

2011

Wildfire Activity Statistics



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2011 Wildfire Activity Statistics

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FOREWORD

WILDFIRE ACTIVITY STATISTICS

The California Department of Forestry and Fire Protection (CAL FIRE) under the direction of the State Board of Forestry and Fire Protection provides an annual Wildfire Activity Statistics report. Although it contains other information, this report is primarily a statistical record of wildfire incidents responded to by CAL FIRE employees (Schedule B) within CAL FIRE Direct Protection Area (DPA).

The existing overall fire protection system involving CAL FIRE and California as a whole is rather complex. A number of technical terms are utilized and the use of fire statistics typically presupposes some understanding of the overall framework. A description of this framework can be found at (<http://www.fire.ca.gov/about/about.php>); and in the Glossary of terms at the end of this document.

The first Forest Fire Summary (RED BOOK) was published in 1943 and has continued to this date. Prior to 1989, data and statistics were tabulated manually; today statistics are derived from an automated database and in some cases made more explicit through spatial analysis using Geographic Information System techniques. CAL FIRE began electronically entering incident data into the Emergency Activity Reporting System (EARS) on July 1, 1989. Starting at the end of 2006, CAL FIRE began reporting incidents using a web-based subscription service called California All Incident Reporting System (CAIRS). This data is imported into the CAIRS database by CAL FIRE staff and the data is uploaded quarterly to the National Database maintained by the United States Fire Administration (USFA). Due to the changes in data collection, methods and systems over the years, information may not always be comparable and data may be of differing accuracy or completeness.

Throughout this report, the statistics are displayed by **who** provides the wildfire protection. Forces include those from Schedule A, Schedule B, Contract County or federal firefighters. The second part of the statistical reporting is **where** the protection is provided. Areas are categorized as State Responsibility Area (SRA) or previously defined DPA.

SRA is State and privately-owned forest, watershed, and rangeland for which the primary financial responsibility of preventing and suppressing fires rests with the State (Map 1). Just over three-quarters of SRA is protected by CAL FIRE. However, under cooperative agreement or other arrangements, federal agencies protect 13% of SRA and local government protects the remaining 11% of SRA (Table 3).

The term "Direct Protection Area" is applied to indicate when a particular fire protection organization has the primary responsibility for attacking an uncontrolled fire and for directing the suppression activity. Thus, in addition to lands in SRA, CAL FIRE may have "direct protection" responsibility on lands in federal jurisdiction. At the same time, federal agencies, such as the U.S. Forest Service may have "direct protection" responsibility for lands in SRA. The lands in SRA and federal areas for which CAL FIRE has "direct protection" responsibility for fire protection responses are depicted on Map 2.

State law also permits the CAL FIRE Director to contract with local government to protect SRA lands; in this document they are referred to as Contract Counties. To date, the Director has permitted six counties: Kern, Los Angeles, Marin, Orange, Santa Barbara, and Ventura.

CAL FIRE provides fire protection services to many California citizens through the administration of approximately 150 cooperative fire protection agreements in 35 of the State's 58 counties. Wildfire statistics associated with incidents where local government reimburses CAL FIRE for services, commonly referred to as Schedule A, are displayed in Table 1.

This report also includes a statewide summary of California wildfires and a listing of wildfires over three hundred acres for all wildfire agencies (Table 5). The statistical information in this report is gathered from data in the previously defined CAIRS and Incident Status Summaries (ICS-209) on the National Fire and Aviation Management (FAMWEB) website <http://fam.nwcg.gov/fam-web/>.

The data within the statistic reports and graphic displays on pages 14 through 40 include only wildfire incidents in CAL FIRE's direct protection area that are filtered into general cause categories. A description of the general cause categories can be found in the Glossary of terms at the end of this document.

The majority of the 2011 wildfire activity occurred in Southern California, primarily in Kern County. Dry lightning storms that moved through Los Angeles, Kern and Tulare counties ignited over 70,000 acres in a two-week period. This wildfire activity is displayed in tables 1, 2, 5 and 7. However, it is not displayed in the tables or graphic figures (specifically Graphic Figure 6. – Fires and Acres by Region) that start on page 14, which are queried from the incident reports in the CAIRS database. Since most of the Contract Counties do not report their wildfire activity to the Office of the State Fire Marshal, we are not able to query this data from our database and display it in this annual statistic report.

Additional Wildfire Activity Statistics for previous years can be found at the following website: http://www.fire.ca.gov/fire_protection/fire_protection_fire_info_redbooks.php

2011 STATEWIDE FIRE SUMMARY

During the 2011 fire season, wildfire agencies responded to 7,732 fires which burned 228,599 acres. For wildfire agencies, this represents a 21% increase in fires and a 70% increase in acres burned from 2010. CAL FIRE, both Schedule A and Schedule B, reported 5,212 wildfire incidents that burned 56,007 acres, which represents a 28% increase in fires and a 82% increase in acres burned from 2010.

