

The background of the slide is a dark green color with a pattern of lighter green, stylized leaf and vine motifs. The vines are thin and curvy, with small leaves attached. The overall effect is a natural, organic feel.

The Green Leaf Project - Turning over a new leaf

Ian Cottingham - Director, Computing Innovation Group

Cloud Computing

- Like the web before it, cloud computing is reshaping the way people work.
 - Interconnected applications can deliver realtime data almost anywhere;
 - Web-aware software and devices transcend normal working modes.
- Robust infrastructure for the delivery of target services and information:
 - Effortless data discovery and access = better decision support.

Finding Information

- Show of hands: who has not heard of Google?
 - Now: who has not ever used a Google product?
- Google has become a ubiquitous gatekeeper of information on the web.
 - Another question: how many of you have 'Googled' yourself?
- There isn't much out there that cannot be found using a Google application. Or is there?
 - When it comes to climate, Google can do the big picture, but a big picture can be misleading.

Our Approach

- This iteration of tools were built around Google concepts for information discovery:
 - Search: the primary feature for all integrated tools, making data easy to find and use;
 - Maps: built using Google Maps, creating an easily recognizable interface for interacting with drought and climate data;
 - Organization: data and information are organized around common use cases, making it easy to use for decision support activities.
 - Integration: all of the data sets we use are integrated to provide a multi-faceted approach to information discovery.
- Enabled by an advanced data integration, GIS-aware, application architecture: The Framework for Integrated Risk Management.

Tool Box

- [Latest News and Information](#)
- [Maps and Visualizations](#)
- [Data Reports and Analysis](#)
- [Tool Downloads](#)
- [Query Builder](#)
- [Data Feed Builder](#)

Search for:

[Weather Stations](#)
[Drought Impact Reports](#)



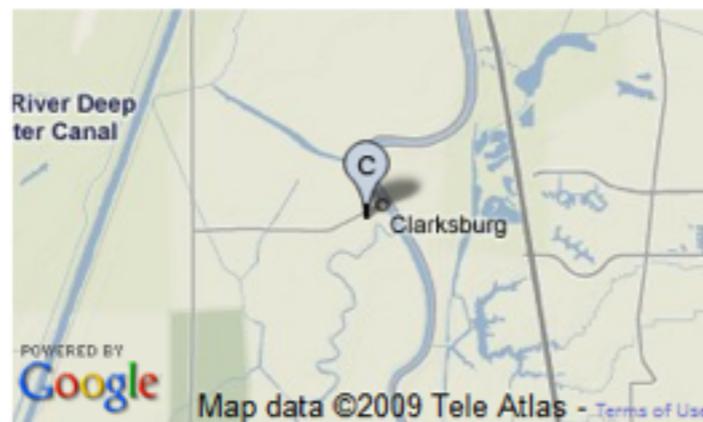
Always on, always up-to-date data

With The GreenLeaf Project RSS feed builder the latest data is just an update away. From Google Reader to your cell phone - the data is there to support your decisions.



Sacramento, CA (94203) - [Change Location](#)

Local Weather Stations



CLARKSBURG

Apr 01, 1935 to Nov 30, 1974

Local Drought Map



[Click to enlarge the map](#)

Local Drought Impact Reports

- [The director of the California Department of Water...](#)
- [The U.S. Bureau of Reclamation and the state Depar...](#)
- [Wildfires in California have been larger than usua...](#)

[Subscribe to the RSS Feed](#)

Query Builder

Searching for: [Weather Stations](#) [Drought Impact Reports](#)

Find Stations:

with **all words**

unlimited results

located in a **state**

located in a **county**

located near a **zip code**

1 Mile

without the words

located outside of a **state**

located outside of a **county**

Meeting Criteria:

- reporting **normal temperature** in the range  to  reporting **at least**
- reporting **high temperature** in the range  to  reporting **at least**
- reporting **low temperature** in the range  to  reporting **at least**
- reporting **precipitation** in the range  to  reporting **at least**
- with **all variables** in the range  to  reporting **at least**

Full Data Search:

- Use metadata (faster) Examine data record (more accurate)

 [Run Query](#)

Query Builder

Searching for: [Weather Stations](#) [Drought Impact Reports](#)

Find Stations:

with **all words**

unlimited results

located in a **state**

located in a **county**

located near a **zip code**

1 Mile

without the words

located outside of a **state**

located outside of a **county**

Meeting Criteria:

reporting **normal temperature** in the range



to



reporting at least

90%

reporting **high temperature** in the range

2009/2/9



reporting **low temperature** in the range



reporting **precipitation** in the range



with **all variables** in the range



Full Data Search:

Use metadata (faster) Examine

<< < February, 2009 > >>

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
1	2	3	4	5	6	7
8	9	10	11	12	13	14

2009/2/9 | Clean | Today

[Weather Stations](#) [Drought Impact Reports](#)

Search

Find weather station data by state, station name, or county, examples:

Ashland 2
Cherry County
Nebraska (or NE)



[Query Builder](#)

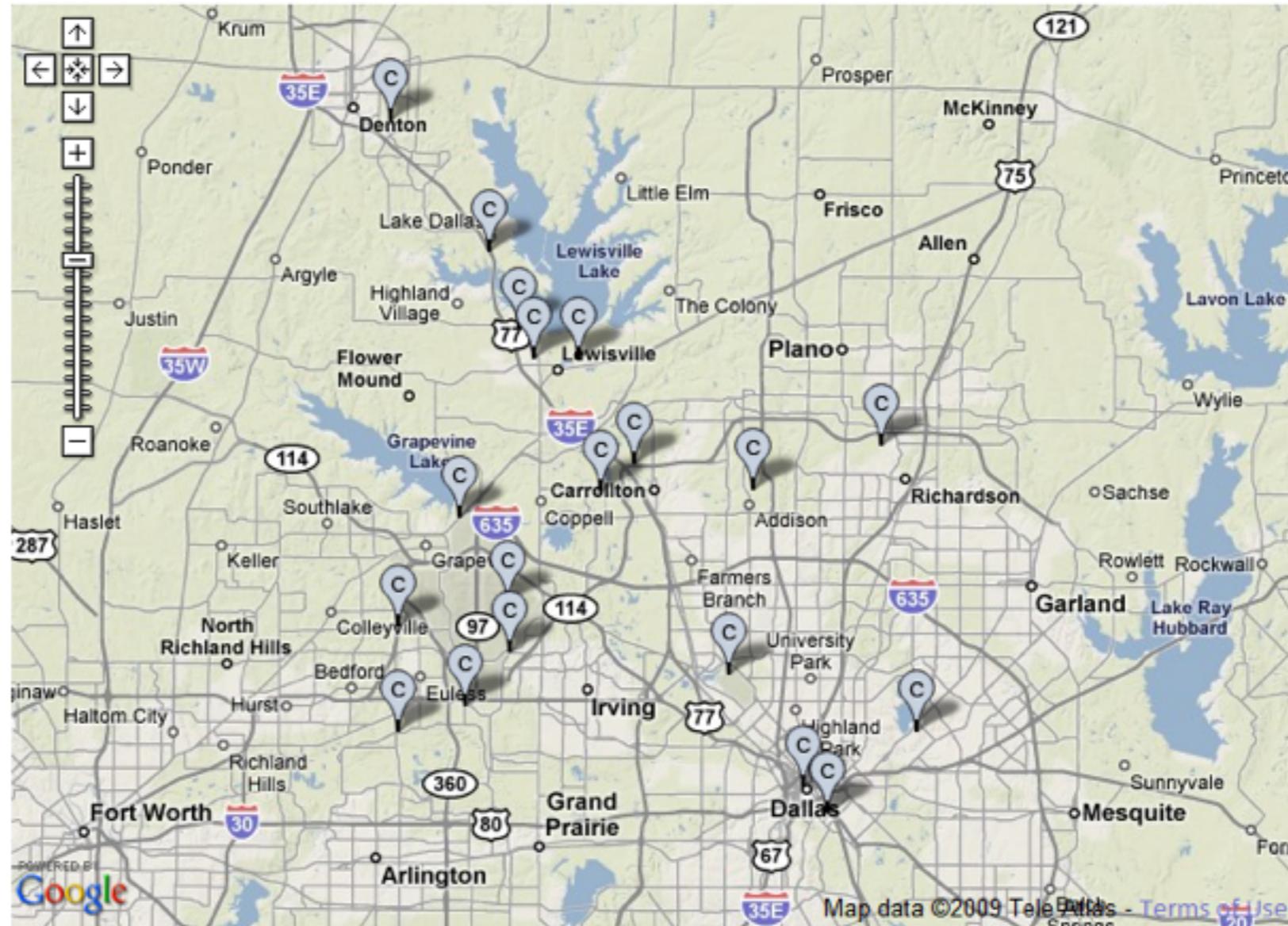
Weather Station Results for query: Dallas, TX with 19 results on 2 pages.

See also: [Drought Impact Reports](#)

1 2 Next

Station Names

- DALLAS LOVE FLD 412244
- RICHARDSON 417588
- DALLAS ADDISON AP 410058
- CARROLLTON 411490
- DALLAS 412243
- DALLAS ARBORETUM 412228
- LEWISVILLE DAM 415192
- LEWISVILLE 2 E 415190
- DENTON 2 SE 412404
- FT WORTH GTR SW INTL AP 413283
- GRAPEVINE DAM 413691
- DALLAS FT WORTH AP 412242
- GLADE 413564
- ESTELLE 412965
- LEWISVILLE 415191



[Weather Stations](#) [Drought Impact Reports](#)

Search

Find weather station data by state, station name, or county, examples:

Ashland 2
Cherry County
Nebraska (or NE)



[Query Builder](#)

Weather Station Results for query: Dallas, TX with 19 results on 2 pages.

See also: [Drought Impact Reports](#)

1

2

[Next](#)

Station Names

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- RICHARDSON 417588
- DALLAS ADDISON AP 410058
- CARROLLTON 411490
- DALLAS 412243
- DALLAS ARBORETUM 412228
- LEWISVILLE DAM 415192
- LEWISVILLE 2 E 415190
- DENTON 2 SE 412404
- FT WORTH GTR SW INTL AP 413283
- GRAPEVINE DAM 413691

- DALLAS FT WORTH AP 412242

Tarrant County Texas

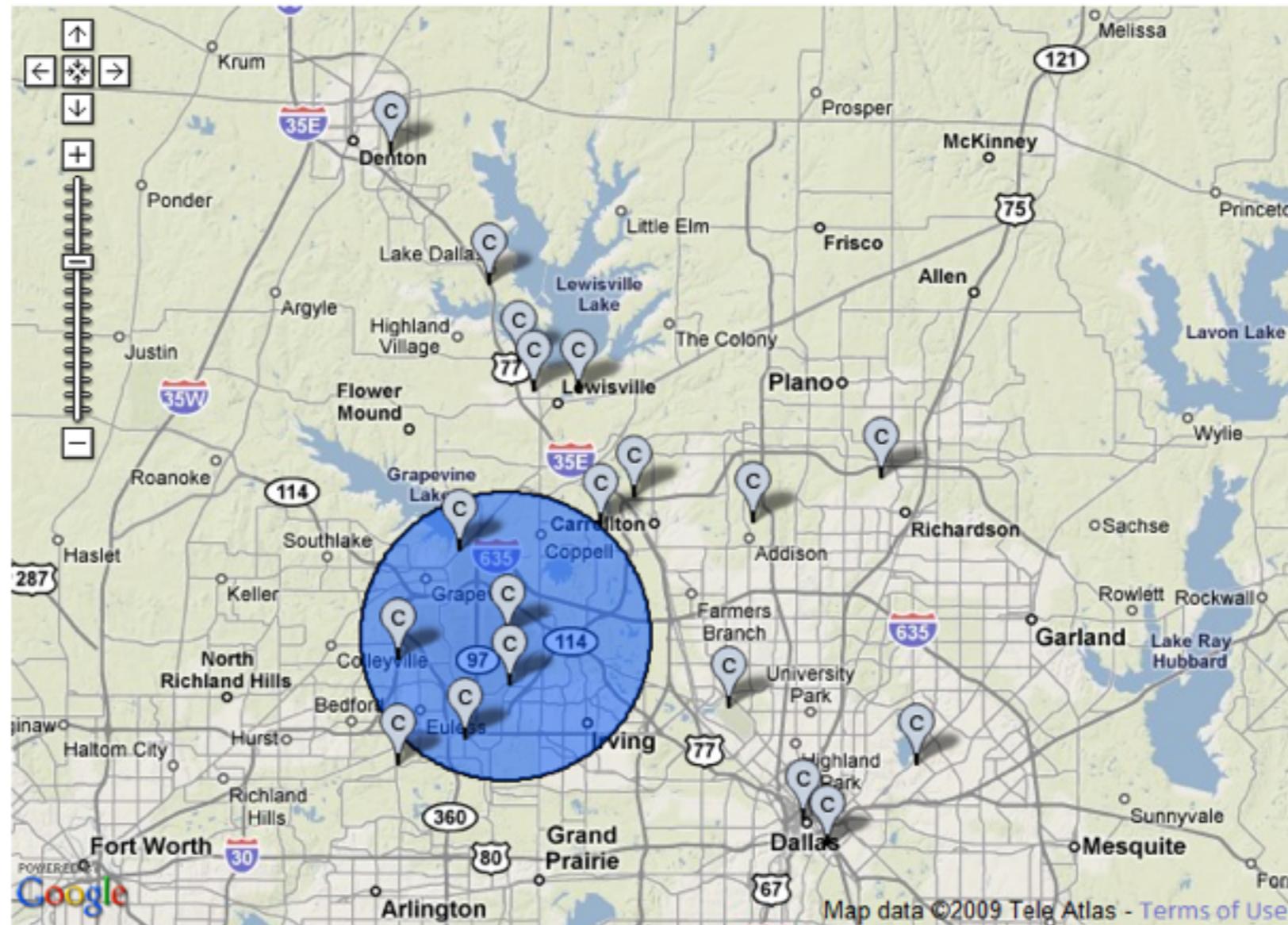
Starting Date: Jan 01, 1974

Ending Date: Feb 07, 2008



- GLADE 413564

- ESTELLE 412965



Map data ©2009 Tele Atlas - [Terms of Use](#)

[Weather Stations](#) [Drought Impact Reports](#)

Search

Find weather station data by state, station name, or county, examples:

Ashland 2
Cherry County
Nebraska (or NE)



[Query Builder](#)

Weather Station Results for query: Dallas, TX with 19 results on 2 pages.

