Hazard Response 2017: A Year in Review

Tornado outbreak, Jan 17

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Hattiesburg Tornado
January 21

Northern CA floods
February

Oroville Dam

Georgia Fires
April

California Fires
July

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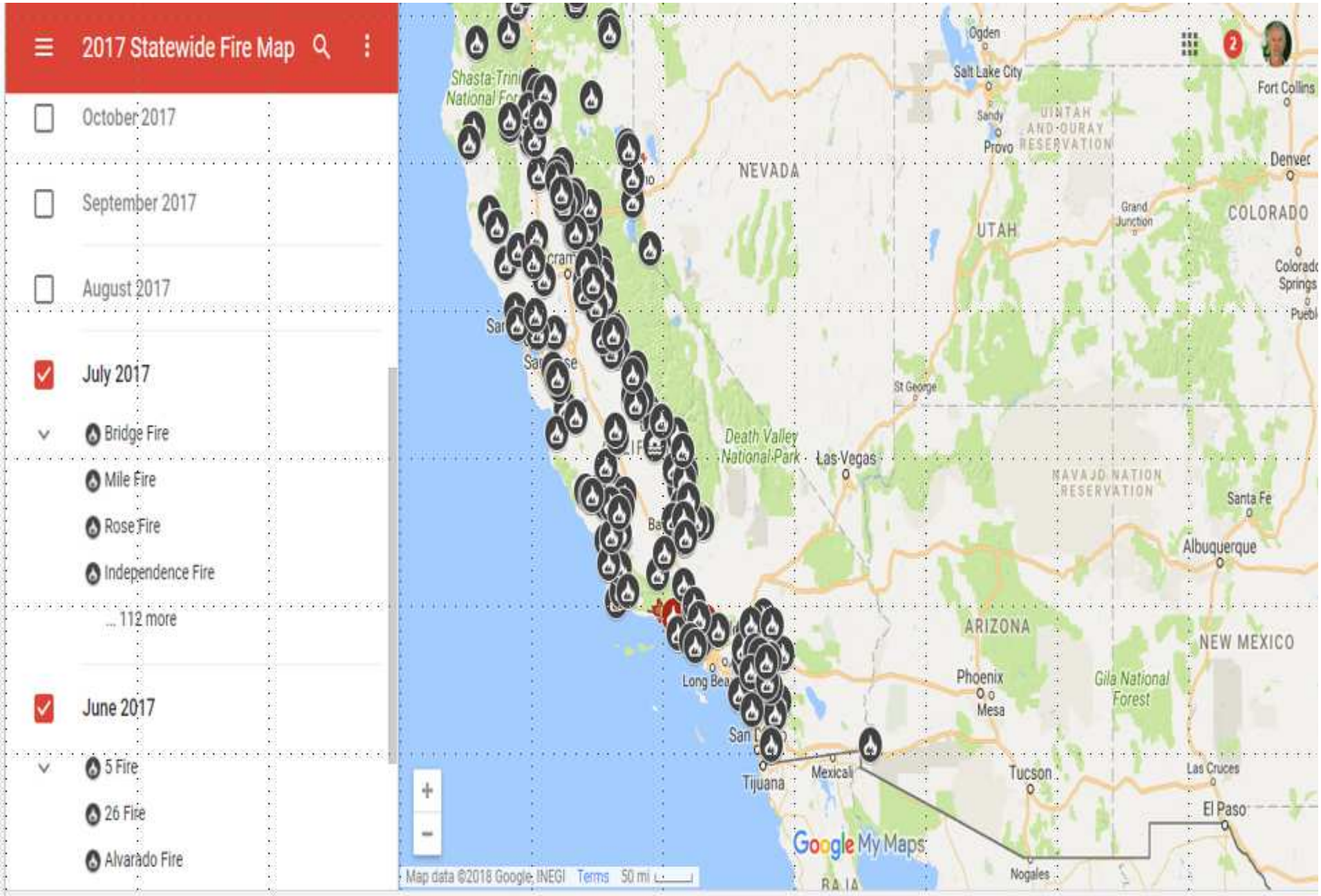

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Hurricane Harvey
August

Hurricane Irma
September

Hurricane Maria
September

Northern CA Fires
October

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Northern California Fires

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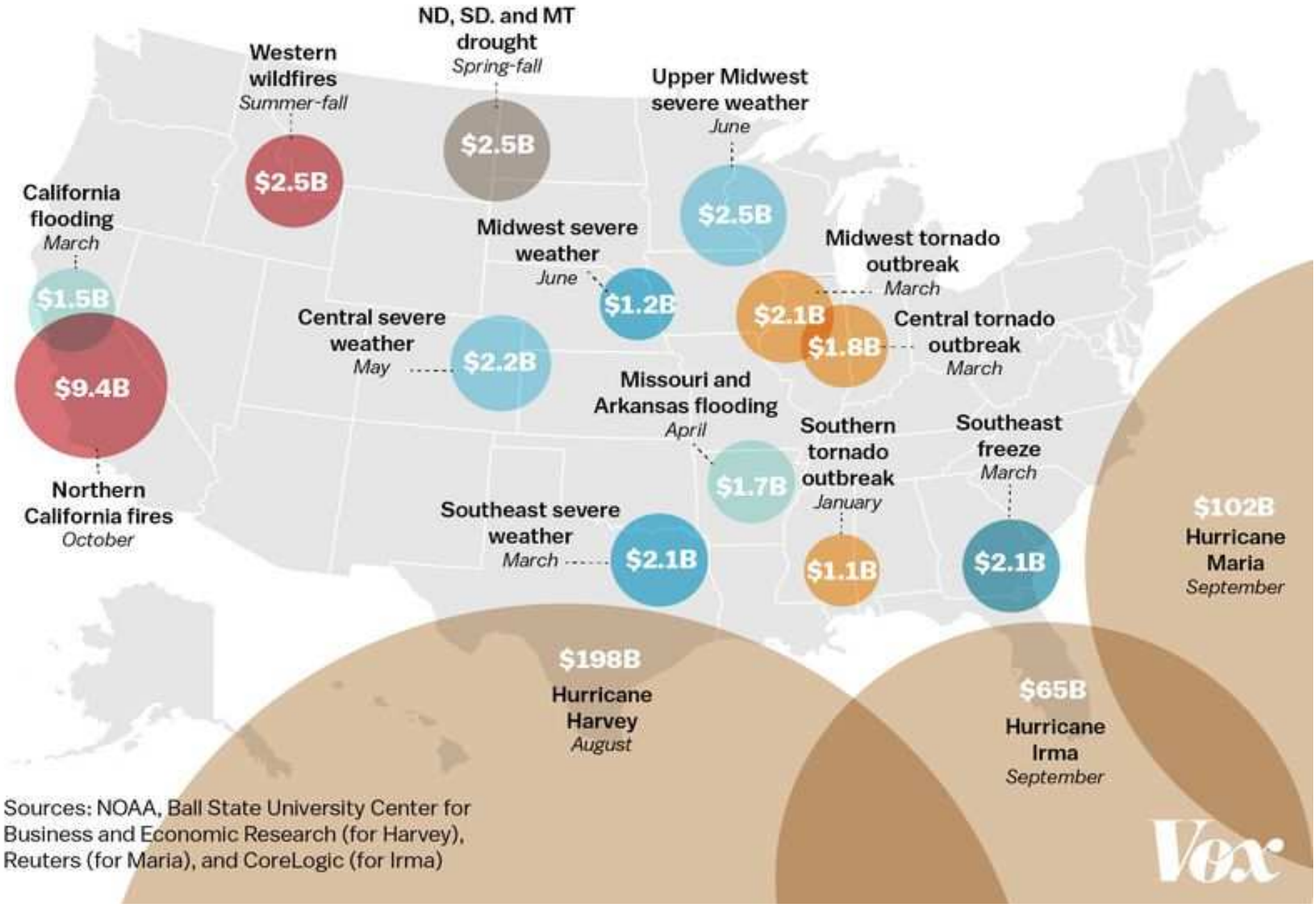
SoCal Fires
December

