

LIGHTNING STRIKE ANALYSIS

SITE-SPECIFIC LIGHTNING STRIKE REPORT

by CompuWeather

PREPARED FOR:
**Central Claims
Insurance Group**

John Smith

January 2, 2019

A.J Housing / 12345

SAMPLE REPORT





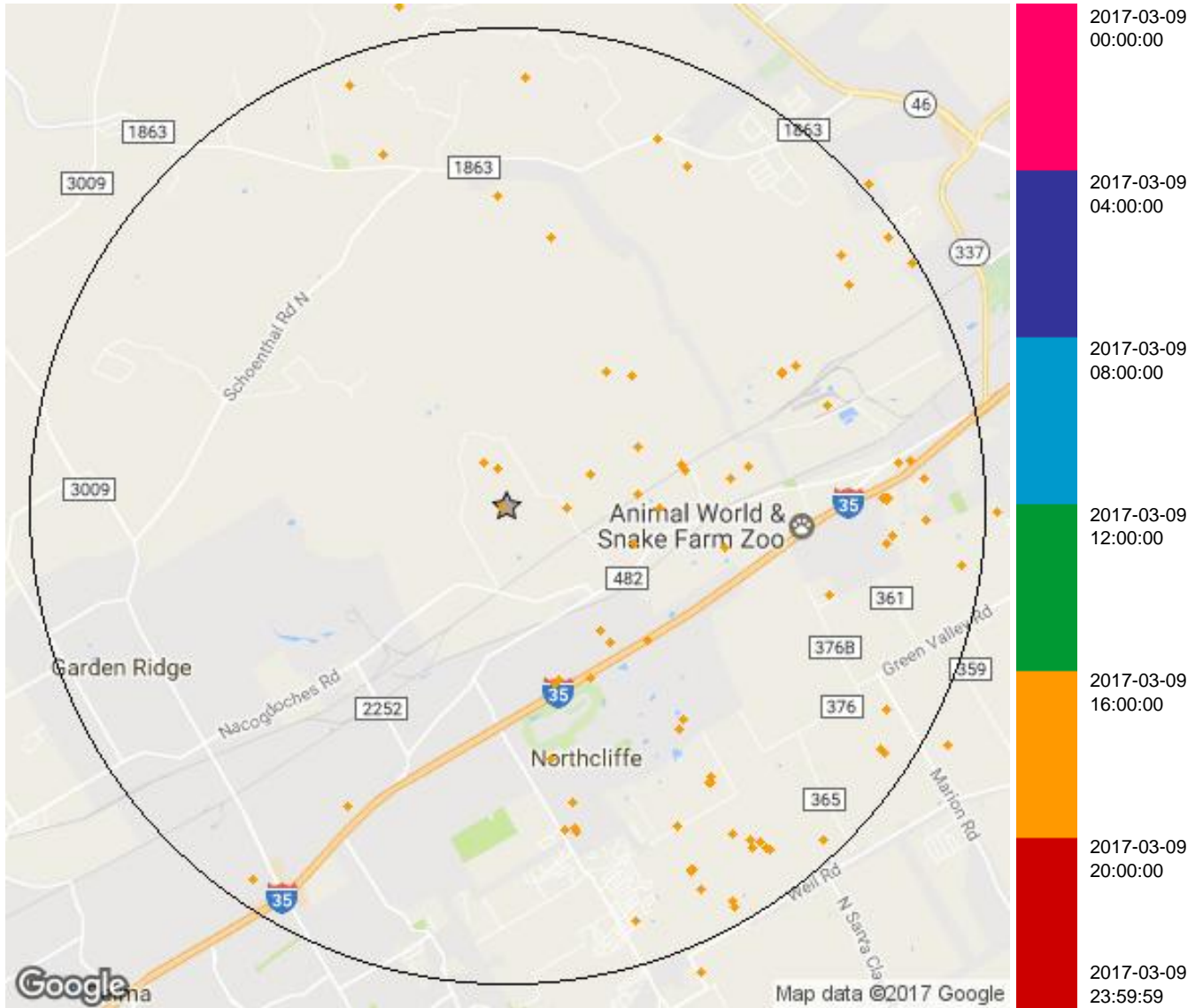
PROJECT INFORMATION

Report Completion Date: January 2, 2019
Prepared for: Central Claims Insurance Group

