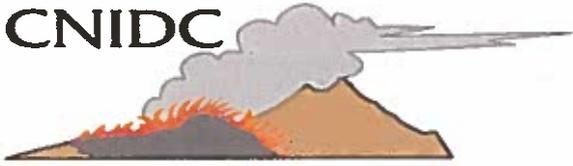


CNIDC



# Central Nevada Interagency Dispatch Center 2018 Annual Report



MM 155 on July 16, 2017

Photo from AA-2QM

**CENTRAL NEVADA INTERAGENCY  
DISPATCH CENTER  
2018 ANNUAL REPORT**

This report provides documentation of the 2018 fire season on public lands in the Central Nevada Interagency Dispatch Center area, administered by the Winnemucca and Battle Mountain Districts of the Bureau of Land Management, and the Santa Rosa and Austin-Tonopah Ranger Districts of the Humboldt-Toiyabe National Forest.

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## Central Nevada Interagency Dispatch Center Summary

The Central Nevada Interagency Dispatch Center (CNIDC) encompasses the Battle Mountain and Winnemucca Districts of the Bureau of Land Management (BLM), the Santa Rosa, and Austin-Tonopah Ranger Districts of the Humboldt-Toiyabe National Forest (USFS), the Bureau of Indian Affairs (BIA), Nevada Department of Forestry (NDF) and several counties, for over 29 million combined acres in the state of Nevada.

For 2018, CNIDC had a staff of 11 employees, 7 permanent/career-seasonals, and 4 seasonals. We had 5 vacant positions during the fire season, which were the 2 assistant center managers, 1 career-seasonal and 2 temp seasonal positions. The full staff of CNIDC is 1 center manager, 2 assistant center managers, 2 permanent, 5 career-seasonals, and 5 seasonals, for a total of 15 positions. This year CNIDC scheduled a night shift, which allowed employees to know when they would be working nights and gave the on-call dispatch a break during the fire season. This plan worked very well. While having day and night shift allowed employees to deal with a busy fire season, this schedule did put stress on the capabilities of staff since we did not have enough qualified individuals. Due to the lack of qualified staff and the busy fire season, we had detailers come in from across the country to help us out. Even with a busy fire season, we were able to send a couple of employees on off-district fire assignments. We were able to complete and work on multiple taskbooks for dispatch qualifications during the year.



## 2018 Fire Statistics Summary

CNIDC had 153 fires for 249,263.15 acres, total. The number of fires and acres were both above the 5 year and 10 year average. The table below shows the breakdown of fires and acres by fire ownership.

Fire and Acre Averages - 2018, 5 Year, and 10 Year (by ownership)				
		2018	5 Year Average	10 Year Average
<b>Battle Mountain District</b>	Fires	27	21	23
	Acres	4,440.77	2,806.54	7,928.59
<b>Winnemucca District</b>	Fires	59	54	36
	Acres	217,602.95	37,523.33	57,066.61
<b>Santa Rosa Ranger District</b>	Fires	0	3	2
	Acres	3,185.76	841.60	1,413.02
<b>Austin-Tonopah Ranger District</b>	Fires	14	5	5
	Acres	1310.19	1,150.58	1,205.51
<b>Western Nevada Agency - BIA</b>	Fires	5	1	2
	Acres	326.03	1,493.44	753.28
<b>Nevada Division of Forestry - State</b>	Fires	1	0	0
	Acres	11.32	0.00	0.01
<b>WID Private</b>	Fires	44	27	24
	Acres	20,149.53	22,178.11	18,527.64
<b>BMD Private</b>	Fires	3	10	7
	Acres	2,236.60	328.34	394.22
<b>CNIDC Totals</b>	Fires	<b>153</b>	<b>117</b>	<b>109</b>
	Acres	<b>249,263.15</b>	<b>66,321.93</b>	<b>87,288.87</b>

*\*Note: Ownership means who owned the land where the fire started at the point of origin. The number fires and acres data for 2018 is from IA cards and WildCAD. The average data is from DOI WFMI 1202 fire reporting system, USFS FireSTAT fire reporting system, and CNIDC fire number spreadsheets. The 5 year and 10 years averages do not include the current year's data.*

The following table shows the breakdown of private fires by county.