Billion-dollar disasters of 2017 in the US



Sources: NOAA, Ball State University Center for Business and Economic Research (for Harvey), Reuters (for Maria), and CoreLogic (for Irma)

2017: Year of Disasters

- Cost to the federal government alone – $135B
  - Global impact - $330 B*
  - Second most costliest year in history behind 2011 – Tohoku earthquake in Japan
  - U.S. share of losses - 50% (long-term average of 32%)
- H. Harvey: $85B. Costliest hurricane season on record!
  - FEMA requests jumped tenfold compared to 2016

More frequent *extreme* events in years to come.

"We have a new normal - 2017 was not an outlier."

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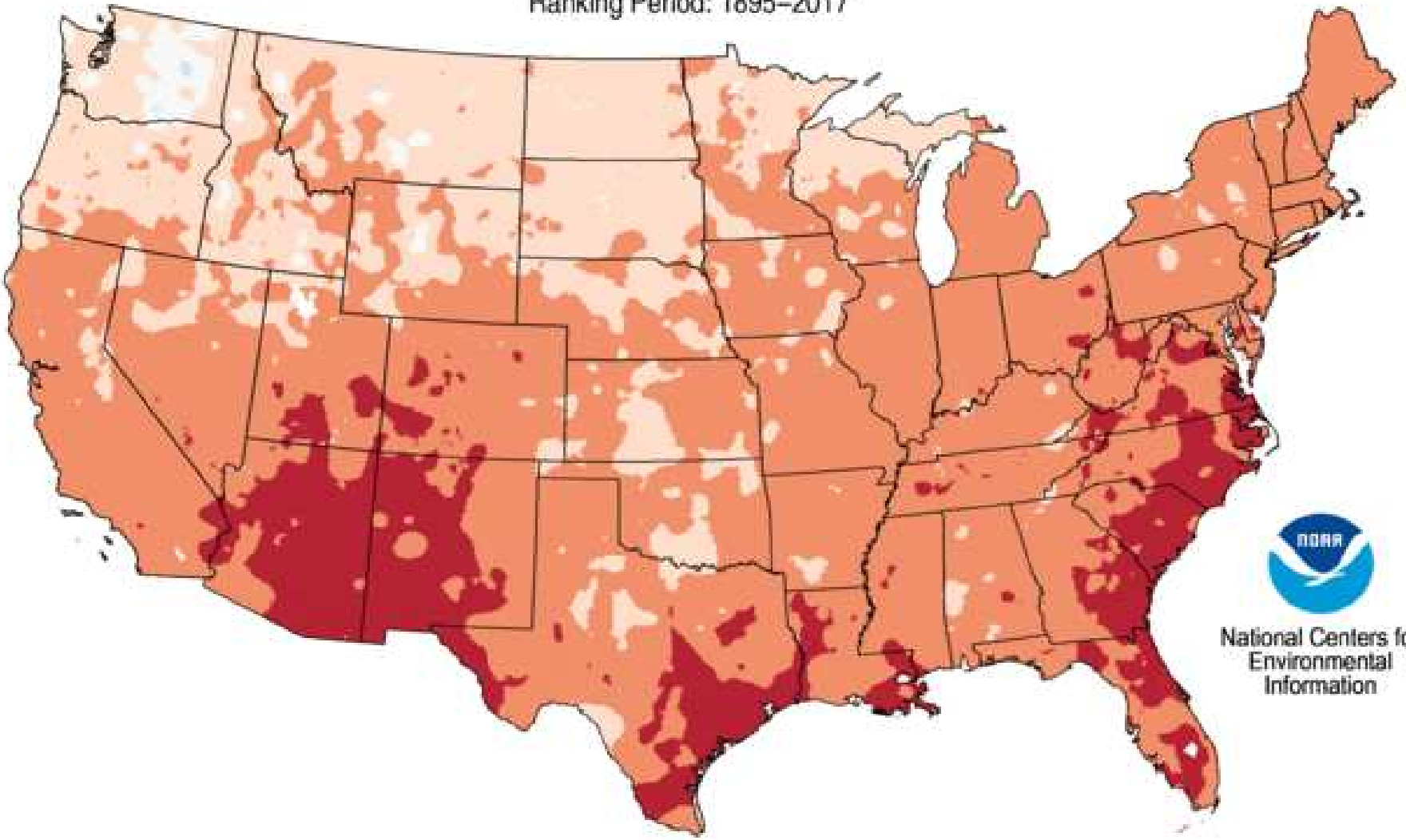
Mean Temperature Percentiles

January–November 2017

Ranking Period: 1895–2017



National Centers for Environmental Information

Record Coldest | Much Below Average | Below Average | Near Average | Above Average | Much Above Average | Record Warmest