See also: [Drought Impact Reports](#)

Station Names

- DALLAS LOVE FLD 412244
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- GRAPEVINE DAM 413691
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- ESTELLE 412965
- LEWISVILLE 415191

DALLAS FT WORTH AP (412242)
Tarrant County Texas
Latitude: 32.898 Longitude: -97.019
Start Date: Jan 1, 1974 End Date: Feb 7, 2008

Available Variables:

- Precipitation
- High Temperature
- Average Wind Speed
- Low Temperature
- Average Temperature
- Average Relative Humidity

[View Station Report](#)

DALLAS FT WORTH AP (412242)

[Return to search](#)

County:	Tarrant	Variable:	Starting:	Ending:	Reporting:
State:	Texas	Precipitation	Jan 1, 1974	Feb 5, 2008	100%
Start Date:	Jan 1, 1974	Average Temperature	Jan 1, 1974	Feb 5, 2008	100%
End Date:	Jan 31, 2008	Low Temperature	Jan 1, 1974	Feb 5, 2008	100%
Latitude:	32.90	Average Relative Humidity	Dec 31, 2003	Feb 5, 2008	100%
Longitude:	-97.02	Average Wind Speed	Dec 31, 2003	Feb 5, 2008	100%
		High Temperature	Jan 1, 1974	Feb 5, 2008	100%

Drought Impact Reports

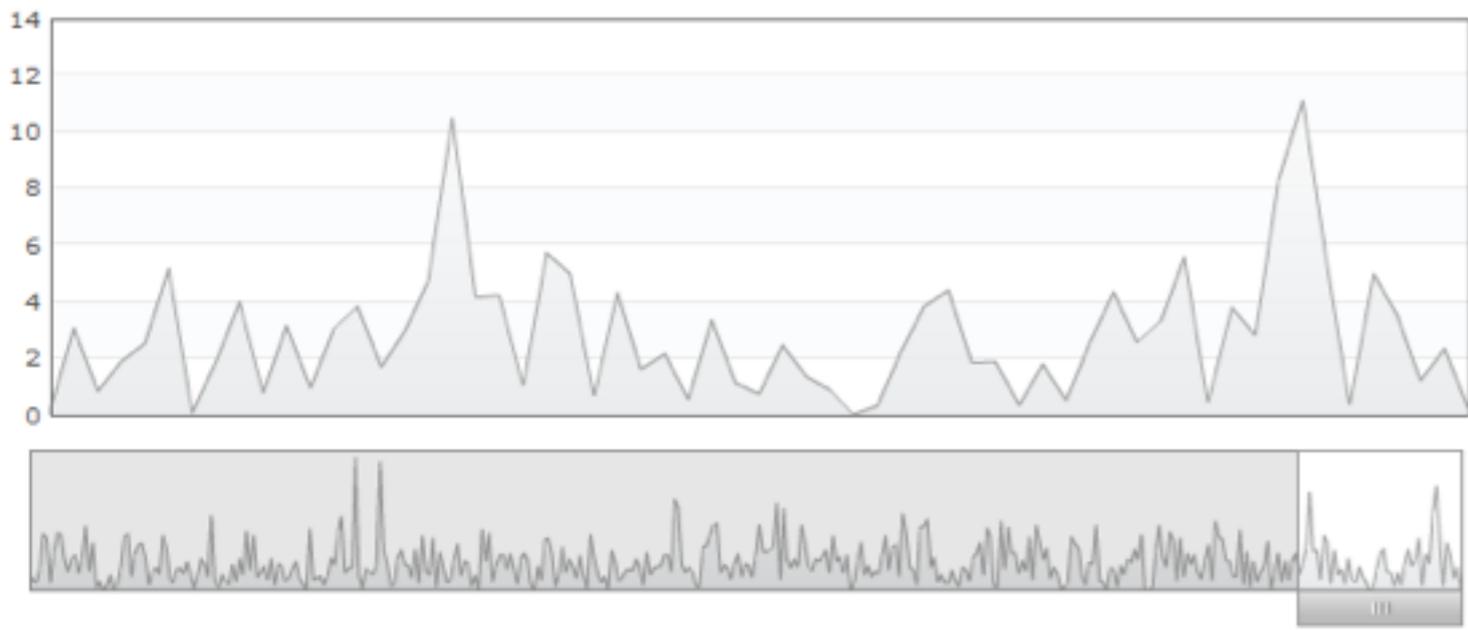
Drought Impact Reports provided by The National Drought Mitigation Center.

Newer Drought Impact Reports

There are 129 counties across Texas that have burn... [\(read more\)](#)
 Category: Wildfire
 Date of Impact: Jan 3, 2008
[View Original Reference](#)

Data Quick Look

Climate Report - Precip Jan 1, 2003 to Jan 31, 2008 Zoom - [6 months](#) [1 year](#) [5 years](#) [10 years](#)



Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2003	0.22	3.07	0.85	1.90	2.53	5.17	0.08	1.85	3.99	0.78	3.15	0.96
2004	3.04	3.84	1.71	2.96	4.73	10.49	4.16	4.24	1.02	5.72	5.01	0.65
2005	4.33	1.62	2.17	0.56	3.35	1.14	0.74	2.46	1.36	0.89	0.02	0.33
2006	2.25	3.85	4.40	1.86	1.90	0.34	1.78	0.52	2.60	4.34	2.58	3.33
2007	5.58	0.43	3.81	2.82	8.34	11.10	5.54	0.35	4.99	3.53	1.22	2.34
2008	0.27											

Losses in the agricultural sector have reached \$1.... [\(read more\)](#)
 Category: Agriculture
 Dates of Impact: Jan 1, 2008 to Dec 31, 2008
[View Original Reference](#)

Agricultural losses due to drought in Texas are es... [\(read more\)](#)
 Category: Agriculture
 Dates of Impact: Jan 1, 2008 to Sep 10, 2008
[View Original Reference](#)

Fireworks with sticks and fins are restricted in T... [\(read more\)](#)
 Category: Wildfire
 Date of Impact: Dec 20, 2007
[View Original Reference](#)

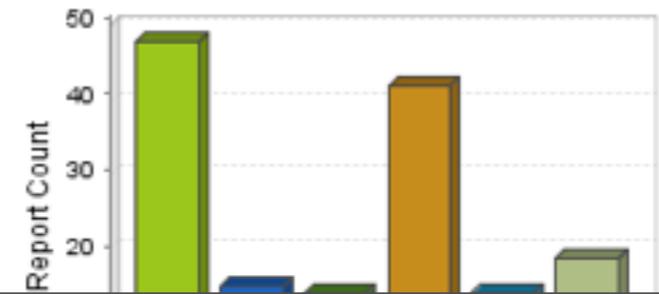
The Dallas-Forth Worth area is still under water r... [\(read more\)](#)
 Category: Water Supply and Quality
 Date of Impact: May 24, 2007
[View Original Reference](#)

Older Drought Impact Reports

Planting Guide



Number of Drought Impact Reports by Report Type



DALLAS FT WORTH AP (412242)

County:	Tarrant	Variable:
State:	Texas	Precipita
Start Date:	Jan 1, 1974	Average
End Date:	Jan 31, 2008	Low Ten
Latitude:	32.90	Average
Longitude:	-97.02	Average
		High Ter

Close Dialog

Report Entry Date:	May 24, 2007	Full Text:
Effect Starting:	May 24, 2007	The Dallas-Forth Worth area is still under water restrictions because the lakes that supply drinking water are not completely full. Residents with an even-numbered address may water on Mondays, Wednesdays, and Fridays, while those with an odd-numbered address may water on Tuesdays, Thursdays, and Saturdays. New pool permits will not be issued. On May 22, Lake Lavon was almost a foot below the conservation pool level, while Lake Jim Chapman was more than 10 feet low.
Effect Ending:	May 24, 2007	
Loss Amount:	\$0.00	
Category:	Water Supply and Quality	
- Original Story -		
Affected Region(s)	Dallas County Texas, Tarrant County Texas	

Data Quick Look

Climate - Precip Jan 1, 2007



Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2003	0.22	3.07	0.85	1.90	2.53	5.17	0.08	1.85	3.99	0.78	3.15	0.96
2004	3.04	3.84	1.71	2.96	4.73	10.49	4.16	4.24	1.02	5.72	5.01	0.65
2005	4.33	1.62	2.17	0.56	3.35	1.14	0.74	2.46	1.36	0.89	0.02	0.33
2006	2.25	3.85	4.40	1.86	1.90	0.34	1.78	0.52	2.60	4.34	2.58	3.33
2007	5.58	0.43	3.81	2.82	8.34	11.10	5.54	0.35	4.99	3.53	1.22	2.34
2008	0.27											

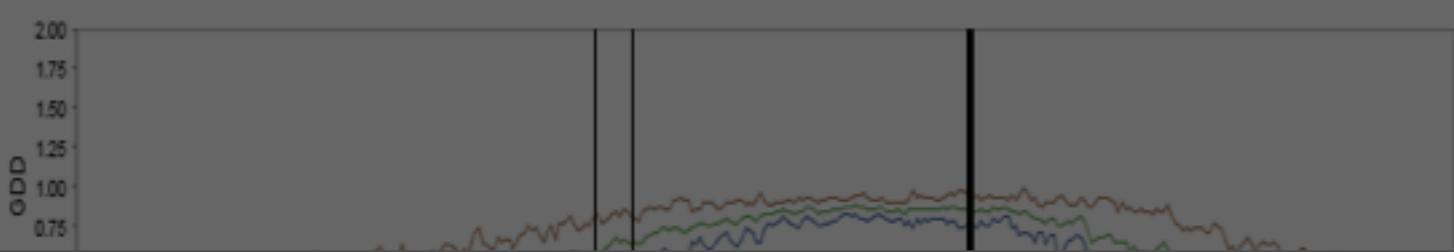
Date of Impact: Dec 20, 2007
[View Original Reference](#)

The Dallas-Forth Worth area is still under water r...
[\(read more\)](#)

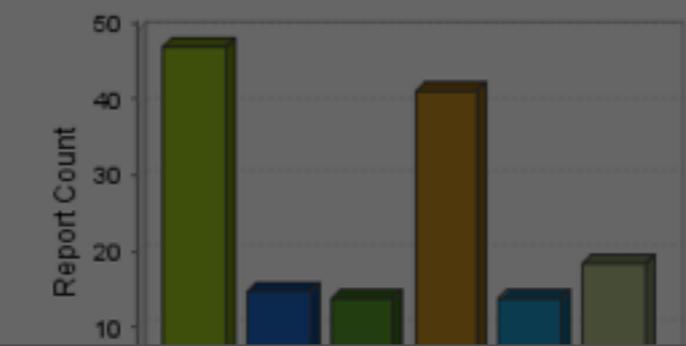
Category: Water Supply and Quality
 Date of Impact: May 24, 2007
[View Original Reference](#)

Older Drought Impact Reports

Planting Guide



Number of Drought Impact Reports by Report Type





Category: Wildlife
 Date of Impact: Dec 20, 2007
[View Original Reference](#)