Table 1. Protection Areas by Wildfire Agency—Fires and Acres

Direct Protection Area	Fires	Acres Burned
CAL FIRE - Schedule B	3,056	51,889
CAL FIRE - Schedule A	2,156	4,118
United States Forest Service	1,176	43,565
Contract Counties	499	99,468
Bureau of Land Management	320	6,744
National Park Service	85	5,197
Bureau of Indian Affairs	217	986
United States Fish and Wildlife Service	10	3,169
Military	213	13,463
2011 Total	7,732	228,599
5-Year Average (2007-2011) All Agencies	6,687	785,816
5 Year Average CAL FIRE (2007-2011) Includes Schedule A	4,226	196,554

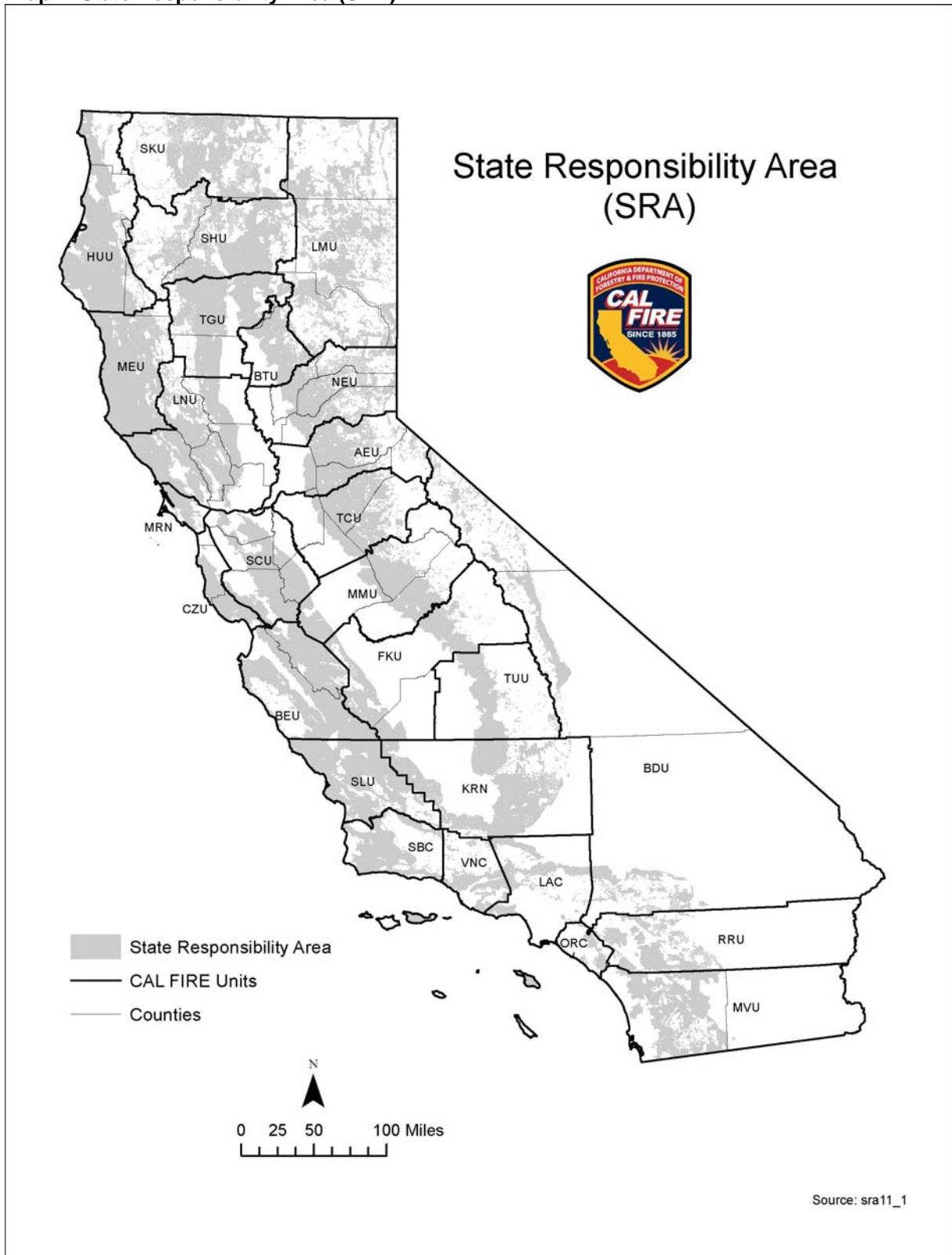
Federal agencies provide their fire statistics as a courtesy to CAL FIRE.

Table 2. The Top Five Fires by Acreage Burned

Fire Name	County	Start Date	Acres Burned	Fire Cause	Structures Destroyed
Comanche Complex	KERN	9/10/11	29,338	LIGHTNING	0
Breckenridge Complex	KERN	9/10/11	25,213	LIGHTNING	0
Canyon	KERN	9/04/11	14,585	EQUIPMENT	100
Eagle	SAN DIEGO	7/21/11	14,100	ARSON	0
Keene Complex	KERN	9/10/11	10,470	LIGHTNING	0

Source: Redbook, Table 6, Large Fires 300 Acres and Greater - Other Agencies Direct Protection Areas.

Map 1. State Responsibility Area (SRA)