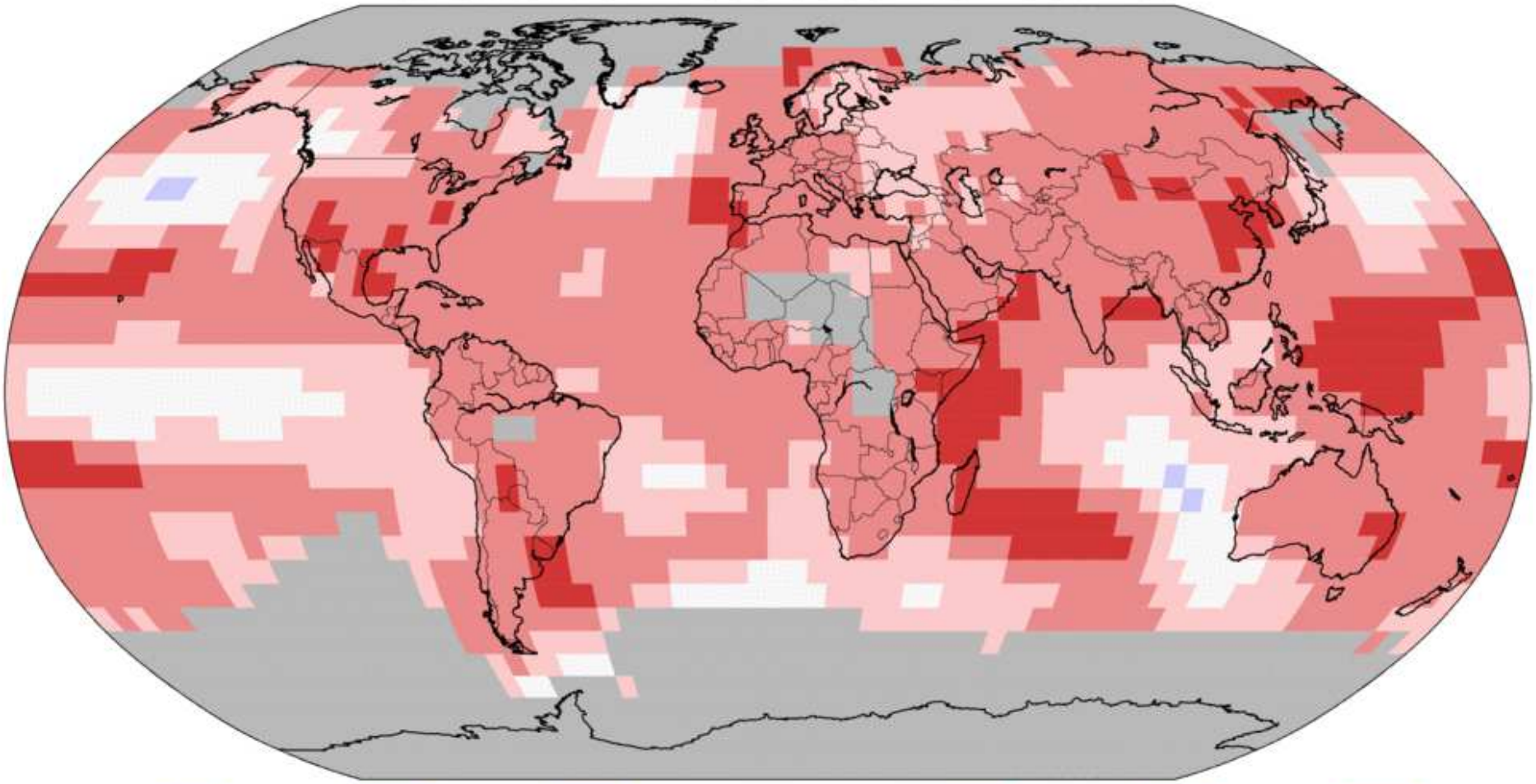
Created: Mon Dec 04 2017

Data Source: 5km Gridded Dataset (nClimGrid)

Land & Ocean Temperature Percentiles Jan–Nov 2017

NOAA's National Centers for Environmental Information

Data Source: GHCN–M version 3.3.0 & ERSST version 4.0.0

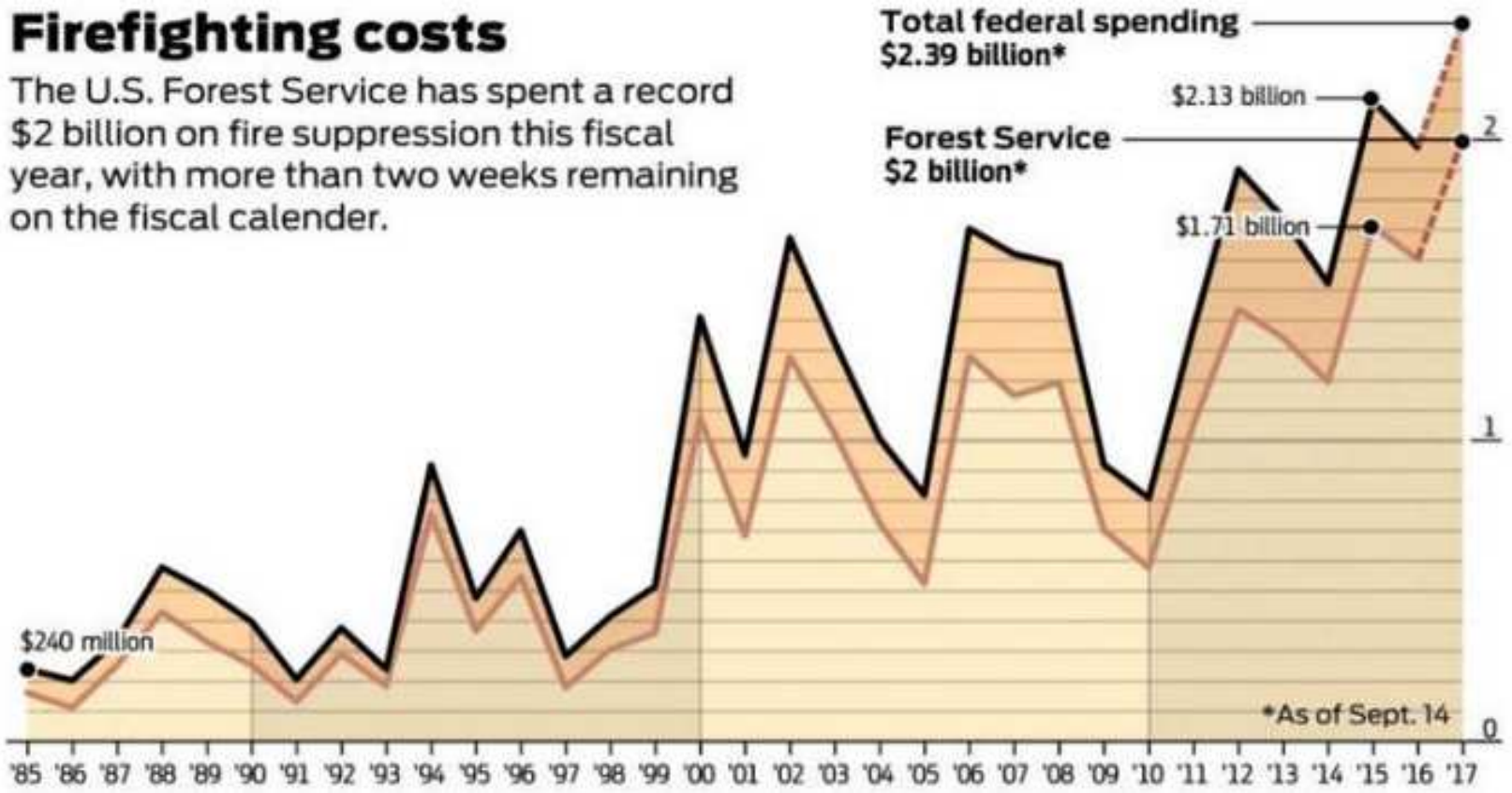


Record Coldest | Much Cooler than Average | Cooler than Average | Near Average | Warmer than Average | Much Warmer than Average | Record Warmest