County	Lighting	Lightning acres	Human	Human acres
Churchill	0	0.00	0	0.00
Esmeralda	0	0.00	0	0.00
Eureka	1	1.64	0	0.00
Humboldt	5	3,333.74	24	15,247.71
Lander	0	1,711.78	2	523.18
Nye	0	0.00	0	0.00
Pershing	0	190.67	15	1,377.41
Washoe	0	0.00	0	0.00
<b>Total</b>	<b>6</b>	<b>5,237.83</b>	<b>41</b>	<b>17,148.30</b>

The following table shows the breakdown of fires by cause and ownership.

**2018 Fires by Fire Cause and Ownership**

Fire Cause	BMD	WID	USFS	BIA	State	Private - WID	Private - BMD	Total
Lightning	21	22	10	0	0	5	1	59
Human	6	37	4	5	1	39	2	94
Equipment Use	3	28	1	3	1	24	2	62
Smoking	0	0	0	0	0	0	0	0
Campfire	0	3	1	1	0	0	0	5
Debris Burning	0	0	0	1	0	3	0	4
Railroad	0	1	0	0	0	1	0	2
Arson	0	2	0	0	0	6	0	8
Children	0	0	0	0	0	0	0	0
Miscellaneous	3	3	2	0	0	5	0	13
<b>Total</b>	<b>27</b>	<b>59</b>	<b>14</b>	<b>5</b>	<b>1</b>	<b>44</b>	<b>3</b>	<b>153</b>

## Large Fires

In 2018, CNIDC had 24 large fires in contrast to 2017, which had 34 large fire. A Type 2 team managed the following fire: Martin. A Type 3 team managed the following fire: Gregg. Local Type 3 Incident Commanders managed the rest.

Local Large Fire Activity*				
Fire Name	Acres	Jurisdiction	Date	Cause
Jungo	519.43	HUMX	1/24/2018	Human
Chimney	1,136.99	HUMX	3/8/2018	Human
Power	1,086.16	BMD	6/23/2018	Human
Rocky	1,617.06	PERX	6/23/2018	Human
Martin	416,821.13	HUMX, WID, EKD	7/5/2018	Human
Sage	175.00	HTFA	7/15/2018	Human
Broad	543.00	HTFA	7/17/2018	Lightning
Stall Dam	392.54	WID	7/20/2018	Human
Summit	128.06	BMD	7/21/2018	Lightning
Crum	2,878.00	BMD	7/21/2018	Lightning
Copper	715.53	BMD	7/21/2018	Lightning
Sweeney	393.92	WID	7/22/2018	Lightning
Kumiva	3,757.89	WID	7/23/2018	Lightning
Brooks	361.12	WID	7/24/2018	Lightning
Antelope	2,322.00	WID	7/24/2018	Lightning
Francis	1,274.79	BMD	7/24/2018	Lightning
Gregg	10,131.60	WID	7/24/2018	Lightning
Round Hill	957.56	WID	7/24/2018	Lightning
Dry Creek	434.10	BMD	7/25/2018	Lightning
Telegraph	318.00	HTFA	7/25/2018	Lightning
Willow	317.25	PERX	8/6/2018	Human
Rye Patch	378.09	PERX	9/29/2018	Human
Cow Canyon	158.71	PERX	10/31/2018	Human
Howard	125.00	HTFA	11/8/2018	Human

\*Note: Large fires are defined as >100 acres in timber and >300 acres in grass/sage.

The following table shows in what months the above large fires happened.

	<b># of Large fires</b>
<b>January</b>	1
<b>February</b>	0
<b>March</b>	1
<b>April</b>	0
<b>May</b>	0
<b>June</b>	2
<b>July</b>	16
<b>August</b>	1
<b>September</b>	1
<b>October</b>	1
<b>November</b>	1
<b>December</b>	0
<b>Total</b>	24

### **Prescribed Fire Accomplishments**

Battle Mountain District conducted 3 prescribed fires in February & March of 2018 for 83 acres. Winnemucca District, Santa Rosa Ranger District, and Austin-Tonopah Ranger District did not conduct any prescribed fire projects in 2018.