Source: sra11_1

Table 3. State Responsibility Area, Acres Protected by Other Agencies (2011) *

COUNTY	CAL FIRE	USFS	BLM	NPS	CC	Other FED	TOTAL
Alameda	245,638	0	0	0	0	0	245,638
Alpine	0	39,359	438	0	0	0	39,798
Amador	279,570	10,427	0	0	0	0	289,997
Butte	501,670	36,152	0	0	0	0	537,822
Calaveras	528,046	2,277	0	0	0	0	530,323
Colusa	248,997	5,403	0	0	0	0	254,400
Contra Costa	194,126	0	0	0	0	0	194,127
Del Norte	173,687	31,381	0	0	0	0	205,068
El Dorado	395,577	159,759	0	0	0	0	555,336
Fresno	786,090	22,094	0	0	0	0	808,184
Glenn	302,380	6,441	0	0	0	0	308,821
Humboldt	1,552,273	66,332	0	0	0	0	1,618,605
Imperial	2,136	0	0	0	0	0	2,136
Inyo	307,822	11,872	16,198	0	0	0	335,892
Kern	0	44,169	158,220	0	1,642,245	0	1,844,635
Kings	146,954	0	0	0	0	0	146,954
Lake	355,774	39,601	0	0	0	0	395,375
Lassen	581,755	79,759	385,507	0	0	0	1,047,021
Los Angeles	0	30,280	0	0	475,039	0	505,319
Madera	366,485	13,434	0	0	0	0	379,919
Marin	0	0	0	0	201,015	0	201,015
Mariposa	426,809	16,554	0	0	0	0	443,363
Mendocino	1,842,458	25,034	0	0	0	0	1,867,491
Merced	387,586	0	0	0	0	0	387,586
Modoc	372,620	184,996	74,563	0	0	0	632,179
Mono	2,249	40,272	161,900	0	0	0	204,421
Monterey	1,244,613	41,361	0	0	0	2,354	1,288,327
Napa	364,761	0	0	0	0	0	364,761
Nevada	300,528	94,622	0	0	0	0	395,150
Orange	0	2,415	0	0	104,826	0	107,241
Placer	263,061	124,089	0	0	0	0	387,150
Plumas	98,263	337,153	83	0	0	0	435,498
Riverside	536,782	63,355	48,542	0	2,627	0	651,306
Sacramento	117,306	0	0	0	0	0	117,306
San Benito	730,703	0	0	0	0	0	730,703
San Bernardino	290,081	77,579	0	0	0	0	367,659
San Diego	1,107,311	84,550	0	0	0	0	1,191,860
San Francisco	0	0	0	0	0	0	0
San Joaquin	149,378	0	0	0	0	0	149,378
San Luis Obispo	1,403,358	39,132	85,158	0	1,313	0	1,528,960

Table 3. (continued) State Responsibility Area, Acres Protected by Other Agencies (2011) *

COUNTY	CAL FIRE	USFS	BLM	NPS	CC	Other FED	TOTAL
San Mateo	181,347	0	0	0	0	0	181,347
Santa Barbara	0	65,151	0	55,371	671,227	0	791,749
Santa Clara	554,133	0	0	0	0	0	554,133
Santa Cruz	234,895	0	0	0	0	0	234,895
Shasta	1,144,876	219,249	0	0	0	0	1,364,124
Sierra	0	161,484	2,376	0	0	0	163,860
Siskiyou	1,007,944	361,900	0	0	0	0	1,369,844
Solano	86,891	0	0	0	0	0	86,891
Sonoma	796,341	0	0	0	0	0	796,341
Stanislaus	448,106	0	0	0	0	0	448,106
Sutter	0	0	0	0	0	0	0
Tehama	1,143,723	137,804	0	0	0	0	1,281,527
Trinity	257,028	226,821	0	0	0	0	483,849
Tulare	575,524	12,954	14,757	2,582	0	243	606,060
Tuolumne	300,189	58,744	0	390	0	0	359,323
Ventura	0	45,992	0	0	306,164	0	352,156
Yolo	180,587	0	0	0	0	0	180,587
Yuba	188,081	28,178	0	0	0	0	216,259
Total	23,706,512	3,048,126	947,742	58,344	3,404,455	2,597	31,167,776

CAL FIRE — California Department of Forestry and Fire Protection

USFS — United States Forest Service

BLM — Bureau of Land Management

NPS — National Park Service

CC — Contract County

Other FED — Other Federal Fire Protection Agency

* Data rounded to nearest whole number

Source: Map and acres data prepared by CAL FIRE Fire and Resource Assessment Program (FRAP)

Data: sra11_1

Map 2. CAL FIRE - Direct Protection Area (DPA)