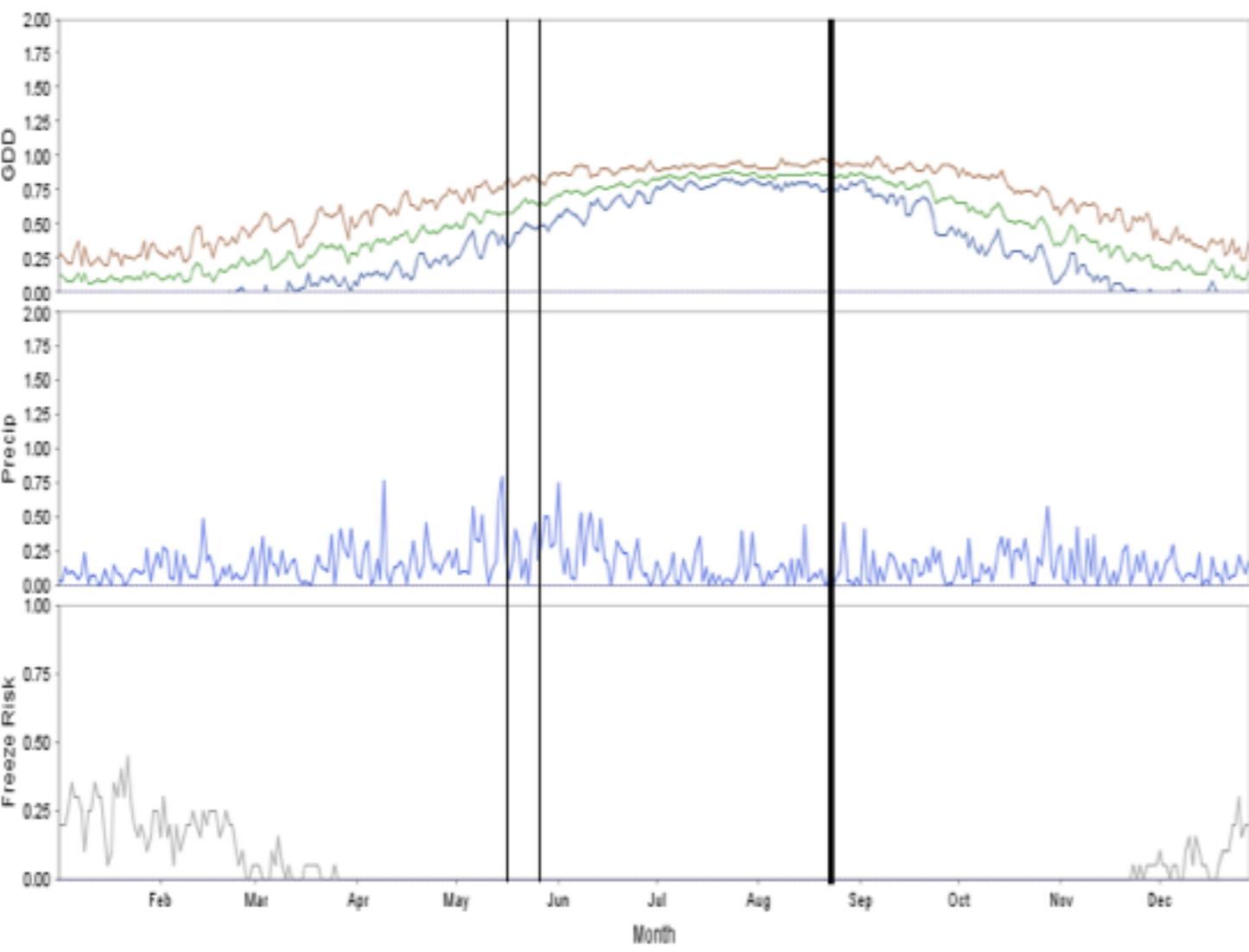
The Dallas-Forth Worth area is still under water r...
[\(read more\)](#)

Category: Water Supply and Quality
 Date of Impact: May 24, 2007
[View Original Reference](#)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2003	0.22	3.07	0.85	1.90	2.53	5.17	0.08	1.85	3.99	0.78	3.15	0.96
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Older Drought Impact Reports

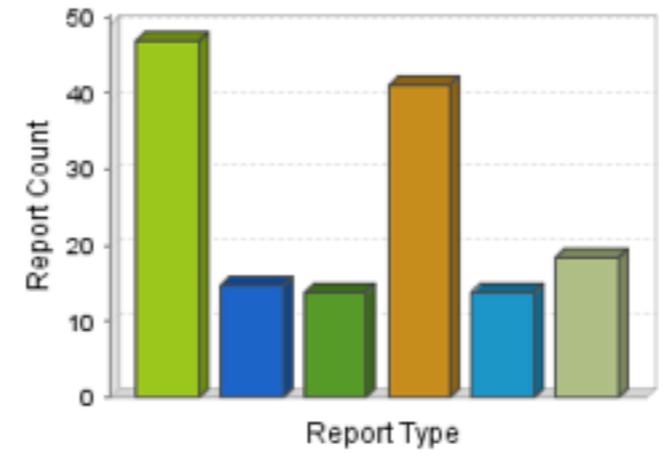
Planting Guide



— GDD — GDD+SD — GDD-SD — Precipitation — Freeze Risk

Dates:	Time Frame	Precipitation
Planting Date: 5/30	Total Days: 99	Emergence: 2.0088236
Emergence Date: 6/9	Relative Maturity Days: 120	Maturity: 7.4176483
Maturity Date: 9/6	Growing Degree Days: 2873	

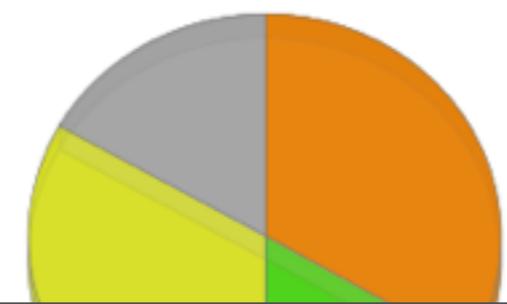
Number of Drought Impact Reports by Report Type

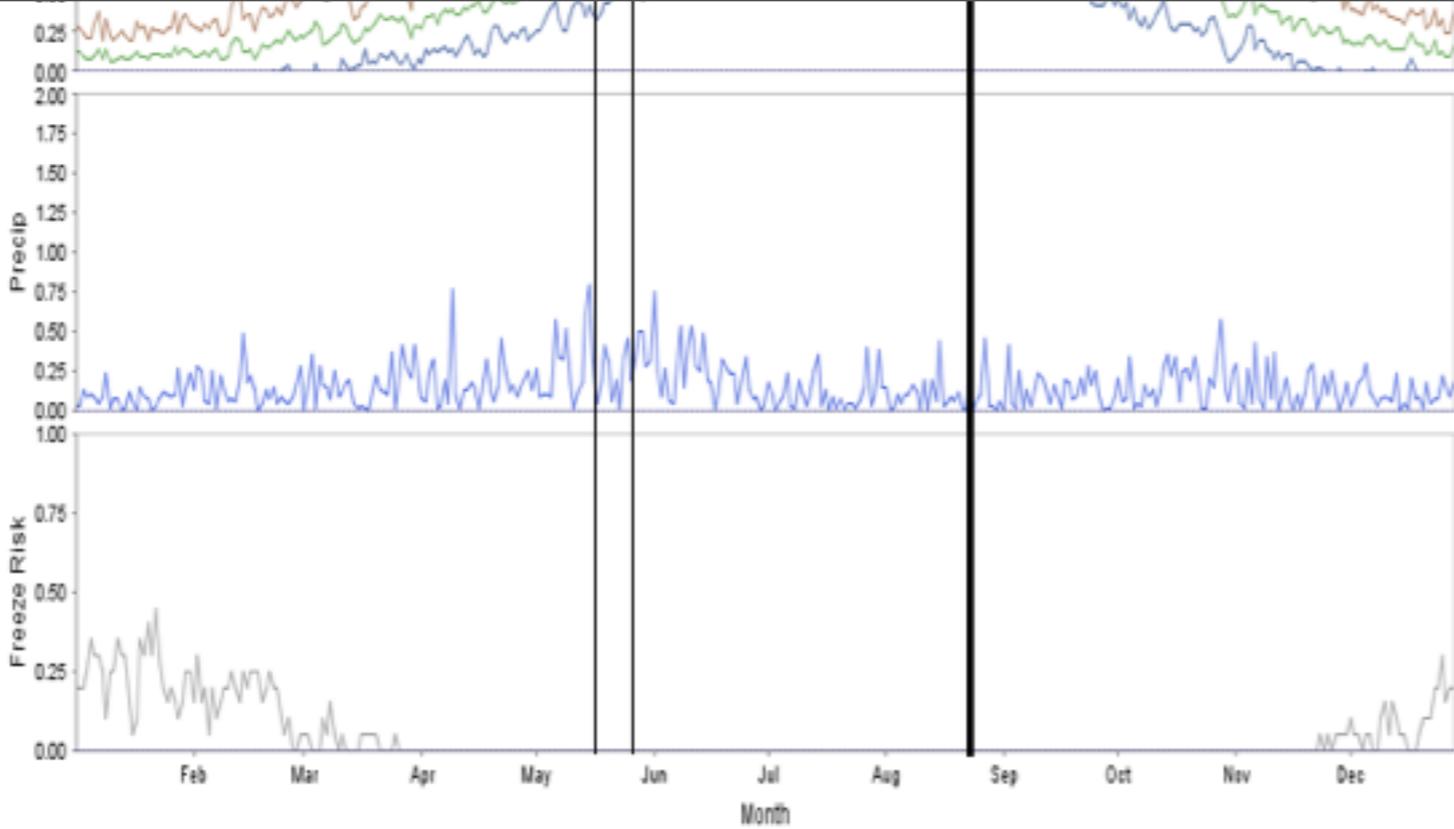


■ Agriculture ■ Water Supply and Quality
■ Plants and Wildlife ■ Wildfire
■ Society and Public Health
■ Other or Unclassified

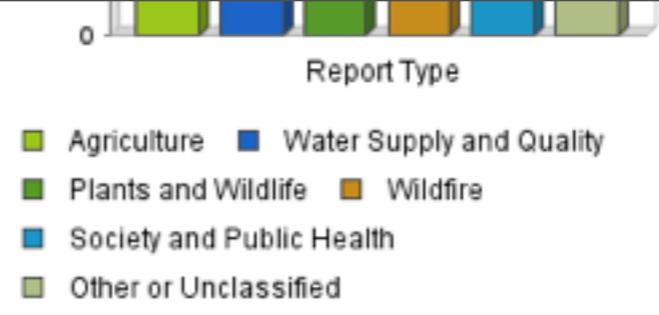
Soil Regime Summary

Soil Moisture Regime	Years	Frequency
ARIDIC	0	0%
XERIC	2	33%
USTIC	1	17%
PERUDIC	0	0%
UDIC	2	33%
UNDEFINED	1	17%



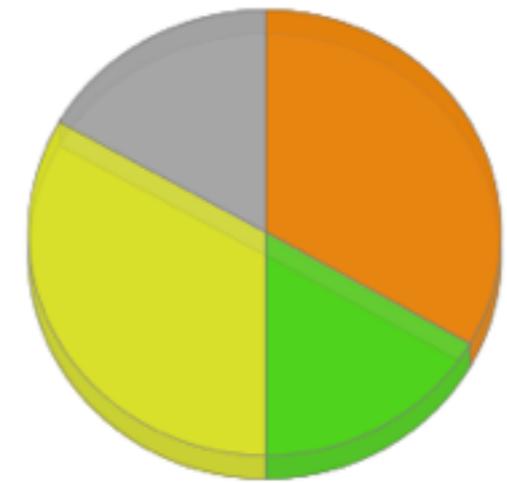


— GDD — GDD+SD — GDD-SD — Precipitation — Freeze Risk



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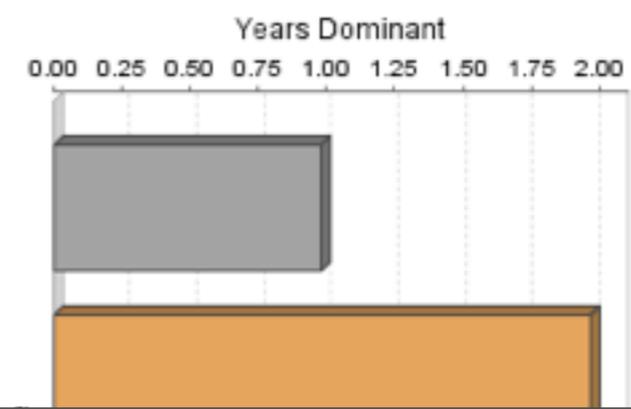
● ARIDIC ● XERIC ● USTIC
● PERUDIC ● UDIC ● UNDEFINED

Dates:		Time Frame		Precipitation	
Planting Date:	5/30	Total Days:	99	Emergence:	2.0088236
Emergence Date:	6/9	Relative Maturity Days:	120	Maturity:	7.4176483
Maturity Date:	9/6	Growing Degree Days:	2873		
Heat Units		Frost Free Days		Freeze Risk	
Emergence:	274	Start:	87	Spring:	0.0
Maturity:	2625	Finish:	327	Fall:	0.0