## Tactical Equipment for 2018

CNIDC had 39 pieces of tactical equipment available for local and non-local incidents in 2018. Thirty-one pieces were agency owned equipment and 9 pieces were tactical contract equipment. The table below shows the breakdown by unit and equipment type.

2018 Tactical Equipment Available for Assignment		
Unit/Agency	Equipment Type	Amount
Winnemucca BLM	Engine T-3	5
	Engine T-4	7
	Engine T-6	1
	Dozer T-2	3
	Water Tender T-2	2
Austin- Tonopah	Engine T-6	1
	PT T-7	1
Battle Mountain BLM	Engine T-4	4
	Engine T-6	2
	Dozer T-2	1
	Water Tender T-2	1
NDF	Engine T-6	0
Contract Equipment (All)	Engine T-3/T-4	2
	Engine T-5	1
	Engine T-6	5
	Dozer T-1	0
	Dozer T-2	2
	Water Tender Support T-2	3
	Water Tender Tactical T-2	1

## WildCAD Incident Summary

WildCAD is the dispatch program CNIDC uses to document incidents and communications that happen in the center. The number of incidents and type of incidents show the overall workload of the center. While wildland fire dispatching is one of many roles of CNIDC, our other role is dealing with MLR individuals going out into the field and events they hold.

Outside of the tactical aircraft CNIDC dealt with during the fire season, there were also project flights. Most of the project flights are dealing with wild horse and burro surveys.

2018 CNIDC Incident Type	Number
A/C Down	1
Law Enforcement	3
Public Assist	0
Employee SAR	23
Medical	9
Prescribe Fire	4
Traffic Collision Assist	2
False Alarm	79
CNIDC Wildfire	153
Wildfire Support to Other Districts	18
Miscellaneous	29
Flight – Misc.	2
Flight - Repeater	2
Flight - WH&B	11
MLR Events	2
Suppression Rehab	50
Project Work	0
Radio Problem	0
Aircraft Flight Following	12
<b>Total number of incidents</b>	<b>400</b>

*\*Traffic Collision Assist – Firefighters coming upon traffic collision and assisting until help arrived.*

## CNIDC Logistics Summary

CNIDC had a busy year in the logistics function. The expanded dispatch was open from July 5 to September 15.

CNIDC dealt with 176 local incidents and 217 non-local incidents in Resource Ordering and Status System (ROSS). Comparing these numbers to 2017, which were 184 local incidents and 281 non-local incidents, CNIDC dealt with fewer incidents in 2018 than in 2017.

The following table shows the break down from ROSS of orders created and processed by CNIDC in 2018. The "orders entered" are orders that were created by CNIDC in ROSS. The total at the bottom, is total number of orders created in 2018 by CNIDC. The rest of the columns show what CNIDC has processed and filled or placed to other centers.

<b>2018 ROSS Orders Created &amp; Processed by CNIDC</b>					
	<b>Orders Entered</b>	<b>Orders placed to other centers</b>	<b>Filled orders by CNIDC</b>	<b>Cancelled &amp; Cancelled UTF</b>	<b>UTF'd</b>
<b>Aircraft</b>	434	222	411	74	7
<b>Crews</b>	145	99	108	39	5
<b>Equipment</b>	1,358	400	1,222	104	64
<b>Overhead</b>	4,574	721	4,135	289	94
<b>Supplies</b>	1,976	639	1,292	94	0
<b>Total</b>	<b>8,487</b>	<b>2,081</b>	<b>7,168</b>	<b>600</b>	<b>170</b>

## 2018 Fire Season Weather Summary

2018 started out with a dry January and February, which meant continuation of fires in the CNIDC area. The year started very dry; and then received high amounts of precipitation between March and May. However, this high precipitation did not put end to fires in the early season for CNIDC area. Even though the snowpack for Nevada by May had median of 18-64%<sup>1</sup>, we had another year of abundance of fine fuel.