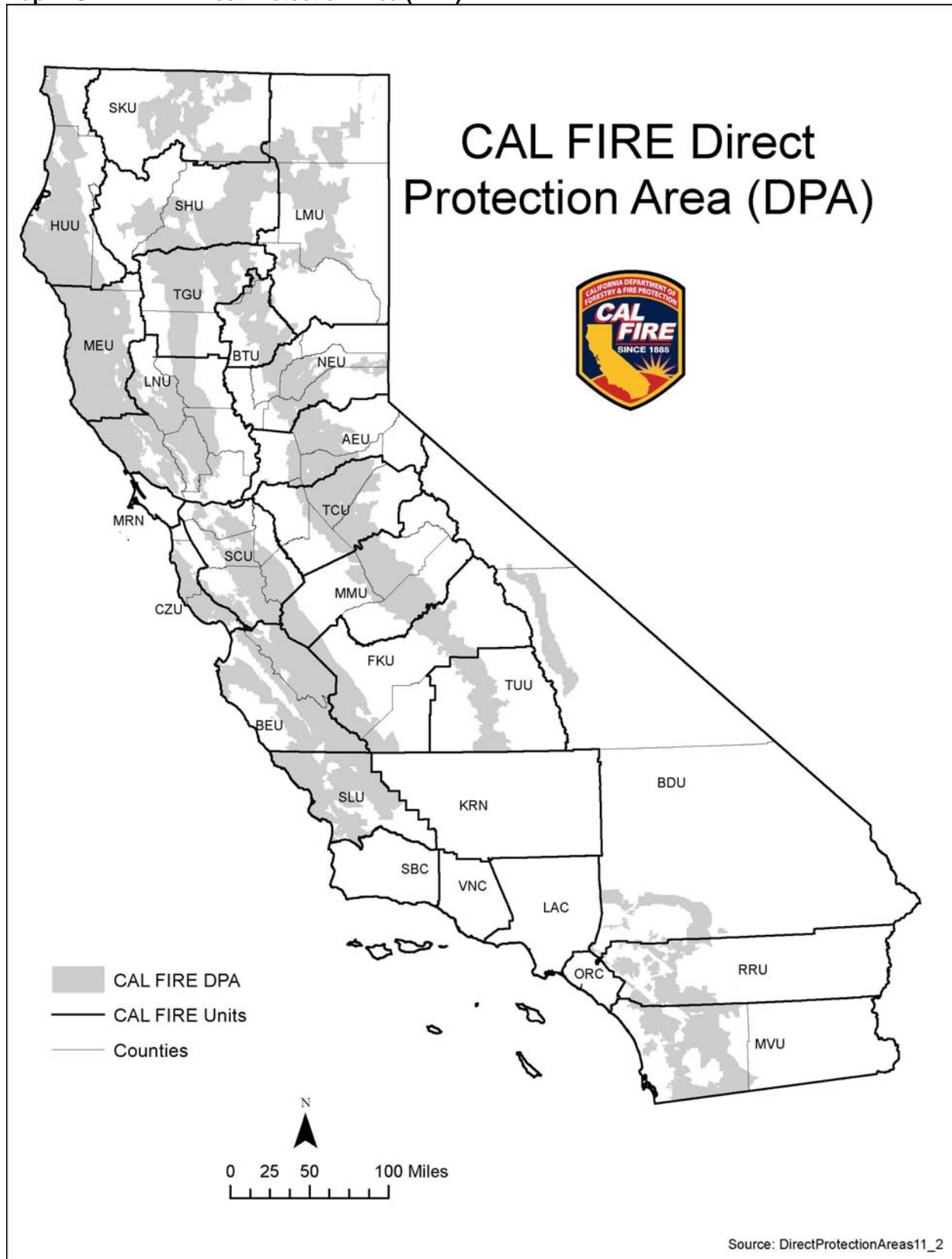


Table 16. Dollar Damage by Cause, by Unit and by County — Northern Region

NORTHERN REGION	Total	Arson	Campfire	Debris Burning	Equip. Use	Ltng.	Misc.	Power-line	P-W-F	Rail-road	Smoking	Undet.	Vehicle
Amador	\$4,200	\$0	\$0	\$200	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0	\$3,000	\$0
El Dorado	\$55,400	\$0	\$0	\$10,000	\$3,100	\$0	\$9,700	\$2,500	\$0	\$0	\$0	\$100	\$30,000
Sacramento	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
San Joaquin	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Amador-El Dorado	\$59,600	\$0	\$0	\$10,200	\$3,100	\$0	\$10,700	\$2,500	\$0	\$0	\$0	\$3,100	\$30,000
Butte	\$125,600	\$0	\$0	\$32,000	\$46,400	\$0	\$2,000	\$0	\$0	\$0	\$0	\$25,200	\$20,000
Plumas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tehama	\$2,500	\$0	\$0	\$0	\$2,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Butte	\$128,100	\$0	\$0	\$32,000	\$48,900	\$0	\$2,000	\$0	\$0	\$0	\$0	\$25,200	\$20,000
Del Norte	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Humboldt	\$133,938	\$0	\$0	\$400	\$30,000	\$0	\$37	\$1,000	\$0	\$0	\$1,000	\$100,001	\$1,500
Siskiyou	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W. Trinity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Humboldt-Del Norte	\$133,938	\$0	\$0	\$400	\$30,000	\$0	\$37	\$1,000	\$0	\$0	\$1,000	\$100,001	\$1,500
Lassen	\$9,916	\$100	\$0	\$9,022	\$300	\$274	\$10	\$10	\$0	\$0	\$0	\$200	\$0
Modoc	\$1,882	\$0	\$0	\$500	\$200	\$50	\$32	\$0	\$0	\$0	\$0	\$1,100	\$0
Plumas	\$750	\$0	\$0	\$750	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lassen-Modoc	\$12,548	\$100	\$0	\$10,272	\$500	\$324	\$42	\$10	\$0	\$0	\$0	\$1,300	\$0
Mendocino	\$81,012	\$800	\$0	\$0	\$0	\$0	\$4,012	\$0	\$0	\$0	\$0	\$26,200	\$50,000
Mendocino	\$81,012	\$800	\$0	\$0	\$0	\$0	\$4,012	\$0	\$0	\$0	\$0	\$26,200	\$50,000
Nevada	\$30,350	\$0	\$0	\$50	\$29,700	\$0	\$500	\$0	\$0	\$0	\$0	\$100	\$0
Placer	\$55,550	\$0	\$0	\$5,050	\$500	\$0	\$7,300	\$41,050	\$0	\$0	\$0	\$1,650	\$0
Sierra	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sutter	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Yuba	\$319,161	\$100	\$0	\$0	\$175,200	\$0	\$41,261	\$40,000	\$0	\$0	\$0	\$0	\$62,600
Nevada-Yuba-Placer	\$405,061	\$100	\$0	\$5,100	\$205,400	\$0	\$49,061	\$81,050	\$0	\$0	\$0	\$1,750	\$62,600
San Mateo	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Santa Cruz	\$13,426	\$0	\$0	\$1	\$2,000	\$0	\$11,025	\$400	\$0	\$0	\$0	\$0	\$0
San Mateo-Santa Cruz	\$13,426	\$0	\$0	\$1	\$2,000	\$0	\$11,025	\$400	\$0	\$0	\$0	\$0	\$0

Table 16. (continued) Dollar Damage by Cause, by Unit and by County — Northern Region