Newhall Simulation Model

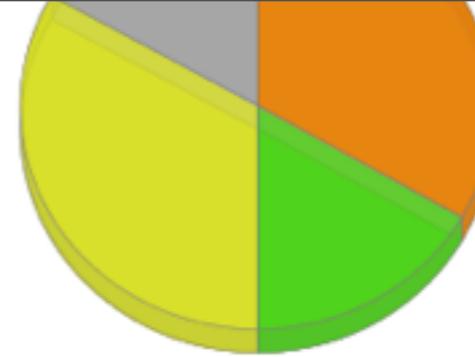
Year	PREC	PET	AWB	MSD	Dry Days	Medium Days	Moist Days	BIO8	Regime
2003	624	1,029	-406	-358	91	138	131	187	TYPIC_XERIC
2004	1,208	1,042	167	-27	0	33	327	360	DRY_TEMPUDIC
2005	482	1,079	-597	-449	191	30	139	162	TYPIC_XERIC
2006	756	1,131	-375	-512	93	71	196	179	XERIC_TEMPUSTIC
2007	1,271	1,079	193	-108	0	24	336	360	TYPIC_UDIC
2008	0	0	0	0	0	0	0	0	UNDEFINED
Averages	868	1,072	-204	-291	75	59	225	249	XERIC

Soil Regime Distribution



Dates:
 Planting Date: 5/30 Total Days: 99 Emergence: 2.0088236
 Emergence Date: 6/9 Relative Maturity Days: 120 Maturity: 7.4176483
 Maturity Date: 9/6 Growing Degree Days: 2873

Heat Units **Frost Free Days** **Freeze Risk**
 Emergence: 274 Start: 87 Spring: 0.0
 Maturity: 2625 Finish: 327 Fall: 0.0

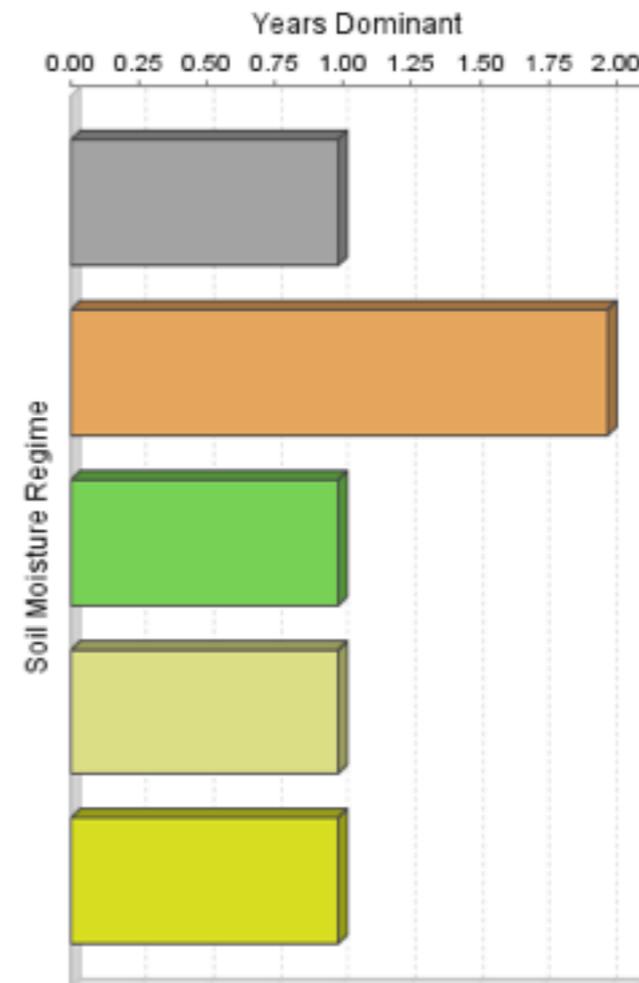


● ARIDIC ● XERIC ● USTIC
 ● PERUDIC ● UDIC ● UNDEFINED

Newhall Simulation Model

Year	PREC	PET	AWB	MSD	Dry Days	Medium Days	Moist Days	BIO8	Regime
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2006	756	1,131	-375	-512	93	71	196	179	XERIC_TEMPUSTIC
2007	1,271	1,079	193	-108	0	24	336	360	TYPIC_UDIC
2008	0	0	0	0	0	0	0	0	UNDEFINED
Averages	868	1,072	-204	-291	75	59	225	249	XERIC

Soil Regime Distribution



■ UNDEFINED ■ TYPIC XERIC
 ■ XERIC TEMPUSTIC ■ TYPIC UDIC
 ■ DRY TEMPUDIC

[Weather Stations](#) **Drought Impact Reports**

Search

[Query Builder](#)

Find drought reports by type, state, county, or keyword, examples:

Wildfire
North Dakota (or ND)
Phelps County Nebraska
Water restrictions

Drought Impact Report Results for query: Yolo County with 4 results on 1 pages.

[Drought Impact Reports](#) provided by The National Drought Mitigation Center.

See also: [Weather Stations](#)

1

A cattle rancher in Yolo County was forced to sell...

Category: **Agriculture**

Date of Impact: Aug 27, 2007

[View Original Reference](#)

A Yolo County producer attested that only one of t...

Category: **Water Supply and Quality**

Date of Impact: Aug 27, 2007

[View Original Reference](#)

Parts of California were declared to be natural di...

Category: **Other or Unclassified**

Dates of Impact: Oct 15, 2006 to May 09, 2007

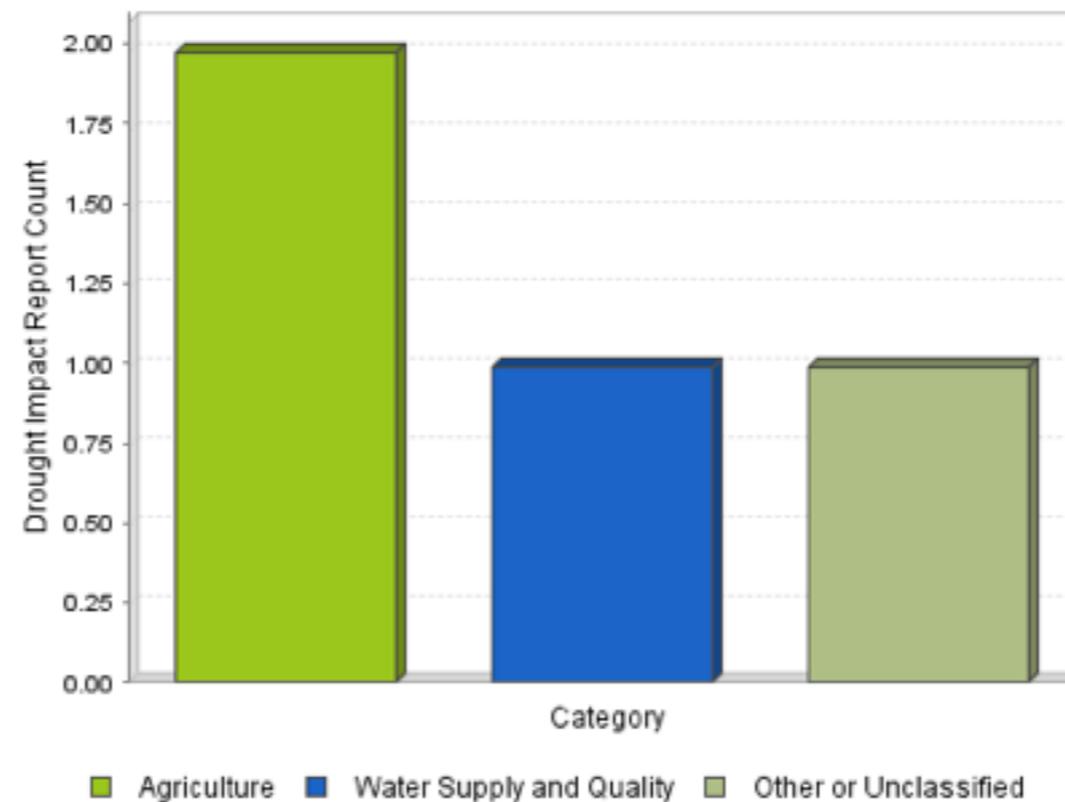
[View Original Reference](#)

Sustained drought conditions in California have fo...

Category: **Agriculture**

Date of Impact: Jan 06, 2000

Drought Impact Reports by Category



Drought Impact Reports by Category by Entry Date



Search

Drought Impact Report Results for query: Yolo Cou

Drought Impact Reports provided by The National Dri

See also: [Weather Stations](#)

1

A cattle rancher in Yolo County was forced to sel

Category: Agriculture

Date of Impact: Aug 27, 2007

[View Original Reference](#)

A Yolo County producer attested that only one of

Category: Water Supply and Quality

Date of Impact: Aug 27, 2007

[View Original Reference](#)

Parts of California were declared to be natural di...

Category: Other or Unclassified

Dates of Impact: Oct 15, 2006 to May 09, 2007

[View Original Reference](#)

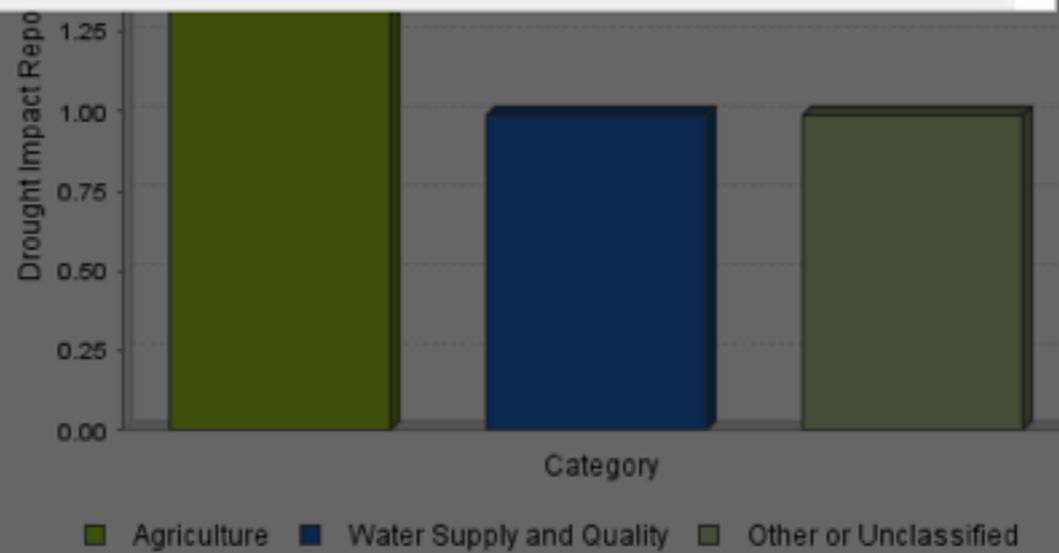
Sustained drought conditions in California have fo...