Wed Dec 13 07:33:33 EST 2017

Fires and Hurricanes

9.5M total acres - making 2017 the second-worst year for fires in terms of square miles burned



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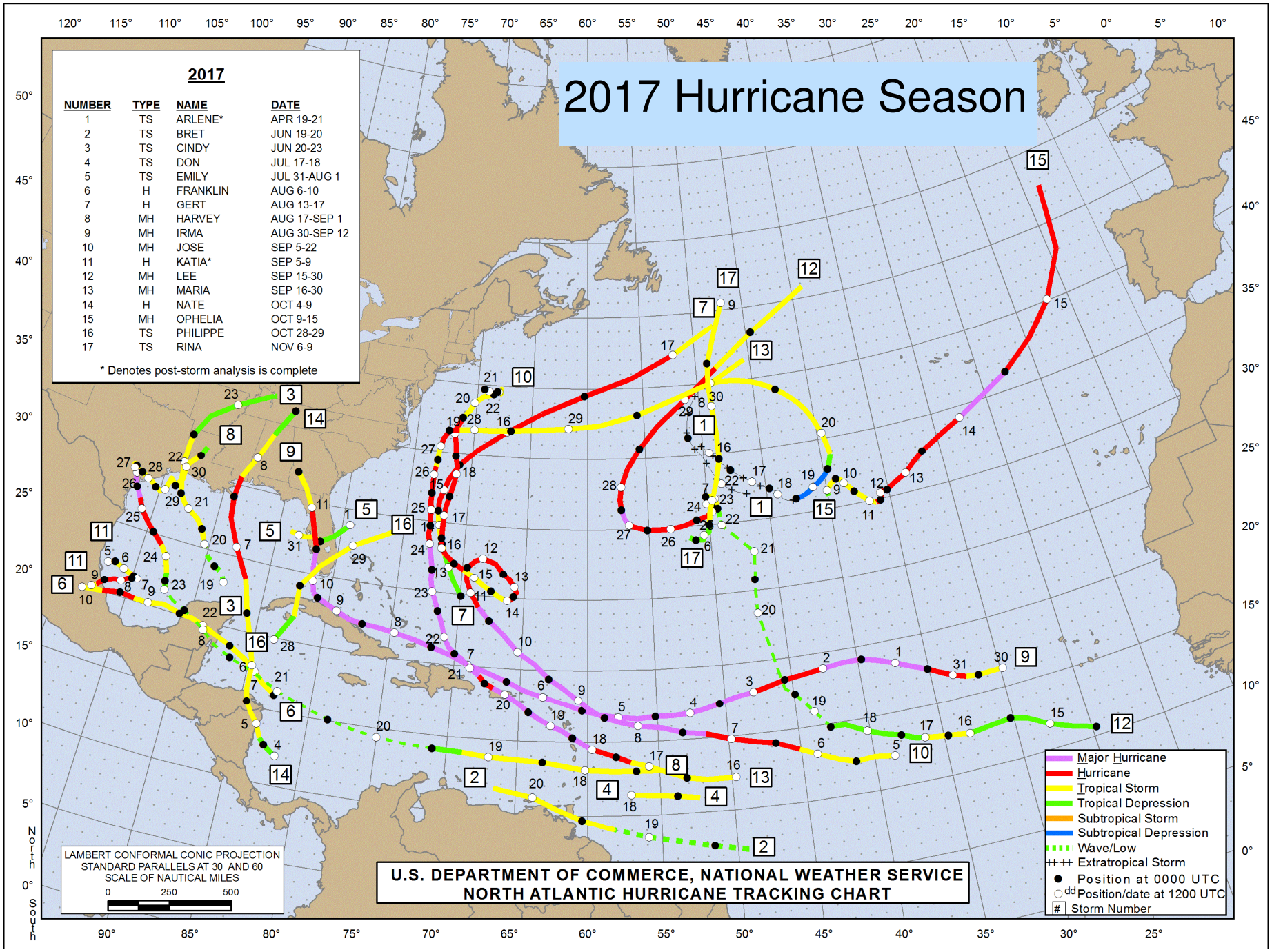
2017 Hurricane Season
2017
NUMBER TYPE NAME DATE
1 TS ARLENE* APR 19-21
2 TS BRET JUN 19-20
3 TS CINDY JUN 20-23
4 TS DON JUL 17-18
5 TS EMILY JUL 31-AUG 1
6 H FRANKLIN AUG 6-10
7 H GERT AUG 13-17
8 MH HARVEY AUG 17-SEP 1
9 MH IRMA AUG 30-SEP 12
10 MH JOSE SEP 5-22
11 H KATIA* SEP 5-9
12 MH LEE SEP 15-30
13 MH MARIA SEP 16-30
14 H NATE OCT 4-9
15 MH OPHELIA OCT 9-15
16 TS PHILIPPE OCT 28-29
17 TS RINA NOV 6-9
* Denotes post-storm analysis is complete
LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30 AND 60
SCALE OF NAUTICAL MILES
0 250 500
U.S. DEPARTMENT OF COMMERCE, NATIONAL WEATHER SERVICE
NORTH ATLANTIC HURRICANE TRACKING CHART
Major Hurricane
Hurricane
Tropical Storm
Tropical Depression
Subtropical Storm
Subtropical Depression
Wave/Low
Extratropical Storm
Position at 0000 UTC
dd Position/date at 1200 UTC
Storm Number

Harvey, Irma, Maria and NorCal Fires

24 Aug	Invite from LDAF to stage for H. Harvey
5 Sep	First relo request for H. Irma
21 Sep	FEMA request for Assessment Team H. Maria
10 Oct	Request from three northern CA counties
31 Dec	Demobilize St Croix shelter

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Hurricane Harvey - 24 August

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	Harvey Aug 17-Sept 3	Irma Aug 30-Sept 16	Maria Sept 13- now
Peak rain total *inches*	**60.58** Texas	**20** Cuba	**20** Puerto Rico
Peak rain rate *inches/hour*	**5.8**	**10.8**	**6.4**

SOURCE: NOAA, NASA

Water rescue indeed!