During the fire season (May to Oct), the Great Basin High Pressure system stayed over the CNIDC zone for most of the period, which lead to more human causes than normal. However, the south half of the CNIDC zone did receive more precipitation than the northern half, which did more lightning fires on Battle Mountain BLM district and Austin-Tonopah Ranger District. Fires were still occurring through the month of October, which is normally the end of the fire season.

The fall of 2018 started out dry and warm but had couple of weather fronts move through which, lead to the slowing down of fires. Around Thanksgiving, a series of winter storms events occurred in CNIDC zone, and viewed as the season ending event for the 2018 fire season. This weather path of storms moving through the CNIDC zone every 4 to 7 days continued through the end of year.

The table below gives a breakdown of the monthly totals of all CNIDC RAWS and compares those totals to 2017 totals and the 5-year average.

<b>Month totals of All CNIDC RAWS Precipitation (inches)</b>			
	<b>2018</b>	<b>2017</b>	<b>5yr avg. (2013- 2017)</b>
<b>January</b>	10.73	25.66	12.21
<b>February</b>	3.39	16.55	9.63
<b>March</b>	20.17	11.45	9.58
<b>April</b>	19.44	18.92	12.58
<b>May</b>	29.33	9.14	17.39
<b>June</b>	3.45	12.25	6.58
<b>July</b>	8.26	6.41	9.40
<b>August</b>	1.72	5.35	5.89
<b>September</b>	0.60	12.51	11.88
<b>October</b>	12.00	2.77	11.97
<b>November</b>	9.74	12.64	8.62
<b>December</b>	12.82	1.07	12.49

<sup>1</sup> USDA – Western Snowpack and Water Supply Conditions – May 2018, May 11, 2018.  
<https://www.wcc.nrcs.usda.gov/ftpref/downloads/wsf/201805wsfwww.pdf>

A similar pattern as above appears when looking at precipitation by Fire Danger Rating Areas.

<b>Month totals of Quinn FDRA Precipitation (inches)</b>			
	<b>2018</b>	<b>2017</b>	<b>5yr avg. (2013-2017)</b>
<b>January</b>	3.43	8.62	4.08
<b>February</b>	0.49	6.00	3.30
<b>March</b>	7.69	3.70	3.94
<b>April</b>	7.10	7.94	3.90
<b>May</b>	9.62	3.76	6.73
<b>June</b>	2.67	4.99	2.56
<b>July</b>	0.18	0.43	2.95
<b>August</b>	0.11	1.42	1.50
<b>September</b>	0.00	1.35	2.77
<b>October</b>	2.51	0.66	4.39
<b>November</b>	3.75	6.36	3.39
<b>December</b>	3.56	0.32	6.10

Quinn FDRA includes Dry Canyon, Morey Creek, Double H, Texas Springs, Majuba, and Fox Mountain RAWS. The following table shows the monthly totals for those RAWS with 5-year average.

The Humboldt FDRA includes Blue Wing, Siard, and Beacon Light RAWS. The following table shows the monthly totals for those RAWS with 5-year average.

<b>Month totals of Humboldt FDRA Precipitation (inches)</b>			
	<b>2018</b>	<b>2017</b>	<b>5yr avg. (2013-2017)</b>
<b>January</b>	3.30	9.33	4.01
<b>February</b>	1.14	4.64	2.96
<b>March</b>	5.11	2.73	2.39
<b>April</b>	5.45	4.78	3.95
<b>May</b>	8.58	1.95	4.88
<b>June</b>	0.27	4.99	2.31
<b>July</b>	0.53	0.73	1.65
<b>August</b>	0.22	0.69	1.11
<b>September</b>	0.00	3.61	2.58
<b>October</b>	1.60	1.06	3.38
<b>November</b>	2.77	3.17	2.86
<b>December</b>	5.99	0.51	3.96