Category: Agriculture

Date of Impact: Jan 06, 2000

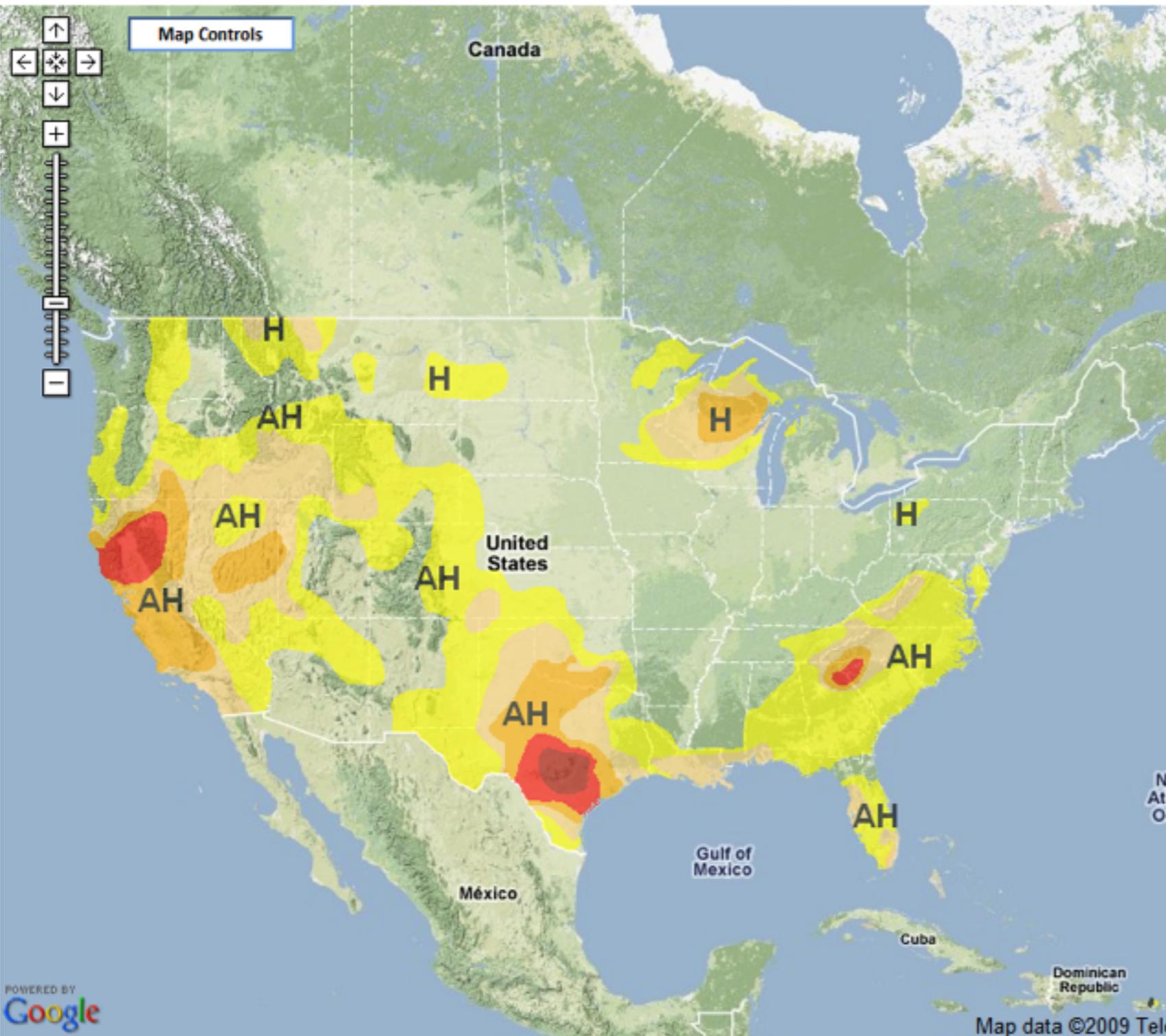
Close Dialog

Report Entry Date:	Jan 4, 2006	Full Text:	Sustained drought conditions in California have forced state ranchers and farmers to irrigate this January, an unusual move for the winter season. One Yolo County farmer reports that he recently irrigated winter wheat for the first time since 1976. The off-season irrigation means additional expense to the farmers and ranchers-- one rancher reports that the additional watering costs \$30 per acre (From the Sacramento Bee, 2000).
Effect Starting:	Jan 6, 2000		
Effect Ending:	Jan 6, 2000		
Loss Amount:	\$0.00		
Category:	Agriculture		
Affected Region(s)	California		



Drought Impact Reports by Category by Entry Date





Map Display

- No Overlay
- US Drought Monitor
- AHPS Precipitation Analysis

Map Opacity:

◀ [Slider] ▶

Map Setup

- Show Drought Impact Reports
- Show Weather Stations

Drought Impact Report Options ▾

◀ February, 2009 ▶

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

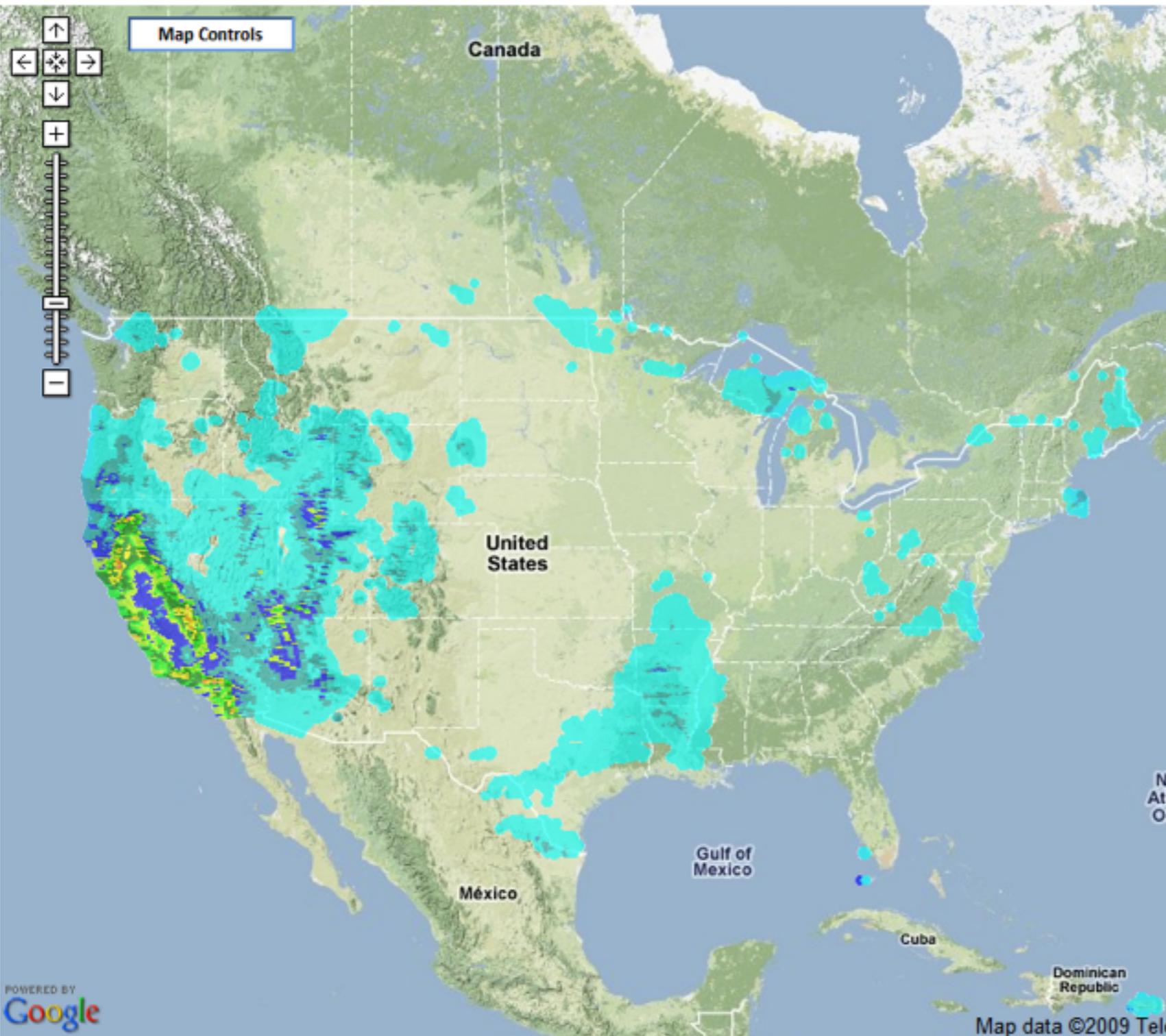
Map Legend

- D0 - Abnormally Dry
- D1 - Drought - Moderate
- D2 - Drought - Severe
- D3 - Drought - Extreme
- D4 - Drought - Exceptional

POWERED BY Google

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Feb 12, 2009 to Feb 18, 2009



Map Display

- No Overlay
- US Drought Monitor
- AHPS Precipitation Analysis

Map Opacity:

◀ [Slider] ▶

Map Setup

- Show Drought Impact Reports
- Show Weather Stations

Drought Impact Report Options ▾

◀ ◀ February, 2009 ▶ ▶

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

Map Legend

0.01 - 0.10	2.5 - 3.0
0.10 - 0.25	3.0 - 4.0
0.25 - 0.50	4.0 - 5.0
0.50 - 0.75	5.0 - 6.0
0.75 - 1.0	6.0 - 8.0
1.0 - 1.5	8.0 - 10.0
1.5 - 2.0	> 10.0
2.0 - 2.5	Inches

POWERED BY

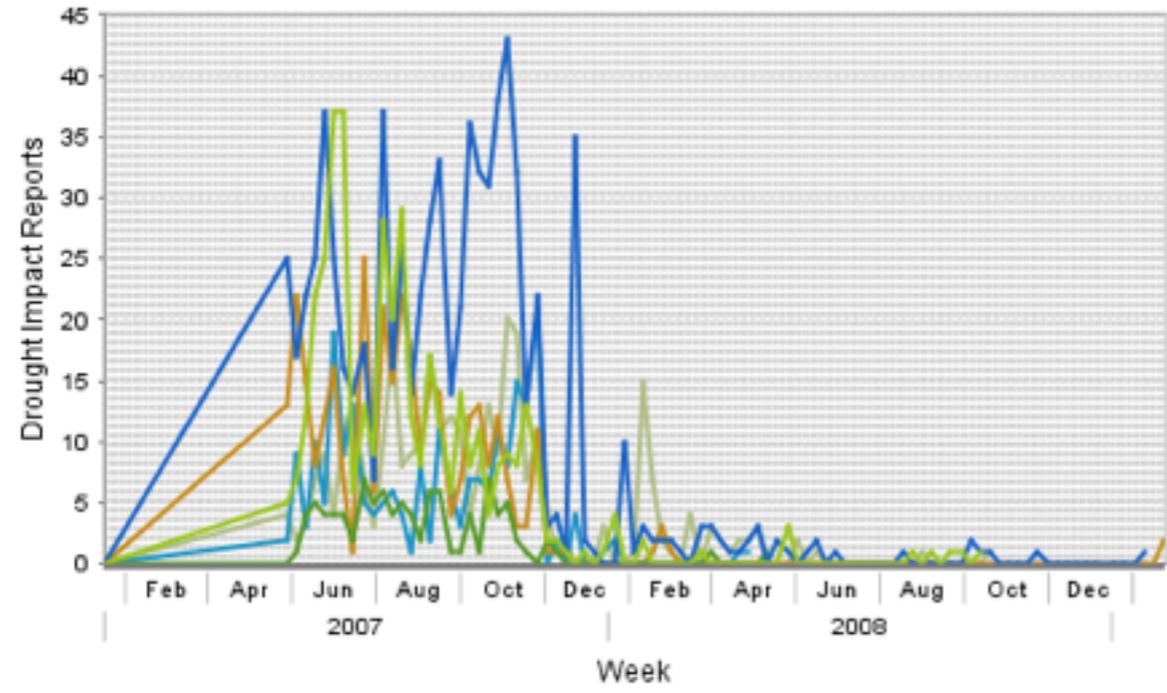
Feb 18, 2009

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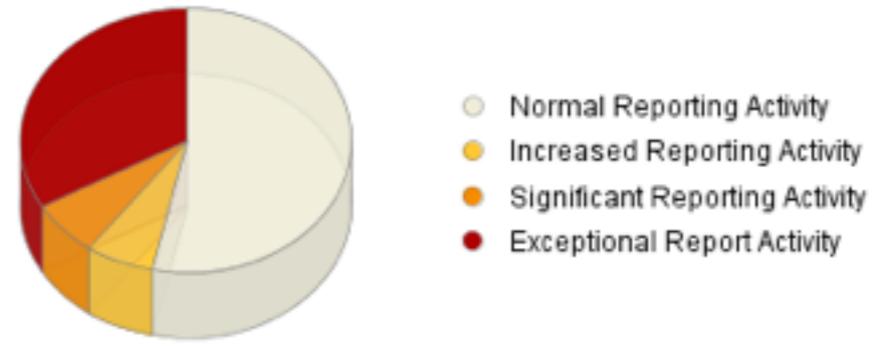


Nov 14, 2007

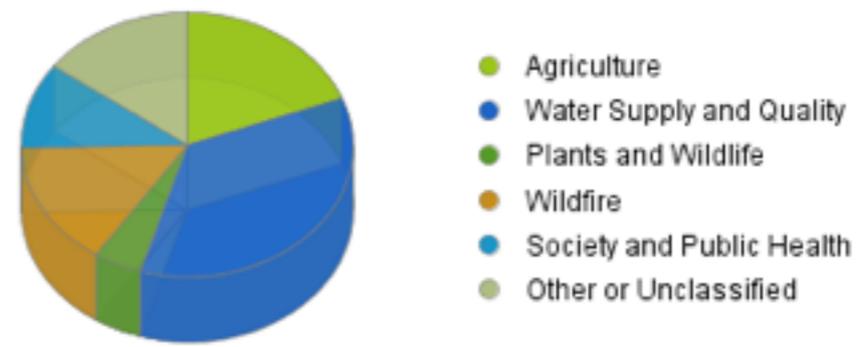
Drought Impact Reports by Category by Entry Date