- 765 companion animals in state-run co-located shelters
- 1424 in independent shelters*
- Agency Having Jurisdiction (AHJ) – Houston SPCA

HOUSTON HUMANE SOCIETY

Nonprofit • Supported by Donations

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Galveston

Sour Lake, Texas

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FOUND CATS and a Fish IN SOUR LAKE
Please contact 512-627-9897 with any information

FOUND DOGS IN SOUR LAKE
Please contact 512-627-9897 with any information

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ASPCA Response to Hurricane Irma - 10 Sep

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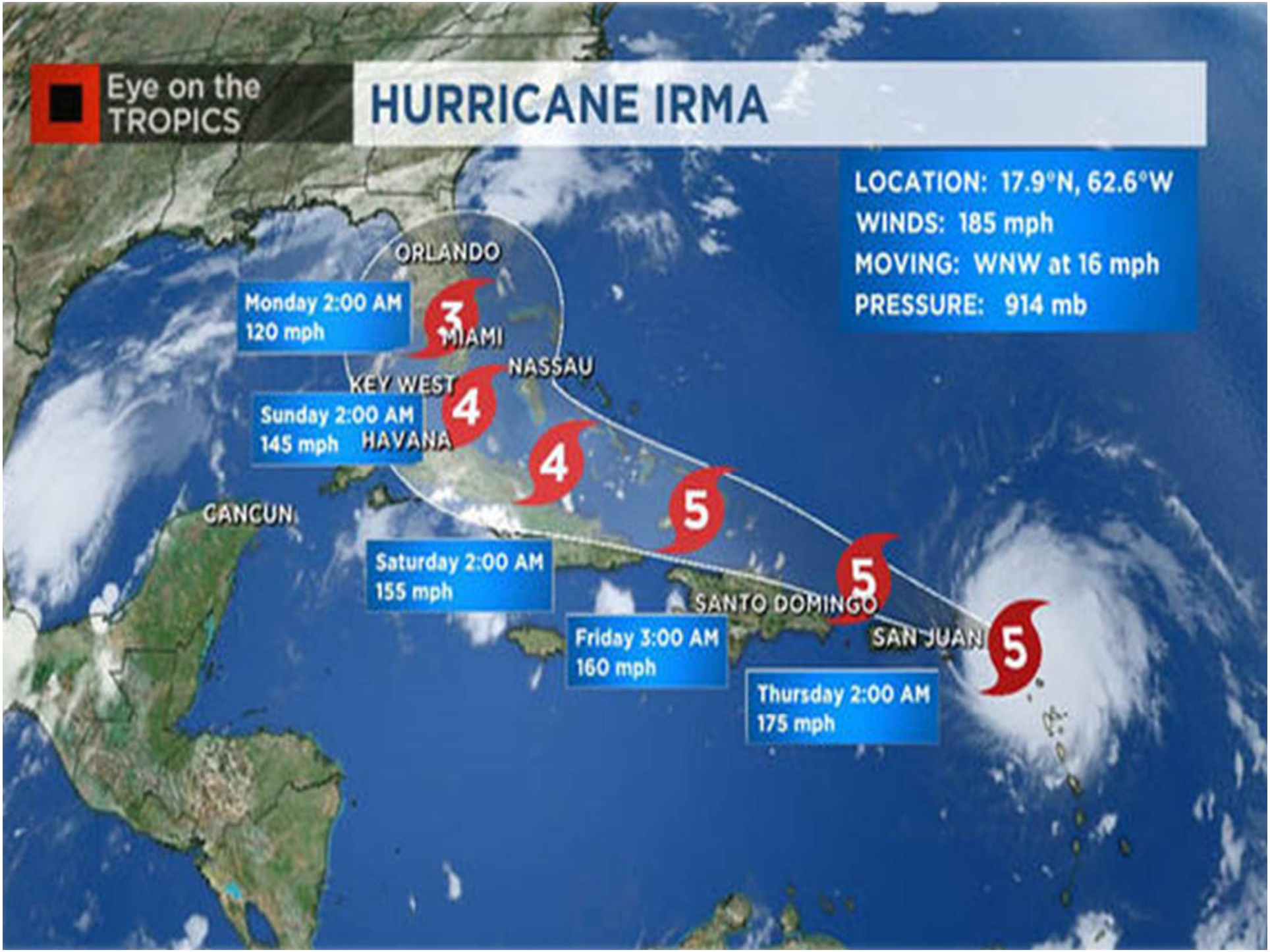
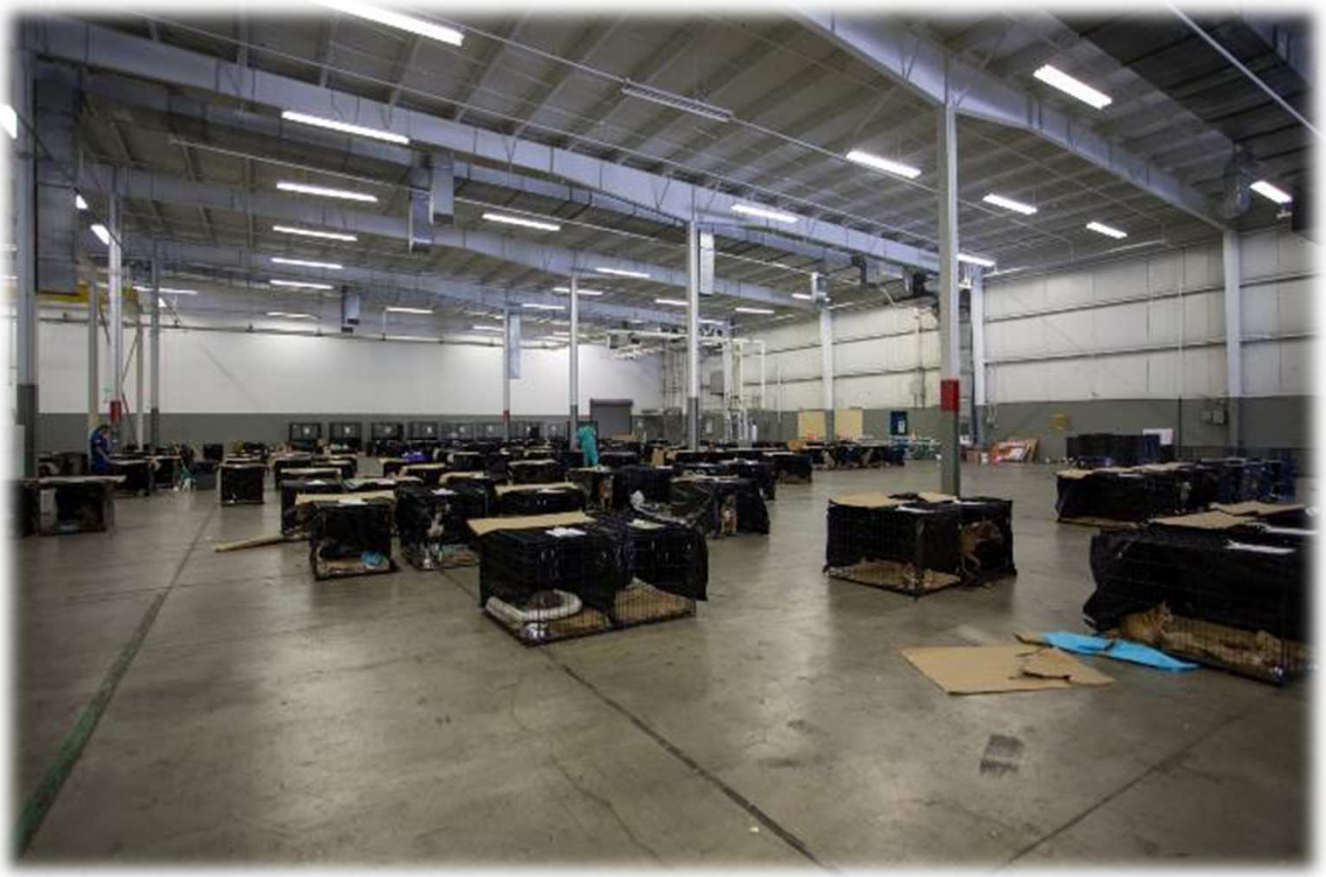