<b>Month totals of Toiyabe FDRA Precipitation (inches)</b>			
	<b>2018</b>	<b>2017</b>	<b>5yr avg. (2013- 2017)</b>
<b>January</b>	1.53	5.09	2.44
<b>February</b>	1.41	2.77	2.05
<b>March</b>	4.85	3.42	1.82
<b>April</b>	5.91	5.28	3.45
<b>May</b>	8.38	2.32	4.48
<b>June</b>	0.51	2.25	0.83
<b>July</b>	4.04	3.37	2.87
<b>August</b>	0.61	2.01	2.00
<b>September</b>	0.03	4.90	4.27
<b>October</b>	4.96	0.96	2.42
<b>November</b>	2.75	2.82	1.80
<b>December</b>	2.09	0.24	2.65

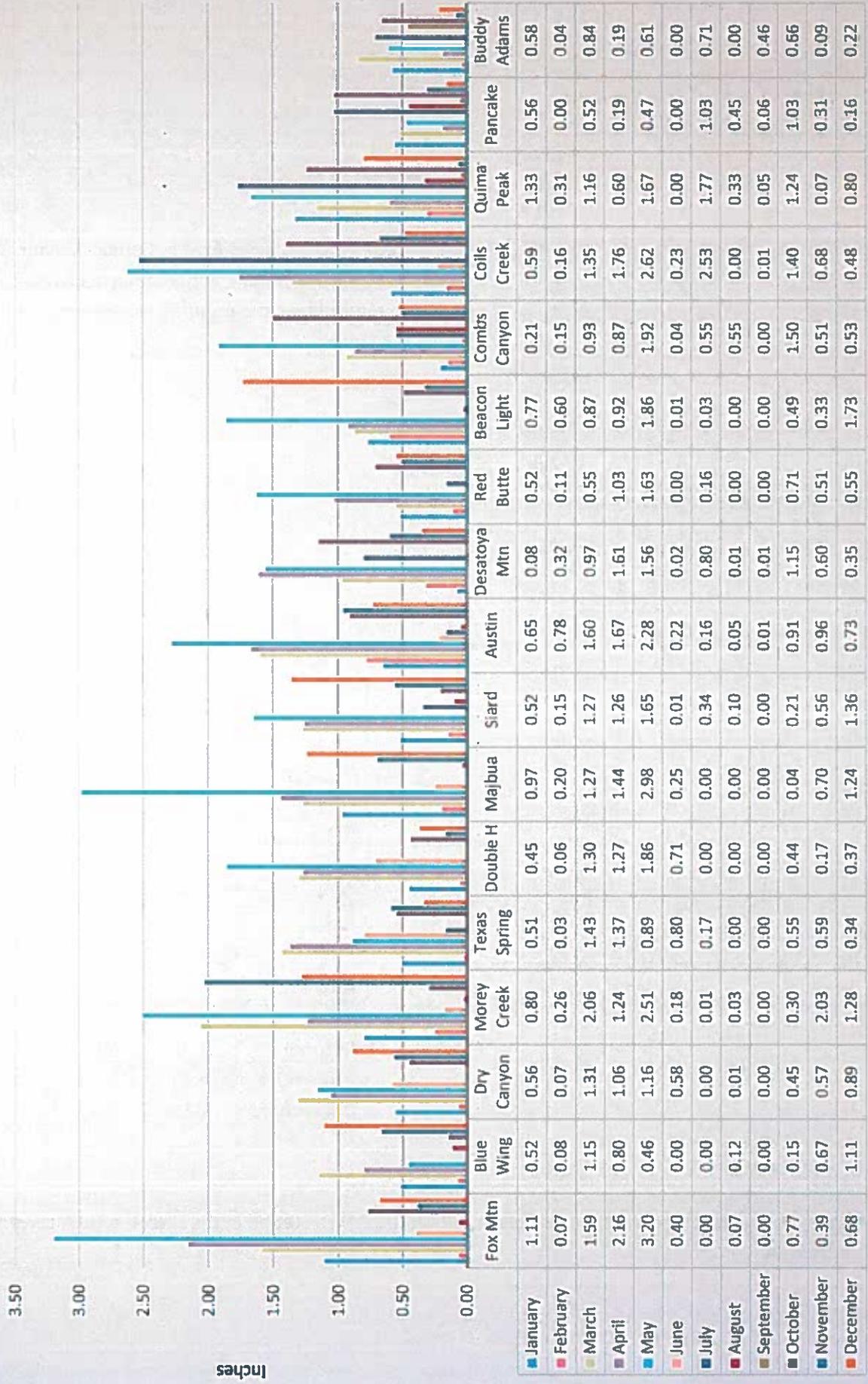
The Toiyabe FDRA includes Austin, Combs Canyon, Coils Creek, Desatoya Mountain, and Red Butte RAWS. The following table shows the monthly totals for those RAWS with 5-year average.