NORTHERN REGION	Total	Arson	Camp-fire	Debris Burning	Equip. Use	Ltng.	Misc.	Power-line	P-W-F	Rail-road	Smoking	Undet.	Vehicle
Alameda	\$487,750	\$137,000	\$0	\$0	\$339,250	\$0	\$7,900	\$2,500	\$0		\$0	\$500	\$600
Contra Costa	\$684,650	\$2,000	\$0	\$0	\$2,000	\$0	\$660,800	\$1,200	\$0		\$0	\$18,450	\$200
Santa Clara	\$24,500	\$0	\$0	\$0	\$16,500	\$0	\$8,000	\$0	\$0		\$0	\$0	\$0
W. San Joaquin	\$58,450	\$0	\$0	\$0	\$0	\$0	\$1,000	\$0	\$0		\$0	\$57,450	\$0
W. Stanislaus	\$10,100	\$0	\$0	\$900	\$3,300	\$0	\$0	\$400	\$0		\$0	\$5,500	\$0
Santa Clara	\$1,265,450	\$139,000	\$0	\$900	\$361,050	\$0	\$677,700	\$4,100	\$0	\$0	\$0	\$81,900	\$800
E. Trinity	\$16,100	\$0	\$0	\$0	\$100	\$0	\$0	\$10,000	\$0		\$1,000	\$5,000	\$0
Shasta	\$33,600	\$200	\$0	\$14,800	\$1,000	\$0	\$100	\$2,500	\$0		\$1,000	\$14,000	\$0
Shasta-Trinity	\$49,700	\$200	\$0	\$14,800	\$1,100	\$0	\$100	\$12,500	\$0	\$0	\$2,000	\$19,000	\$0
Shasta	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
Siskiyou	\$291,402	\$0	\$0	\$0	\$1,000	\$0	\$250,402	\$0	\$0		\$0	\$0	\$40,000
Siskiyou	\$291,402	\$0	\$0	\$0	\$1,000	\$0	\$250,402	\$0	\$0	\$0	\$0	\$0	\$40,000
Colusa	\$13,000	\$0	\$0	\$0	\$13,000	\$0	\$0	\$0	\$0		\$0	\$0	\$0
Lake	\$534,840	\$100	\$0	\$40	\$1,000	\$0	\$520,600	\$0	\$0		\$0	\$13,100	\$0
Napa	\$754,350	\$0	\$0	\$0	\$0	\$0	\$754,050	\$300	\$0		\$0	\$0	\$0
Solano	\$3,020	\$0	\$0	\$0	\$2,500	\$0	\$20	\$0	\$0		\$0	\$500	\$0
Sonoma	\$276,401	\$0	\$0	\$0	\$5,100	\$0	\$271,100	\$201	\$0		\$0	\$0	\$0
Yolo	\$35,002	\$0	\$0	\$0	\$35,000	\$0	\$0	\$0	\$0		\$0	\$2	\$0
Sonoma-Lake-Napa	\$1,616,613	\$100	\$0	\$40	\$56,600	\$0	\$1,545,770	\$501	\$0	\$0	\$0	\$13,602	\$0
Glenn	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
Tehama	\$86,820	\$300	\$0	\$520	\$2,100	\$0	\$2,200	\$80,000	\$0		\$1,000	\$700	\$0
Tehama-Glenn	\$86,820	\$300	\$0	\$520	\$2,100	\$0	\$2,200	\$80,000	\$0	\$0	\$1,000	\$700	\$0
NORTHERN REGION TOTAL	\$4,143,670	\$140,600	\$0	\$74,233	\$711,750	\$324	\$2,553,049	\$182,061	\$0	\$0	\$4,000	\$272,753	\$204,900