Eye on the TROPICS
HURRICANE IRMA
LOCATION: 17.9°N, 62.6°W
WINDS: 185 mph
MOVING: WNW at 16 mph
PRESSURE: 914 mb
ORLANDO
Monday 2:00 AM
120 mph
3
MIAMI
NASSAU
KEY WEST
4
Sunday 2:00 AM
145 mph
HAVANA
4
5
CANCUN
Saturday 2:00 AM
155 mph
5
SANTO DOMINGO
Friday 3:00 AM
160 mph
SAN JUAN
5
Thursday 2:00 AM
175 mph

Evacuations and Transport



Duncan, SC Shelter

596 animals sheltered

1,263 animals transported

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MDAS Transport FedEx

Food and Supply Distribution

- 23 Agencies supported
- 11,241 Animals Assisted
- 36,000 lbs dry dog food
- 1,000 42” wire cages
- 500 plastic carriers

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Irma Response	Total Unique Responders
Professional Responders	23
Response Partner Agencies/Volunteers	19/84
ASPCA Disaster Response Team	22
ASPCA Disaster Staff	9
ASPCA Volunteers	15
Total Number of Responders	157

Irma Metrics

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Hurricane Maria
20 Sep

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Assessment Process

- September 27-31
- Every major animal welfare group, VIDOA, veterinary clinics, suppliers, farmers, and emergency response groups (FEMA, HHS, ARC)
- Recommendations to Commissioner of VIDOA – 1 Oct

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Recommendations

- Immediate delivery of food and supplies
- Secure storage area
- Emergency shelter for 100 animals: 70 dogs, 30 cats for 30 days
- One Type 3 Companion Animal Sheltering Team
- One Type 3 Large Animal Sheltering Team
- One Type 3 Companion Animal Search and Rescue Team
- One Type 3 Large Animal Search and Rescue Team
- Two Type 1 Animal Behavior Specialists
- One Type 4 Companion Animal Veterinary Team
- One Type 4 Large Animal Veterinary Team

- Fencing
- Site for temporary housing of large animals
- Reconstruction of VIDOA animal holding areas

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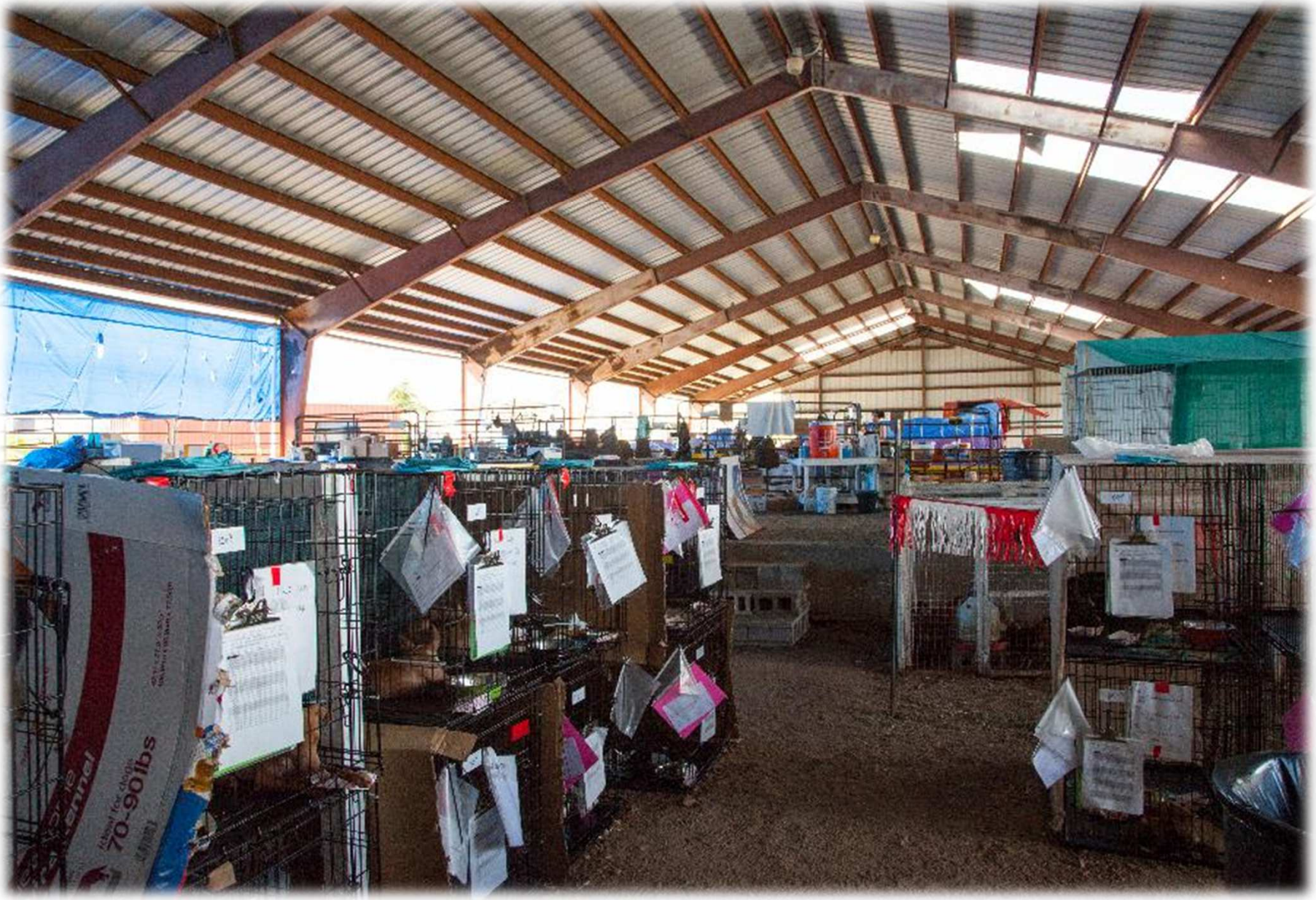