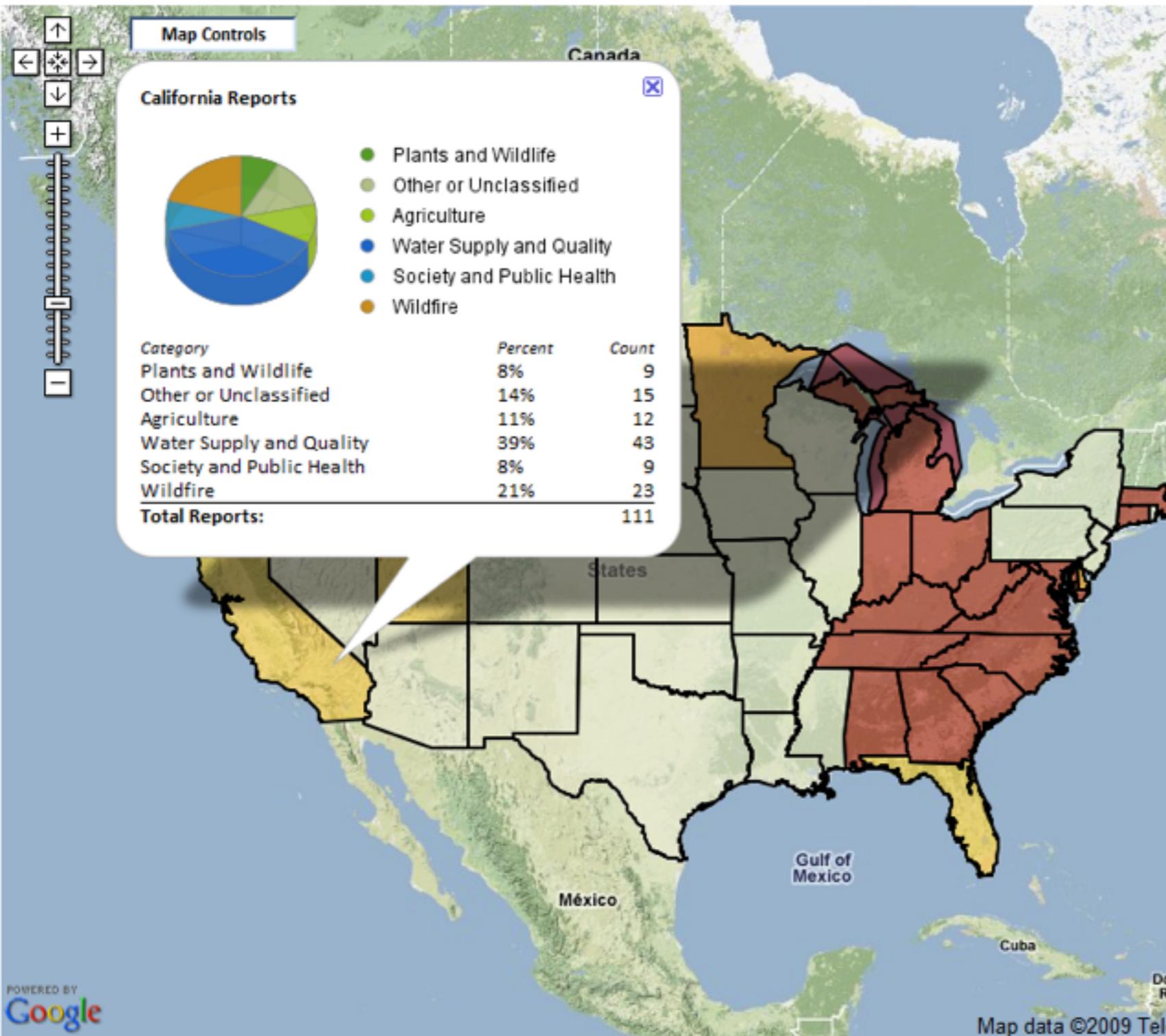
Drought Impact Reports - Relative Reporting Frequency



Drought Impact Reports - Reported Sectors



Category	Percent	Count
Agriculture	19%	410
Water Supply and Quality	36%	760
Plants and Wildlife	5%	100
Wildfire	15%	328
Society and Public Health	10%	224
Other or Unclassified	15%	318
Total Reports:		2140



California Reports

- Plants and Wildlife
- Other or Unclassified
- Agriculture
- Water Supply and Quality
- Society and Public Health
- Wildfire

Category	Percent	Count
Plants and Wildlife	8%	9
Other or Unclassified	14%	15
Agriculture	11%	12
Water Supply and Quality	39%	43
Society and Public Health	8%	9
Wildfire	21%	23
Total Reports:		111

Map Display: Map Satellite Terrain

No Overlay
 US Drought Monitor
 AHPs Precipitation Analysis

Map Opacity:

Map Setup

Show Drought Impact Reports
 Show Weather Stations

Drought Impact Report Options ▾

November, 2007						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Map Legend

North Atlantic Ocean

Gulf of Mexico

México

Cuba

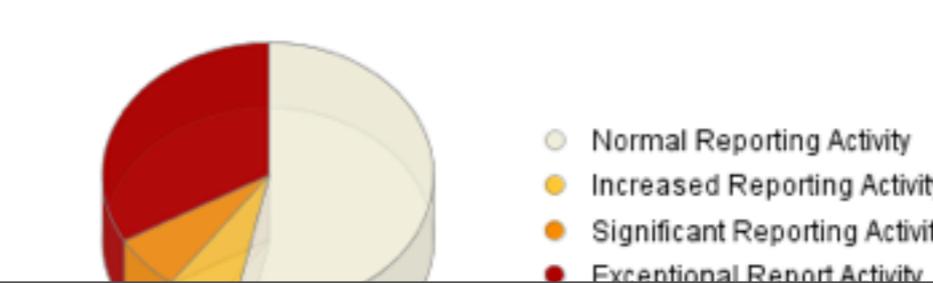
Map data ©2009 Tele Atlas, LeadDog Consulting - Terms of Use

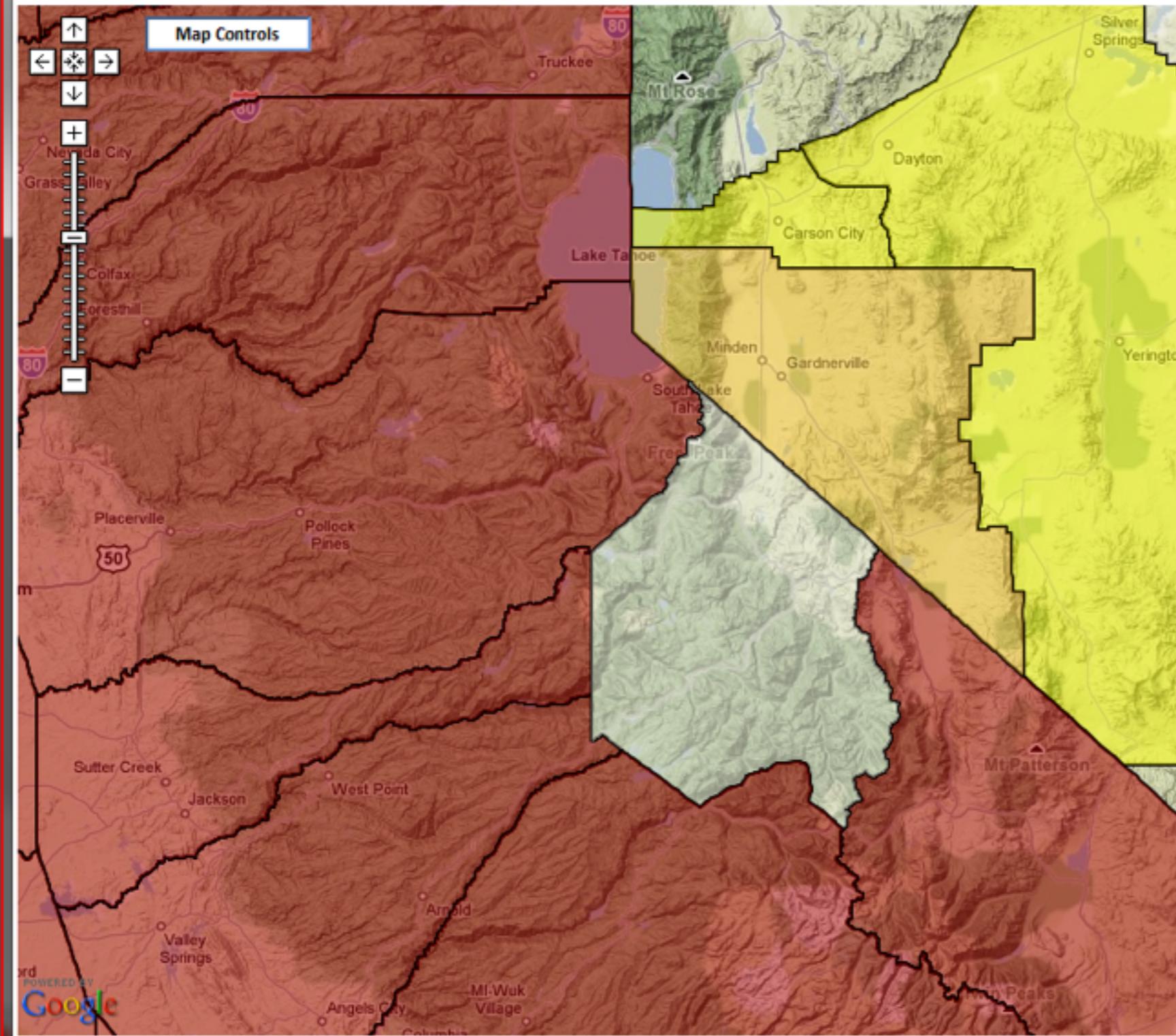
Nov 14, 2007

Drought Impact Reports by Category by Entry Date



Drought Impact Reports - Relative Reporting Frequency





Map Display Map Satellite Terrain

- No Overlay
- US Drought Monitor
- AHPS Precipitation Analysis

Map Opacity:

Map Setup

- Show Drought Impact Reports
- Show Weather Stations

Drought Impact Report Options ▾

Report Interval: Six months ▾
 Aug 18, 2008 to Feb 18, 2009

Use category markers

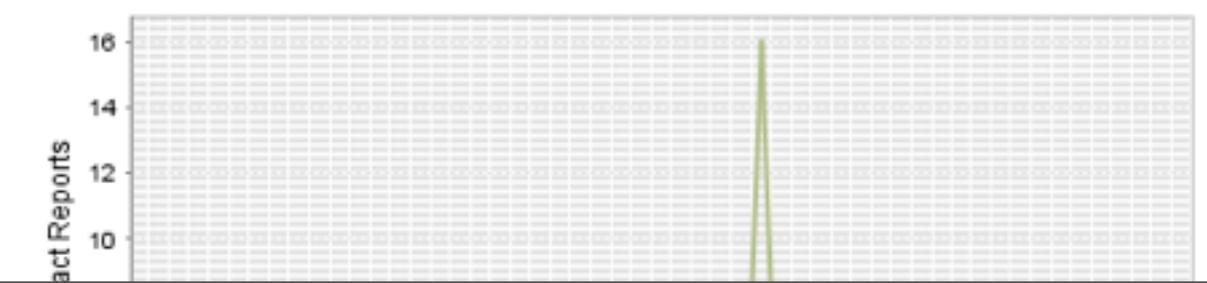
15	16	17	18	19	20	21
22	23	24	25	26	27	28

Map Legend

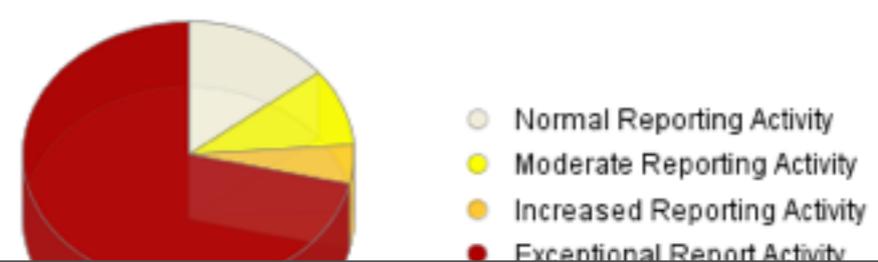
Map data ©2009 Tele Atlas - Terms of Use