The Mojave FDRA includes Quima Peak, Pancake, and Buddy Adams RAWS. The following table shows the monthly totals for those RAWS with 5-year average.

<b>Month totals of Mojave FDRA Precipitation (inches)</b>			
	<b>2018</b>	<b>2017</b>	<b>5yr avg. (2013- 2017)</b>
<b>January</b>	2.47	2.62	1.68
<b>February</b>	0.35	3.14	1.32
<b>March</b>	2.52	1.60	1.43
<b>April</b>	0.98	0.92	1.28
<b>May</b>	2.75	1.11	1.30
<b>June</b>	0.00	0.02	0.45
<b>July</b>	3.51	1.88	1.92
<b>August</b>	0.78	1.23	1.29
<b>September</b>	0.57	2.65	2.26
<b>October</b>	2.93	0.09	1.78
<b>November</b>	0.47	0.29	0.57
<b>December</b>	1.18	0.00	1.22

The following chart shows the amount of precipitation the RAWS station in the CNIDC zone received in 2018 by month.

# 2018 CNIDC RAWS Station Precipitation by month



## Drought Monitor Images

December 26, 2017



June 5, 2018

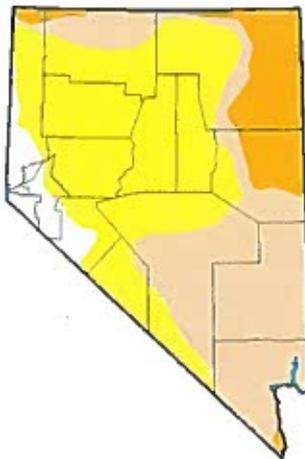


Figure 1 – December 26, 2017<sup>2</sup>

Figure 2 – June 5, 2018<sup>3</sup>

Figures 1 thru Figures 4 show the overall drought intensity in the state of Nevada increased during 2018.

September 25, 2018



December 25, 2018



Figure 3 – September 25, 2018<sup>4</sup>

Figure 4 – December 25, 2018<sup>5</sup>

### Intensity

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

<sup>2</sup> December 26, 2017 Nevada Drought Map.

[http://droughtmonitor.unl.edu/data/pdf/20171226/20171226\\_nv\\_trd.pdf](http://droughtmonitor.unl.edu/data/pdf/20171226/20171226_nv_trd.pdf)

<sup>3</sup> June 5, 2018 Nevada Drought Map. [https://droughtmonitor.unl.edu/data/pdf/20180605/20180605\\_nv\\_trd.pdf](https://droughtmonitor.unl.edu/data/pdf/20180605/20180605_nv_trd.pdf)

<sup>4</sup> September 25, 2018 Nevada Drought Map.

[https://droughtmonitor.unl.edu/data/pdf/20180925/20180925\\_nv\\_trd.pdf](https://droughtmonitor.unl.edu/data/pdf/20180925/20180925_nv_trd.pdf)

<sup>5</sup> December 25, 2018 Nevada Drought Map.

[https://droughtmonitor.unl.edu/data/pdf/20181225/20181225\\_nv\\_trd.pdf](https://droughtmonitor.unl.edu/data/pdf/20181225/20181225_nv_trd.pdf)