Attn: John Smith

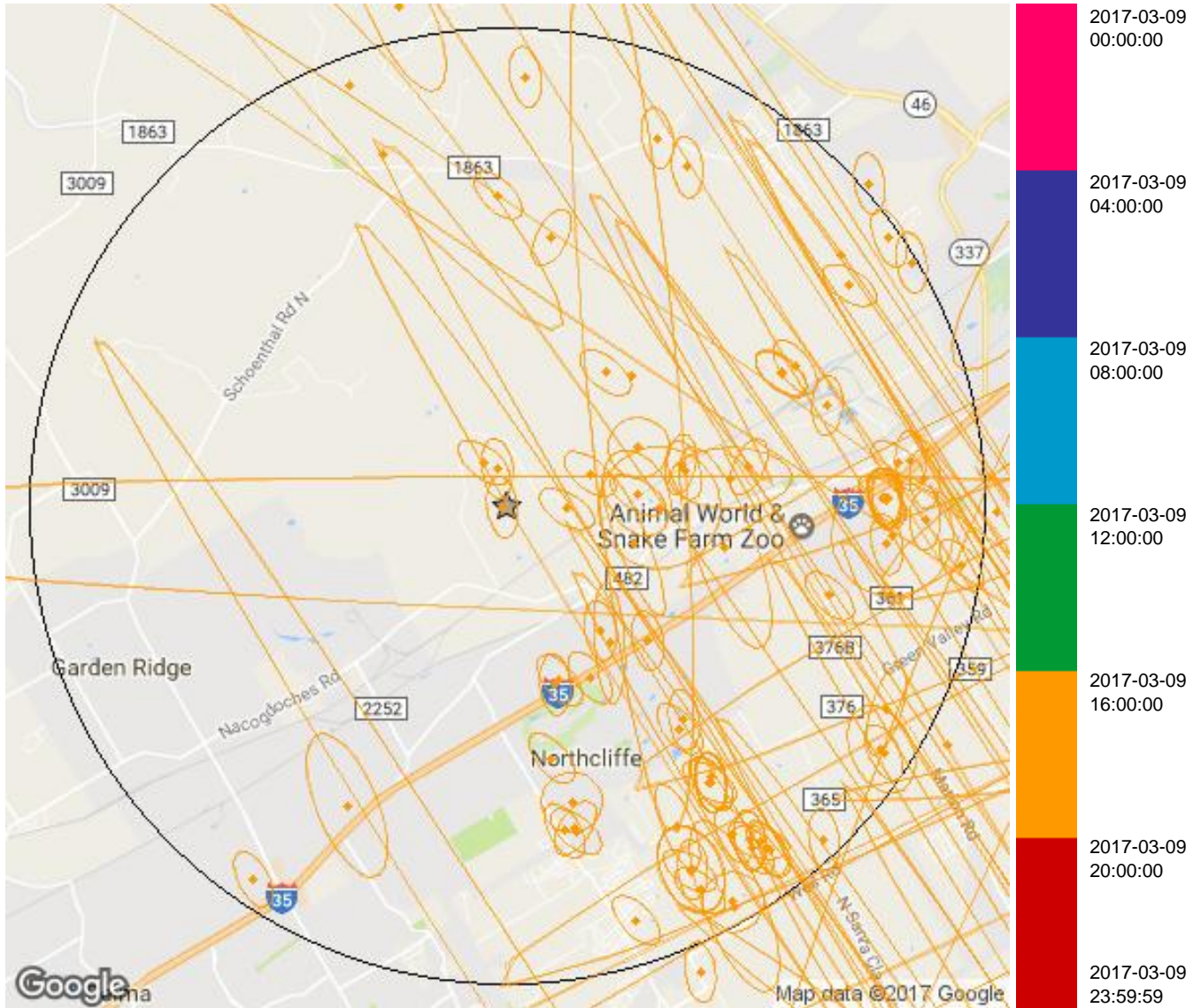
Case Reference: A.J Housing / 12345
Date of Incident: March 9, 2017
Location of Incident: 54321 Bridge Road, Somerville, TX 98765
Type of Incident: Lightning
Scope: Site specific lightning strike report for March 9, 2017

Lightning Stroke Map



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Confidence Ellipses For Lightning Strokes



Lightning Confidence Ellipse Map indicates with 99% certainty that the recorded lightning event contacted the ground within the bounds of the ellipse.

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Key Results

Lightning Strokes Detected within 5 mi (8 km)	90
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Number of Strokes Detected by Time Period

Period	# of Strokes
Thu, Mar 09, 2017 00:00 US CST to Thu, Mar 09, 2017 04:00 US CST	0
Thu, Mar 09, 2017 04:00 US CST to Thu, Mar 09, 2017 08:00 US CST	0
Thu, Mar 09, 2017 08:00 US CST to Thu, Mar 09, 2017 12:00 US CST	0
Thu, Mar 09, 2017 12:00 US CST to Thu, Mar 09, 2017 16:00 US CST	0
Thu, Mar 09, 2017 16:00 US CST to Thu, Mar 09, 2017 20:00 US CST	90
Thu, Mar 09, 2017 20:00 US CST to Thu, Mar 09, 2017 23:59 US CST	0