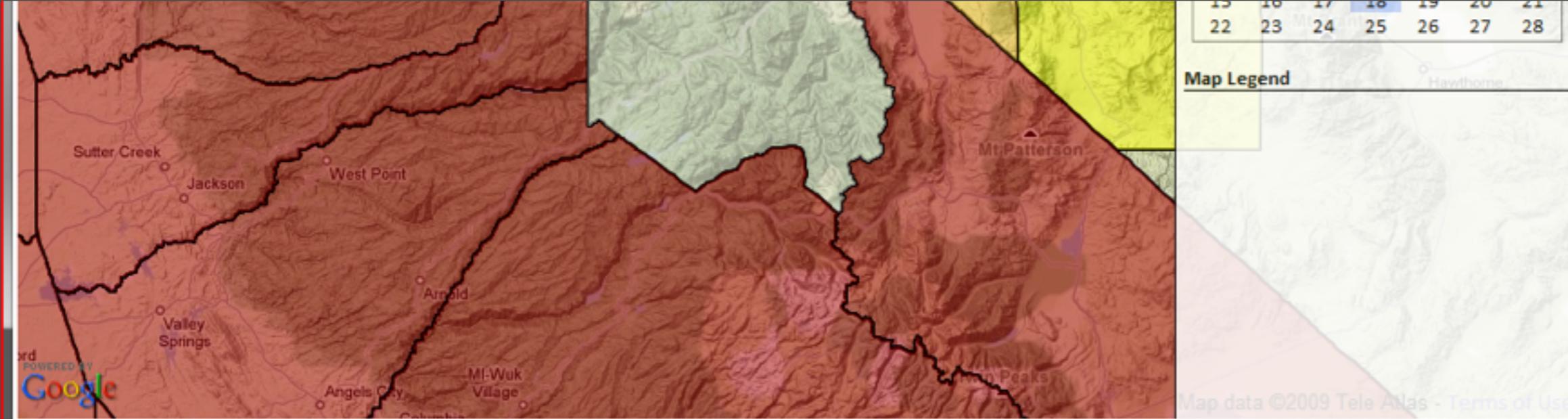
Feb 18, 2009

Drought Impact Reports by Category by Entry Date



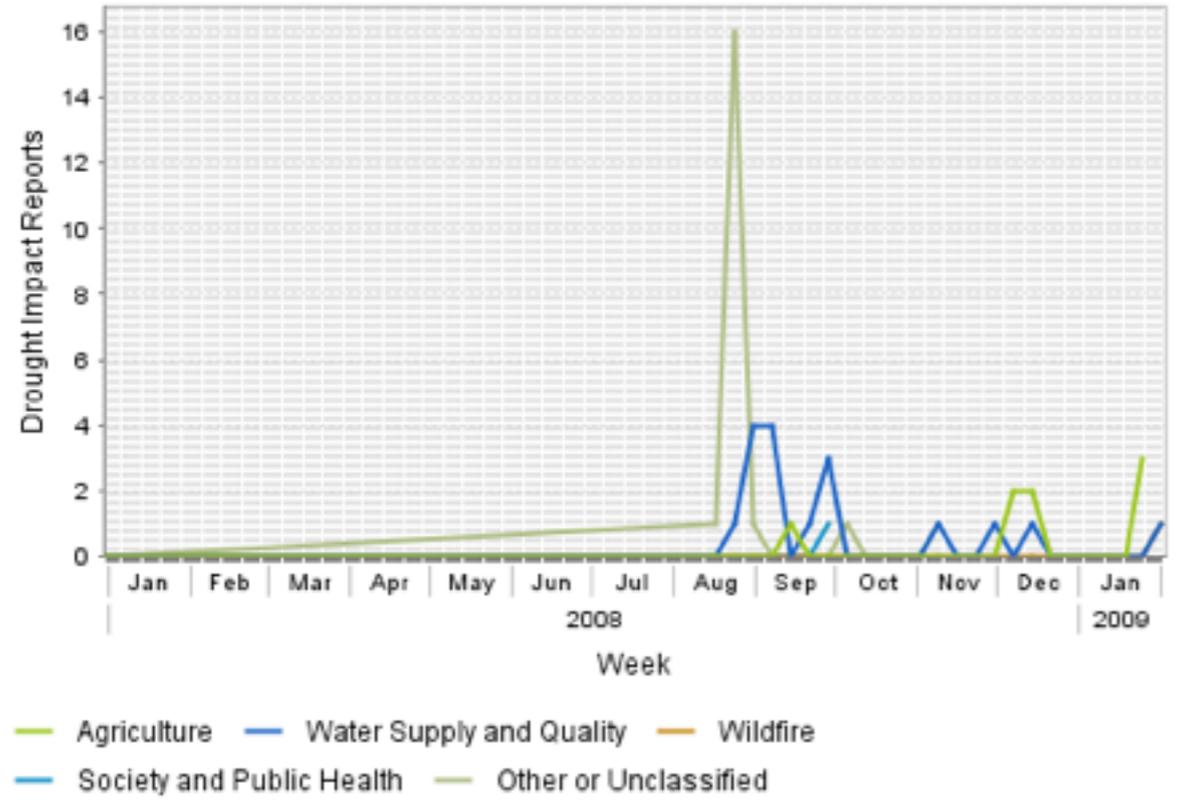
Drought Impact Reports - Relative Reporting Frequency



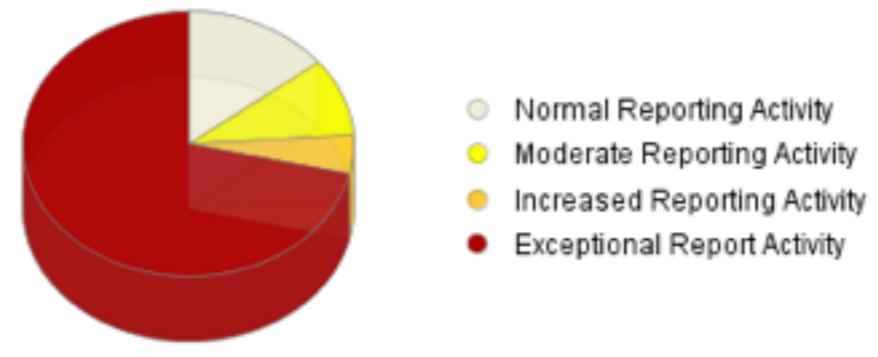


Feb 18, 2009

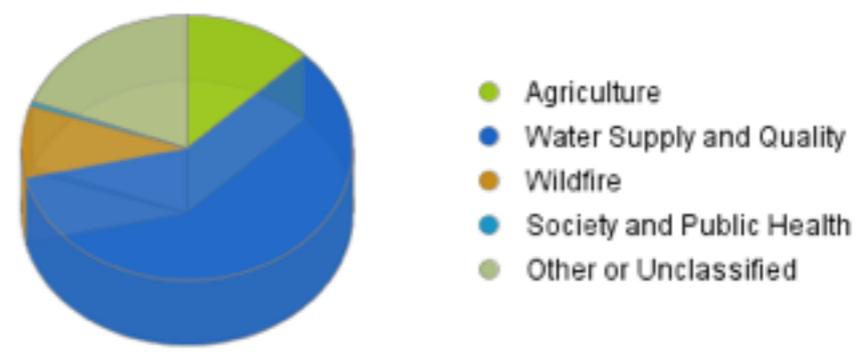
Drought Impact Reports by Category by Entry Date



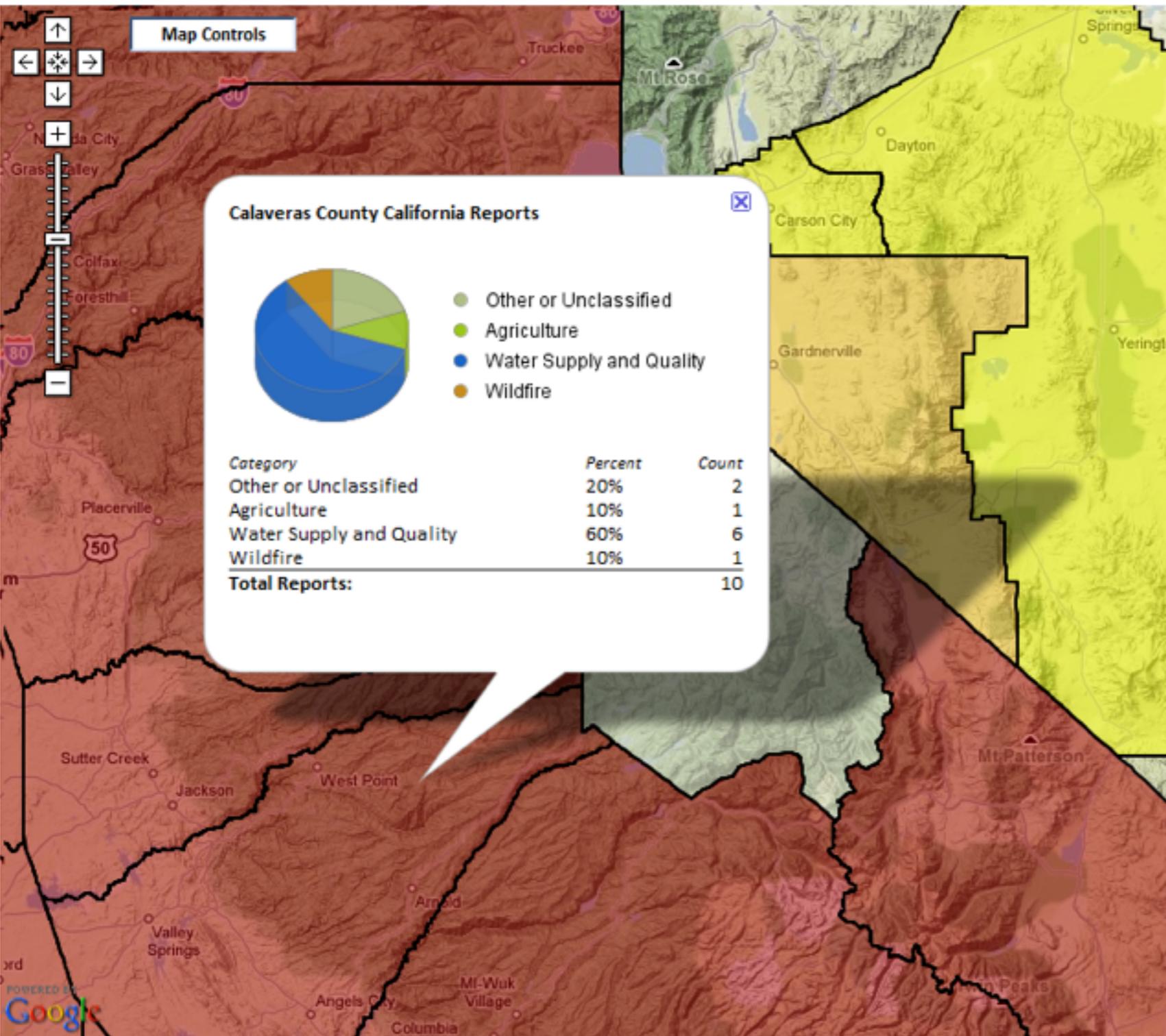
Drought Impact Reports - Relative Reporting Frequency



Drought Impact Reports - Reported Sectors



Category	Percent	Count
Agriculture	13%	23
Water Supply and Quality	59%	107
Wildfire	9%	16
Society and Public Health	1%	1
Other or Unclassified	19%	35
Total Reports:		182



Map Display | Map | Satellite | Terrain

- No Overlay
- US Drought Monitor
- AHPS Precipitation Analysis

Map Opacity:

Map Setup

- Show Drought Impact Reports
- Show Weather Stations

Drought Impact Report Options ▾

February, 2009

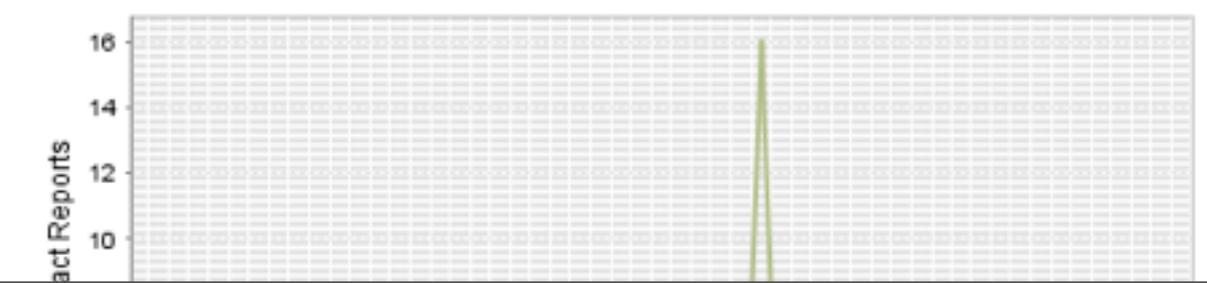
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

Map Legend

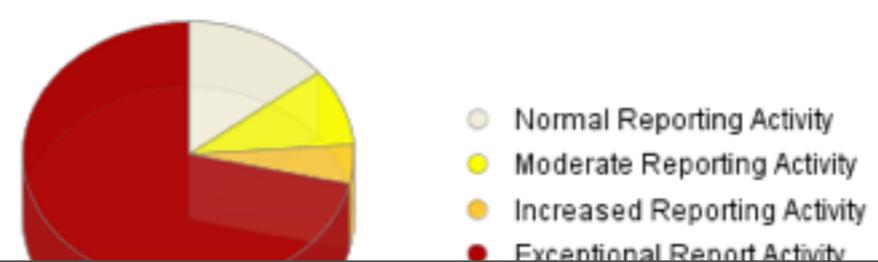
Map data ©2009 Tele Atlas - Terms of Use