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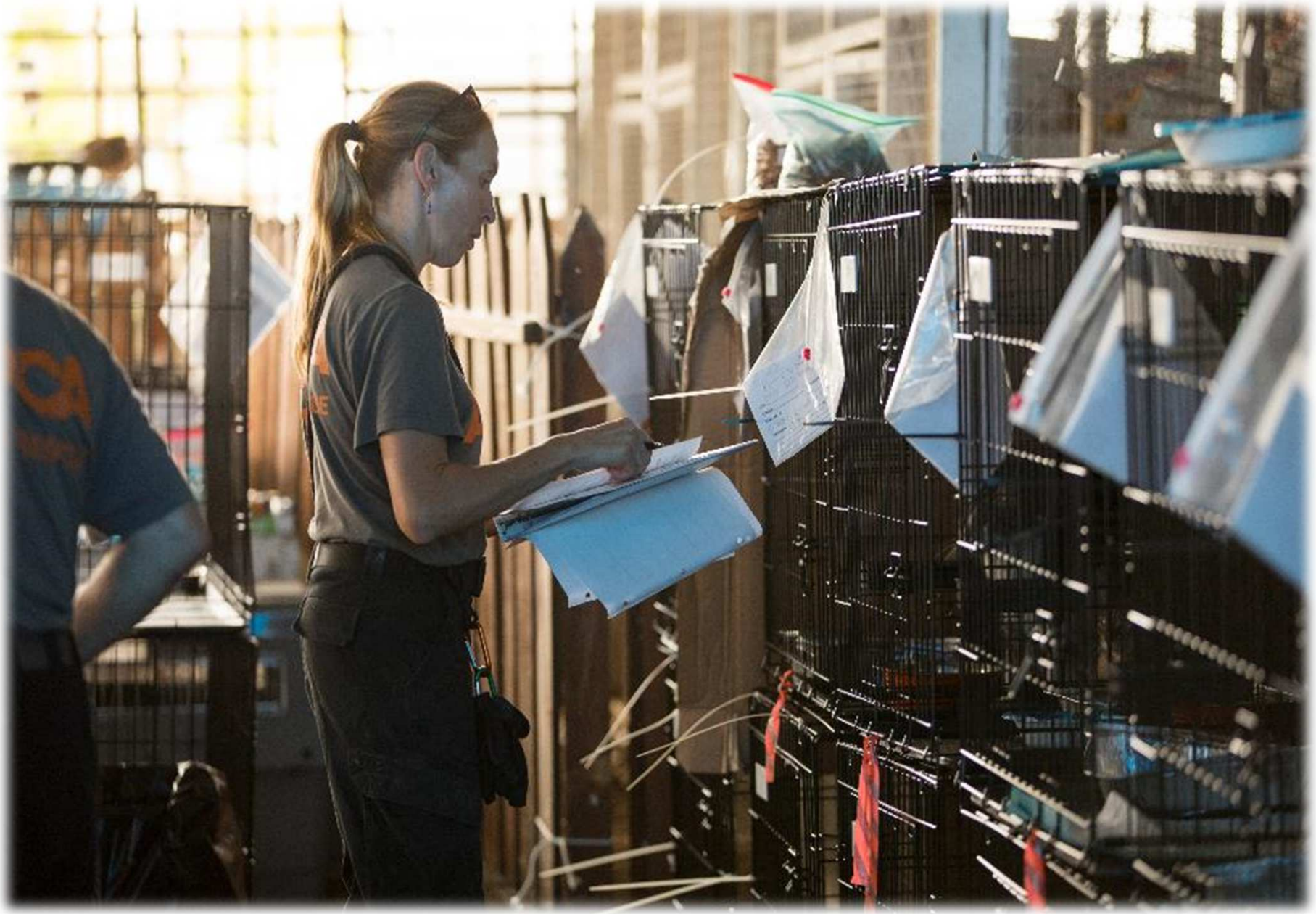

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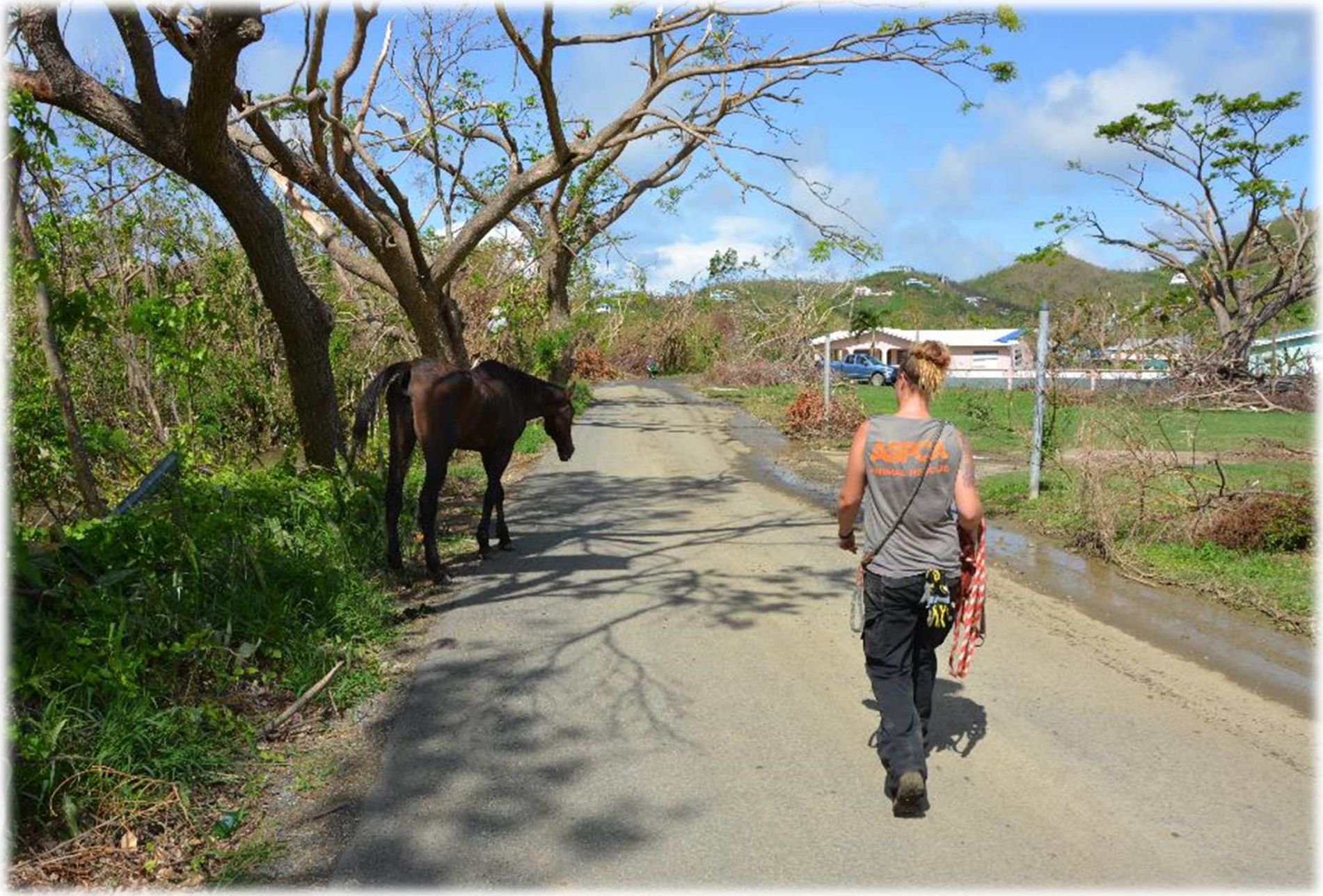

