	https://www.ncdc.noaa.gov/stormevents/ Query: IA; Polk+adjacent; 05/14/2025 Accessed: 2026-09-04T02:04:43	Certified	3, 5
R-04	ASOS / AWOS station observations NWS via Iowa Environmental Mesonet	https://mesonet.agron.iastate.edu/request/daily.phtml Query: network=IA_ASOS; date=2025-05-14; peak gust per station Accessed: 2026-09-04T02:04:43	Preliminary	-
R-05	CoCoRaHS CoCoRaHS Network	https://www.cocoahs.org/ Query: Hail; IA; 05/14/2025 Accessed: 2026-09-04T02:04:43	Preliminary	-

REFERENCE AUDIT

Every reference cited in this report was audited for reachability, relevance, and agreement - all of them, never a sample. Each reference below carries the exact parameterised URL the engine requested, so any finding here can be re-checked at the source. Any finding was resolved before release. The full audit record is retained and available on request.

SCOPE, LIMITATIONS & DISCLAIMER

Nature and purpose. This document is a compilation of publicly documented storm-report data researched for the address and date of loss shown. It is not an engineering report, a forensic meteorological report, an inspection report, or a certified weather report.

No opinion on causation, damage, or coverage. This report expresses no opinion on the cause of any damage, the existence or extent of damage at the property, or the application of any insurance policy provision.

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