Lightning Strokes

Date	Time (CST)	Peak Current (kA)	Distance from Center (mi/km)	Latitude	Longitude
Mar 9, 2017	18:57:18	-22.2	0.1/0.1	29.65877	-98.23922
Mar 9, 2017	18:57:18	-16.4	0.4/0.6	29.66456	-98.24005
Mar 9, 2017	18:57:18	-9.8	0.5/0.8	29.6655	-98.24238
Mar 9, 2017	18:38:26	-10.8	0.6/1	29.65852	-98.22795
Mar 9, 2017	18:59:54	-10.6	0.9/1.5	29.66378	-98.22392
Mar 9, 2017	19:20:49	-9.8	1.4/2.2	29.66085	-98.21575
Mar 9, 2017	19:20:50	-10.7	1.4/2.2	29.66062	-98.21565
Mar 9, 2017	19:20:49	-30.5	1.4/2.2	29.65313	-98.2164
Mar 9, 2017	18:16:08	22.8	1.5/2.4	29.66774	-98.21547
Mar 9, 2017	19:07:46	30.1	1.6/2.6	29.65868	-98.21186
Mar 9, 2017	19:34:31	-21.1	1.6/2.6	29.64015	-98.22216
Mar 9, 2017	18:21:06	-9.4	1.7/2.8	29.6791	-98.22127
Mar 9, 2017	18:41:59	30.2	1.8/2.9	29.63822	-98.22055
Mar 9, 2017	18:16:57	25.9	1.9/3	29.66522	-98.20819
Mar 9, 2017	19:13:20	-52.7	1.9/3	29.67848	-98.21662
Mar 9, 2017	18:16:57	25.1	1.9/3	29.6644	-98.2075
Mar 9, 2017	19:33:31	-14	1.9/3.1	29.63256	-98.22927
Mar 9, 2017	19:33:31	-27.1	1.9/3.1	29.63198	-98.23
Mar 9, 2017	19:34:31	-17.2	2/3.2	29.63303	-98.2239

Date	Time (CST)	Peak Current (kA)	Distance from Center (mi/km)	Latitude	Longitude
Mar 9, 2017	18:38:25	-23.3	2/3.3	29.63858	-98.21389
Mar 9, 2017	19:07:46	21.6	2.3/3.7	29.6527	-98.20042
Mar 9, 2017	19:13:20	17.1	2.3/3.8	29.66319	-98.19947
Mar 9, 2017	18:16:57	22.4	2.6/4.1	29.66485	-98.19629
Mar 9, 2017	19:25:21	-15.8	2.7/4.3	29.62084	-98.23056
Mar 9, 2017	18:16:08	12.5	2.8/4.6	29.69947	-98.2306
Mar 9, 2017	19:25:21	-32.9	2.9/4.7	29.62661	-98.20756
Mar 9, 2017	19:26:52	-13.8	2.9/4.7	29.62525	-98.20838
Mar 9, 2017	19:32:15	-9.5	3.2/5.1	29.61415	-98.22708
Mar 9, 2017	18:20:16	-10.1	3.2/5.1	29.6788	-98.19067
Mar 9, 2017	18:20:16	-10.5	3.2/5.1	29.67907	-98.19065
Mar 9, 2017	19:41:46	45.5	3.2/5.2	29.70586	-98.23991
Mar 9, 2017	18:22:09	-27.1	3.3/5.4	29.68	-98.18824
Mar 9, 2017	18:33:05	14	3.4/5.5	29.61027	-98.22651
Mar 9, 2017	19:25:21	-15	3.4/5.5	29.60986	-98.22834
Mar 9, 2017	19:36:44	-15	3.5/5.6	29.60975	-98.22633
Mar 9, 2017	18:21:43	-30.1	3.5/5.6	29.64538	-98.18218
Mar 9, 2017	18:21:06	-32.2	3.5/5.6	29.67415	-98.18266
Mar 9, 2017	18:27:09	-81.4	3.5/5.7	29.61818	-98.20299
Mar 9, 2017	18:47:02	19.1	3.5/5.7	29.61368	-98.26616
Mar 9, 2017	19:27:53	-36.8	3.6/5.7	29.61725	-98.2031
Mar 9, 2017	19:27:53	-22	3.6/5.8	29.61721	-98.20295
Mar 9, 2017	19:27:53	-29.9	3.6/5.8	29.61716	-98.20302
Mar 9, 2017	19:27:53	-41	3.6/5.8	29.61716	-98.20294
Mar 9, 2017	19:27:53	-27.4	3.6/5.8	29.61714	-98.20292
Mar 9, 2017	19:27:53	-38.4	3.6/5.8	29.61717	-98.20281
Mar 9, 2017	19:27:53	-10.5	3.6/5.8	29.61705	-98.20285
Mar 9, 2017	19:27:53	-16.9	3.6/5.8	29.61704	-98.20277
Mar 9, 2017	18:30:08	25.7	3.8/6.1	29.61048	-98.20865
Mar 9, 2017	19:02:06	-4.4	3.9/6.3	29.71215	-98.25988
Mar 9, 2017	18:22:09	-36.8	3.9/6.3	29.66	-98.17301

SAMPLE REPORT



Decoder for Lightning Data

Basic Report

Claim Address: Address of the Search Location

Search Period: Start and End time of Search

Search Radius: Radius distances searched from the Search Location

Also indicates the number of Strikes detected for the given time period and location

Details for Closest 50 Strikes (Ordered by Distance) and Details for all Strikes (Ordered by Time)

- **Date/Time:** Date and Time of the lightning strike
- **Peak Current (kA):** Magnitude of the lightning strike in Kilo-Amps "+" means positively charged and "-" means negatively charged)
- **Distance from Center:** Distance in miles/kilometers of the lightning strike from the Search Location
- **Latitude:** Latitude of the lightning strike
- **Longitude:** Longitude of the lightning strike

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