Table 17. Dollar Damage by Cause, by Unit and by County — Southern Region

SOUTHERN REGION	Total	Arson	Campfire	Debris Burning	Equip. Use	Ltng.	Misc.	Power - line	P-W-F	Railroad	Smoking	Undet.	Vehicle
Fresno	\$109,085	\$2,000	\$500	\$200	\$15,650	\$0	\$62,335	\$5,200	\$0	\$0	\$0	\$3,200	\$20,000
Kings	\$1,200	\$0	\$0	\$0	\$1,000	\$0	\$200	\$0	\$0	\$0	\$0	\$0	\$0
Fresno-Kings	\$110,285	\$2,000	\$500	\$200	\$16,650	\$0	\$62,535	\$5,200	\$0	\$0	\$0	\$3,200	\$20,000
Madera	\$26,145	\$200	\$0	\$100	\$2,025	\$0	\$500	\$15,000	\$0	\$0	\$0	\$8,320	\$0
Mariposa	\$14,003	\$0	\$0	\$10,001	\$100	\$0	\$2	\$3,400	\$0	\$0	\$0	\$500	\$0
Merced	\$81,080	\$0	\$0	\$0	\$60,000	\$0	\$0	\$0	\$0	\$0	\$0	\$9,780	\$11,300
Madera-Mariposa	\$121,228	\$200	\$0	\$10,101	\$62,125	\$0	\$502	\$18,400	\$0	\$0	\$0	\$18,600	\$11,300
Riverside	\$335,600	\$0	\$0	\$0	\$157,600	\$0	\$51,000	\$17,000	\$0	\$0	\$0	\$51,000	\$59,000
Riverside	\$335,600	\$0	\$0	\$0	\$157,600	\$0	\$51,000	\$17,000	\$0	\$0	\$0	\$51,000	\$59,000
Monterey	\$165,076	\$250	\$0	\$400	\$220	\$0	\$132,586	\$30,420	\$0	\$0	\$0	\$1,100	\$100
San Benito	\$8,215	\$0	\$0	\$0	\$3,195	\$0	\$20	\$0	\$0	\$0	\$0	\$5,000	\$0
San Benito-Monterey	\$173,291	\$250	\$0	\$400	\$3,415	\$0	\$132,606	\$30,420	\$0	\$0	\$0	\$6,100	\$100
Inyo	\$20,007	\$0	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7	\$0
San Bernardino	\$419,810	\$0	\$0	\$0	\$39,002	\$0	\$108	\$0	\$0	\$0	\$0	\$380,700	\$0
San Bernardino	\$439,817	\$0	\$0	\$0	\$59,002	\$0	\$108	\$0	\$0	\$0	\$0	\$380,707	\$0
San Diego	\$341,962	\$5,000	\$0	\$0	\$99,800	\$0	\$232,162	\$500	\$0	\$0	\$0	\$3,500	\$1,000
San Diego	\$341,962	\$5,000	\$0	\$0	\$99,800	\$0	\$232,162	\$500	\$0	\$0	\$0	\$3,500	\$1,000
San Luis Obispo	\$123,200	\$0	\$0	\$0	\$89,300	\$0	\$28,900	\$3,000	\$0	\$0	\$0	\$2,000	\$0
San Luis Obispo	\$123,200	\$0	\$0	\$0	\$89,300	\$0	\$28,900	\$3,000	\$0	\$0	\$0	\$2,000	\$0
Tulare	\$76,685	\$2,425	\$0	\$100	\$24,460	\$1,000	\$12,000	\$500	\$0	\$0	\$0	\$36,200	\$0
Tulare	\$76,685	\$2,425	\$0	\$100	\$24,460	\$1,000	\$12,000	\$500	\$0	\$0	\$0	\$36,200	\$0
Calaveras	\$322,326	\$100	\$0	\$59,076	\$44,300	\$2,000	\$170,975	\$20,000	\$0	\$0	\$4,800	\$21,075	\$0
E. San Joaquin	\$13,210	\$100	\$0	\$0	\$7,000	\$0	\$6,110	\$0	\$0	\$0	\$0	\$0	\$0
E. Stanislaus	\$376,795	\$103,200	\$35	\$0	\$8,800	\$224,400	\$17,250	\$600	\$0	\$0	\$0	\$13,310	\$9,200
Tuolumne	\$644,582	\$900	\$0	\$1,831	\$0	\$0	\$604,567	\$600	\$0	\$0	\$0	\$35,484	\$1,200
Tuolumne-Calaveras	\$1,356,913	\$104,300	\$35	\$60,907	\$60,100	\$226,400	\$798,902	\$21,200	\$0	\$0	\$4,800	\$69,869	\$10,400
SOUTHERN REGION TOTAL	\$3,078,981	\$114,175	\$535	\$71,708	\$572,452	\$227,400	\$1,318,715	\$96,220	\$0	\$0	\$4,800	\$571,176	\$101,800
STATE TOTAL	\$7,222,651	\$254,775	\$535	\$145,941	\$1,284,202	\$227,724	\$3,871,764	\$278,281	\$0	\$0	\$8,800	\$843,929	\$306,700

Table 18. Dollar Damage by Size, by Unit and by County — Northern Region

		A	B	C	D	E	F	G
NORTHERN REGION	Total	.25 acres or <	.26-9.99 acres	10-99 acres	100-299 acres	300-999 acres	1000-4999 acres	5000 acres >
Amador	\$4,200	\$3,000	\$1,200	\$0	\$0	\$0	\$0	\$0
El Dorado	\$55,400	\$10,300	\$45,100	\$0	\$0	\$0	\$0	\$0
Sacramento	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
San Joaquin	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Amador-El Dorado	\$59,600	\$13,300	\$46,300	\$0	\$0	\$0	\$0	\$0
Butte	\$125,600	\$2,200	\$123,400	\$0	\$0	\$0	\$0	\$0
Plumas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tehama	\$2,500	\$0	\$2,500	\$0	\$0	\$0	\$0	\$0
Butte	\$128,100	\$2,200	\$125,900	\$0	\$0	\$0	\$0	\$0
Del Norte	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Humboldt	\$133,938	\$130,037	\$3,901	\$0	\$0	\$0	\$0	\$0
Siskiyou	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W. Trinity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Humboldt-Del Norte	\$133,938	\$130,037	\$3,901	\$0	\$0	\$0	\$0	\$0
Lassen	\$9,916	\$574	\$9,332	\$10	\$0	\$0	\$0	\$0
Modoc	\$1,882	\$250	\$1,632	\$0	\$0	\$0	\$0	\$0
Plumas	\$750	\$750	\$0	\$0	\$0	\$0	\$0	\$0
Lassen-Modoc	\$12,548	\$1,574	\$10,964	\$10	\$0	\$0	\$0	\$0
Mendocino	\$81,012	\$11,000	\$67,011	\$0	\$0	\$3,001	\$0	\$0
Mendocino	\$81,012	\$11,000	\$67,011	\$0	\$0	\$3,001	\$0	\$0
Nevada	\$30,350	\$29,000	\$1,350	\$0	\$0	\$0	\$0	\$0
Placer	\$55,550	\$1,900	\$53,650	\$0	\$0	\$0	\$0	\$0
Sierra	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sutter	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Yuba	\$319,161	\$500	\$77,901	\$175,000	\$25,760	\$40,000	\$0	\$0
Nevada-Yuba-Placer	\$405,061	\$31,400	\$132,901	\$175,000	\$25,760	\$40,000	\$0	\$0
San Mateo	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Santa Cruz	\$13,426	\$11,425	\$2,001	\$0	\$0	\$0	\$0	\$0
San Mateo-Santa Cruz	\$13,426	\$11,425	\$2,001	\$0	\$0	\$0	\$0	\$0