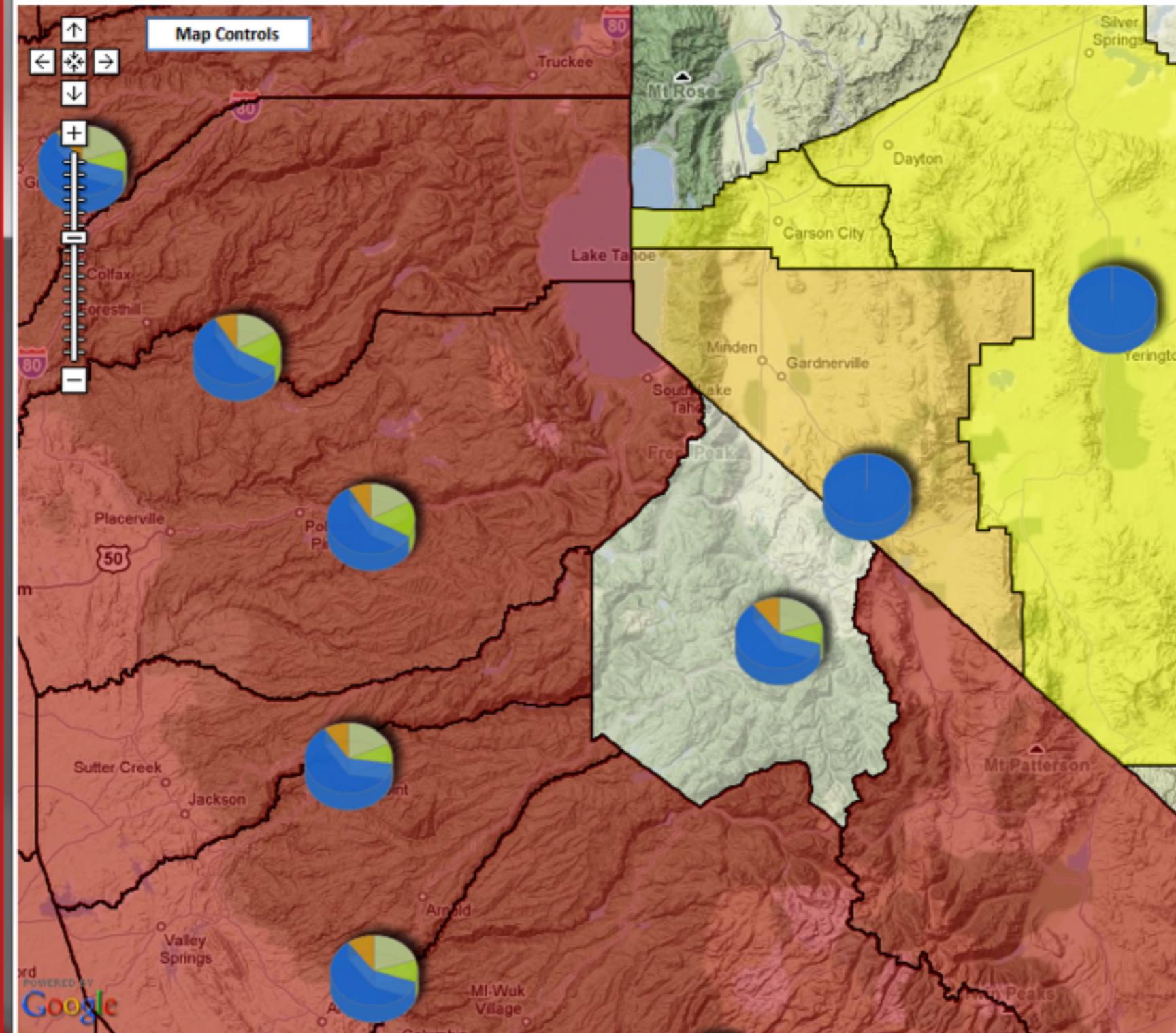
Feb 18, 2009

Drought Impact Reports by Category by Entry Date



Drought Impact Reports - Relative Reporting Frequency





Map Display Map Satellite Terrain

- No Overlay
- US Drought Monitor
- AHPs Precipitation Analysis

Map Opacity:

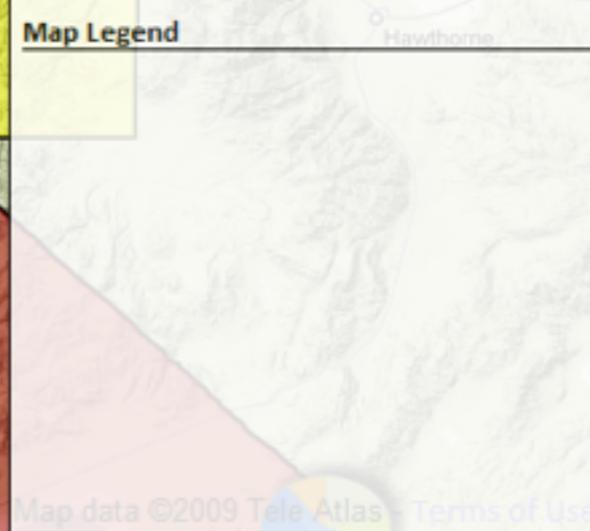
Map Setup

- Show Drought Impact Reports
- Show Weather Stations

Drought Impact Report Options ▾

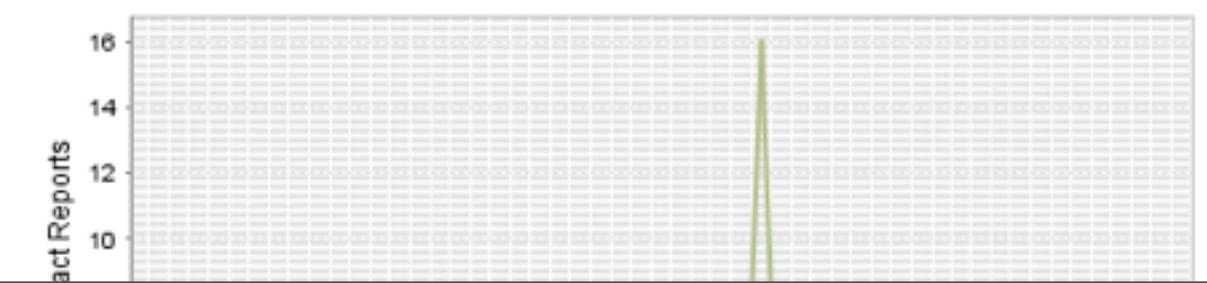
◀ ◀ February, 2009 ▶ ▶

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

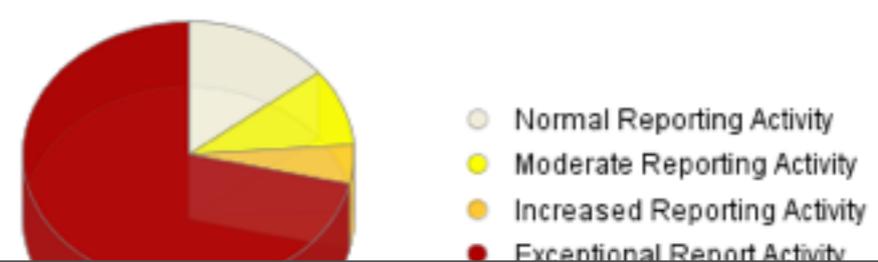


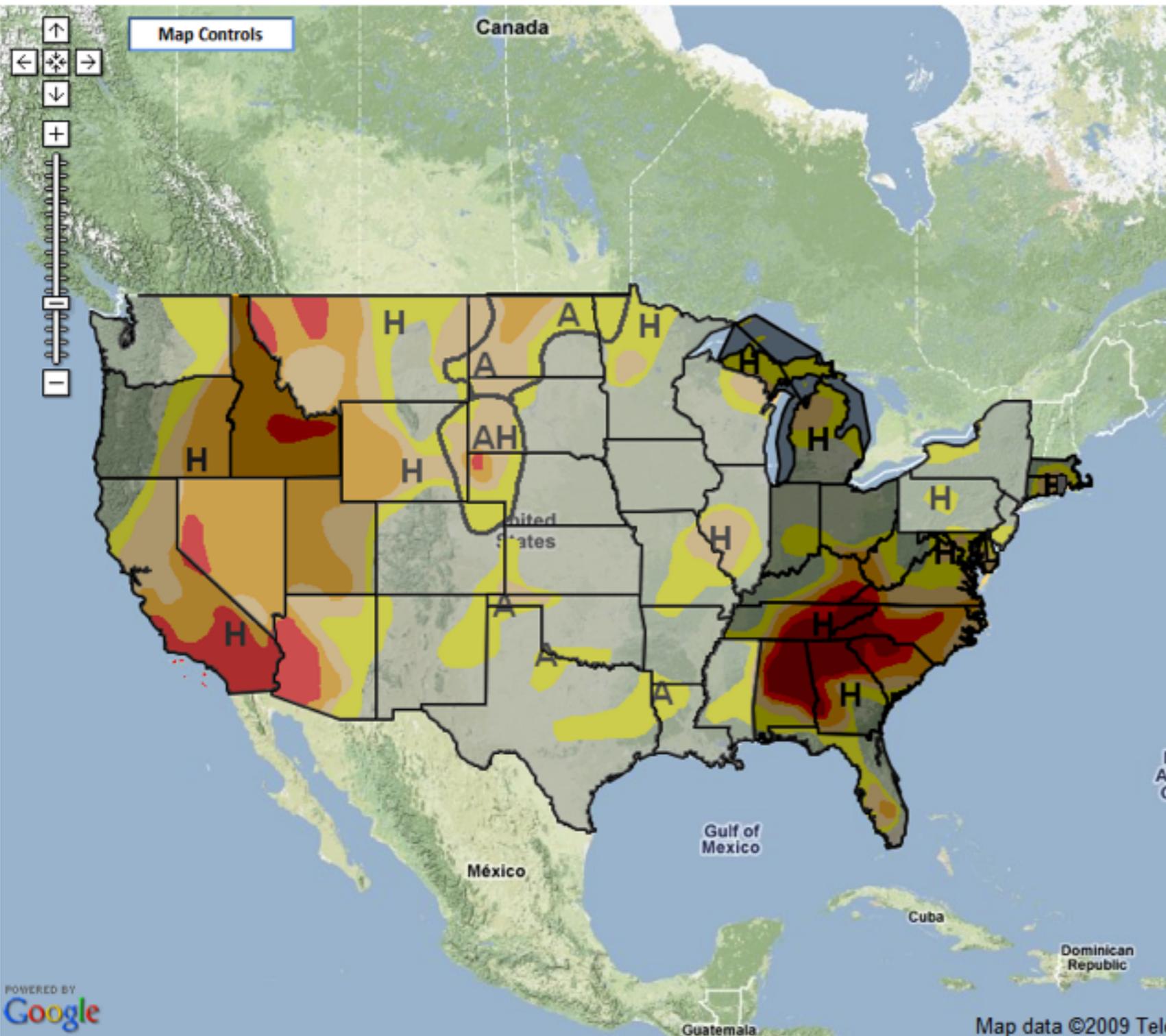
Feb 18, 2009

Drought Impact Reports by Category by Entry Date



Drought Impact Reports - Relative Reporting Frequency





Map Display

- No Overlay
- US Drought Monitor
- AHPs Precipitation Analysis

Map Opacity:

◀ ▶

Map Setup

- Show Drought Impact Reports
- Show Weather Stations

Drought Impact Report Options ▼

◀ ◀ November, 2007 ▶ ▶

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Map Legend

- D0 - Abnormally Dry
- D1 - Drought - Moderate
- D2 - Drought - Severe
- D3 - Drought - Extreme
- D4 - Drought - Exceptional

Nov 8, 2007 to Nov 14, 2007

Drought Impact Reports by Category by Entry Date



Drought Impact Reports - Relative Reporting Frequency



Create a Data Request

The following form is used to create a data request. Fill out the date range, the desired variable types and additional properties to be taken to the station selection page. These values will be used to gather data from the selected stations and create the requested data report.



Report Date Range

Starting:

February, 2009						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

Ending:

February, 2009						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

Request Period:

Common Periods:

- [Current 30-year Period](#)
- [1982 - Present](#)
- [1948 - Present](#)
- [1970 - 2000](#)
- [1960 - 1990](#)
- [1950 - 1980](#)
- [1893 - Present](#)



Data Set Options

Climate Data

- Average High Temperature
- Average Low Temperature
- Average Temperature
- Total Precipitation
- Base 32 Heat Units
- Base 40 Heat Units
- Base 50 Heat Units
- Percent Normal Precipitation
- Percent Normal Temperature
- Annual Frost Free Period

Weather Station Metadata

- Station Name
- Station ID (NWS COOP)
- County
- State
- Climate Division
- Elevation
- Latitude
- Longitude
- Start of Record
- End of Record

Drought Data

- 2-week Standardized Precipitation Index
- 4-week Standardized Precipitation Index
- 8-week Standardized Precipitation Index
- 12-week Standardized Precipitation Index
- 26-week Standardized Precipitation Index
- 52-week Standardized Precipitation Index
- 2-week Self-Calibrating Palmer Drought Severity Index
- 4-week Self-Calibrating Palmer Drought Severity Index
- 13-week Self-Calibrating Palmer Drought Severity Index



Additional Options

- Include Data Flags
- Use Metric Units
- Include 30-year Climate Averages

Looking Forward

- Version 2.0 is nearing completion and will be released in early 2010.
- Code name Mozart: an evolution of our current tools and our final major release for this partnership.
- Integration of the Drought Monitor data set in more tools:
 - Drought Impact Reports now include Drought Monitor classifications dynamically computed across impacted regions,
 - Revamped homepage showcasing computed risk based on climate data, drought impact reports and drought monitor.
- Mobile device functionality: “The GreenLeaf Project, yeah, there’s an app for that.”
- Framework enhancements, new interface, and updated charting and mapping components.



The GreenLeaf Project

<http://greenleaf.unl.edu>