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4x4

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ANIMAL RESCUE

THERLITE
NI CUBES
POLICE
SEMINOLE

N651CT
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ANIMAL RESCUE

4 flights with194 animals to three states (FL, NY, SC) and 9 partners

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Metrics

Shelter population–494

- Total in shelter–238
- RTOs–16
- Adoption–10
- Discharged–99
- Owner surrenders direct to shelter – 193
- Dogs–379 (84.4%)
- Cats–51 (11.3%)
- Horses–14 (3.1%)

Maria 1715: FINAL CASE METRICS	Total Responders
Total # of responders:	133
Professional Responders:	42
Response Partner Volunteers:	46
ACG Behavior:	3
DRT's:	13
FIR Team:	13
ASPCA Volunteers:	16
Responders listed in > 1 category:	0
Total # of Response Partners:	15
Total hours worked:	16,531.87

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Sonoma Co Fires: ASPCA Response

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Value of Networks!

Mendocino Co

Lake Co

Sonoma Co

Marin Co

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Regional Caches

128	10’x6’ chain link panels
28	10’x6’ chain link panel gates
180	42” wire crates
180	36” wire crates
2	Generators

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Initial Response

Emergency sheltering supplies from Warehouse to:

- Mendocino
- Sonoma

American Red Cross

American Logistics Aid Network
Mobilizing for Emergency Response

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Initial Response

- Overhead Management support for SCAS
  - Sheltering, Medical, Logistics, Resource Management
- Relocation of animals out of Bay area

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Resource Management

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MARATHON
ASPCA
Animal Rescue
Humane Society of Sonoma County

1243
FARMERS BEST ROPE-A-RIDE
Premium Livestock Feeds

Community Fair

"Join us at our warehouse and let us help you care for your companions by providing you with the essentials for free. We'll have cat and dog food, cat and dog crates and carriers, collars, leashes, litter pans, food and water bowls and more!"

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Welfare Checks

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Trapping

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ASPCA
ANIMAL RESCUE

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No Koi Left Behind

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Rubbermaid
Commercial Products

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Santa Clara Valley Koi and Water Club

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2017 ASPCA Totals

30 Deployments

- 5 Cruelty
- 17 Blood sports
  - 13 Dogfighting
  - 4 Cockfighting
- 6 Disasters
- 2 Transport/other

60+ Investigations

40+ Consultations

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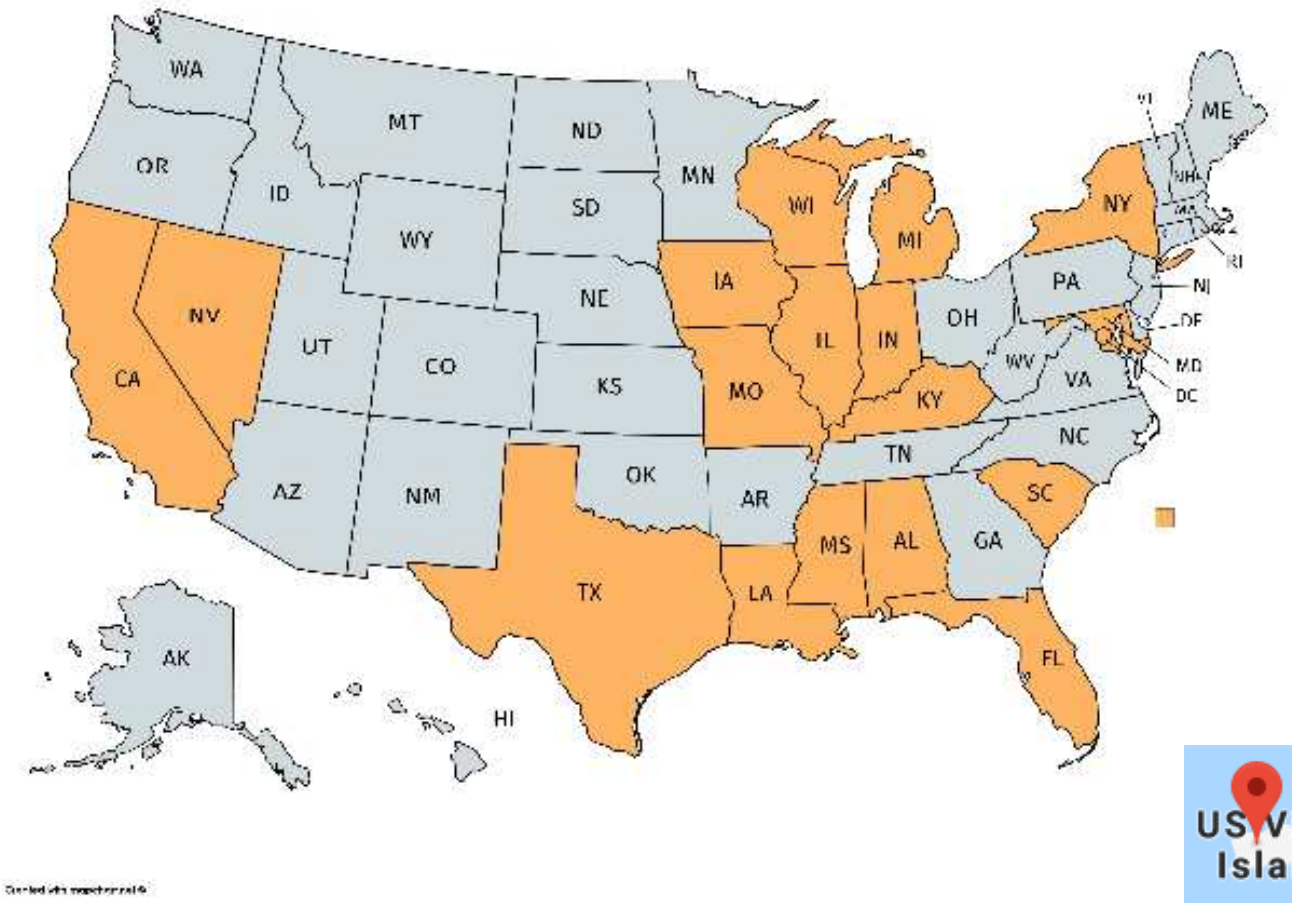
2017 Totals

2017 Deployment locations – 19 states/territories



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2017 Totals

1,307 Total Unique Responders

160,989+ Total Responder Hours

- 20,000 hours more than 2016!

Over 3,000 animals placed

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Our Total Animal Impact

Over 4,500+ animals rescued

Over 40,000+ total animals impacted

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Thank You!

Andybob Green

DG and Dickens

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