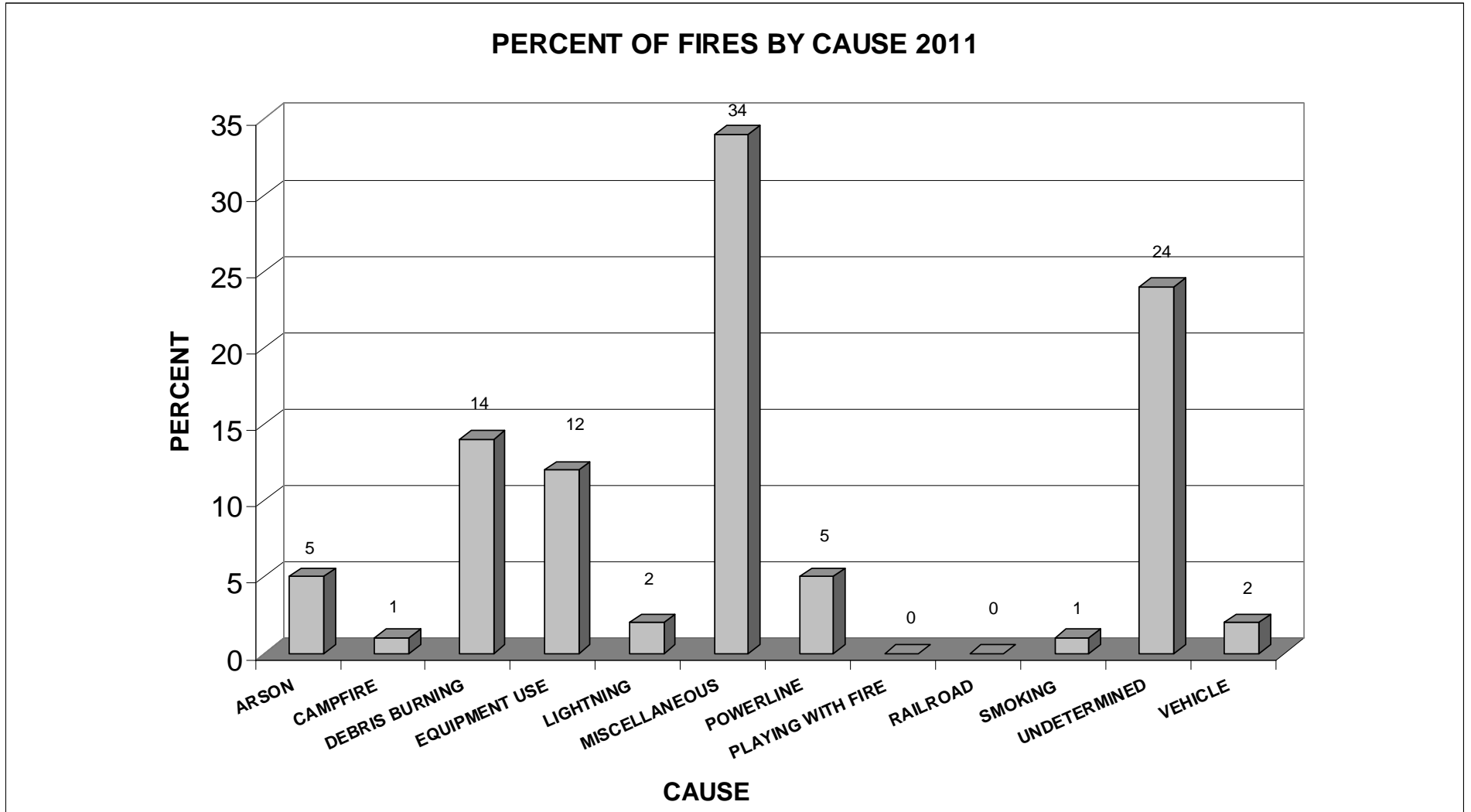
Table 18. (continued) Dollar Damage by Size, by Unit and by County — Northern Region

		A	B	C	D	E	F	G
NORTHERN REGION	Total	.25 acres or <	.26-9.99 acres	10-99 acres	100-299 acres	300-999 acres	1000-4999 acres	5000 acres >
Alameda	\$487,750	\$60,000	\$3,900	\$14,850	\$22,000	\$387,000	\$0	\$0
Contra Costa	\$684,650	\$650,000	\$3,450	\$31,200	\$0	\$0	\$0	\$0
Santa Clara	\$24,500	\$200	\$7,200	\$17,100	\$0	\$0	\$0	\$0
W. San Joaquin	\$58,450	\$1,000	\$250	\$14,200	\$43,000	\$0	\$0	\$0
W. Stanislaus	\$10,100	\$0	\$6,800	\$3,300	\$0	\$0	\$0	\$0
Santa Clara	\$1,265,450	\$711,200	\$21,600	\$80,650	\$65,000	\$387,000	\$0	\$0
E. Trinity	\$16,100	\$100	\$6,000	\$10,000	\$0	\$0	\$0	\$0
Shasta	\$33,600	\$3,500	\$19,100	\$11,000	\$0	\$0	\$0	\$0
Shasta-Trinity	\$49,700	\$3,600	\$25,100	\$21,000	\$0	\$0	\$0	\$0
Shasta	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Siskiyou	\$291,402	\$41,200	\$250,202	\$0	\$0	\$0	\$0	\$0
Siskiyou	\$291,402	\$41,200	\$250,202	\$0	\$0	\$0	\$0	\$0
Colusa	\$13,000	\$0	\$13,000	\$0	\$0	\$0	\$0	\$0
Lake	\$534,840	\$1,640	\$533,200	\$0	\$0	\$0	\$0	\$0
Napa	\$754,350	\$0	\$4,350	\$750,000	\$0	\$0	\$0	\$0
Solano	\$3,020	\$0	\$520	\$2,500	\$0	\$0	\$0	\$0
Sonoma	\$276,401	\$201	\$276,200	\$0	\$0	\$0	\$0	\$0
Yolo	\$35,002	\$0	\$35,002	\$0	\$0	\$0	\$0	\$0
Sonoma-Lake-Napa	\$1,616,613	\$1,841	\$862,272	\$752,500	\$0	\$0	\$0	\$0
Glenn	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tehama	\$86,820	\$20	\$84,300	\$2,500	\$0	\$0	\$0	\$0
Tehama-Glenn	\$86,820	\$20	\$84,300	\$2,500	\$0	\$0	\$0	\$0
NORTHERN REGION TOTAL	\$4,143,670	\$958,797	\$1,632,452	\$1,031,660	\$90,760	\$430,001	\$0	\$0

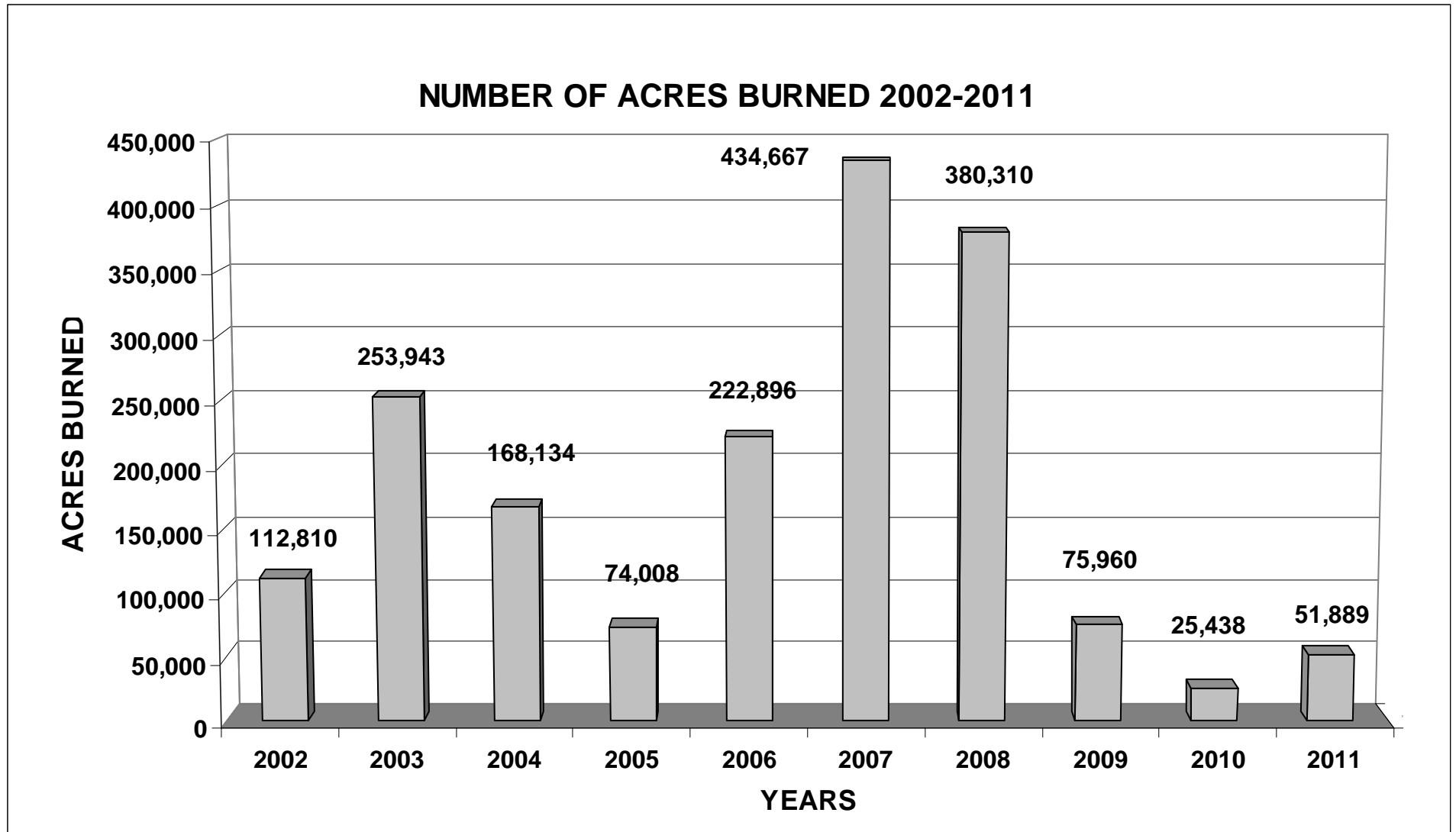
Table 19. Dollar Damage by Size, by Unit and by County — Southern Region

		A	B	C	D	E	F	G
SOUTHERN REGION	Total	.25 acres or <	.26-9.99 acres	10-99 acres	100-299 acres	300-999 acres	1000-4999 acres	5000 acres >
Fresno	\$109,085	\$40,802	\$24,833	\$14,450	\$29,000	\$0	\$0	\$0
Kings	\$1,200	\$200	\$400	\$600	\$0	\$0	\$0	\$0
Fresno-Kings	\$110,285	\$41,002	\$25,233	\$15,050	\$29,000	\$0	\$0	\$0
Madera	\$26,145	\$225	\$5,820	\$17,200	\$2,900	\$0	\$0	\$0
Mariposa	\$14,003	\$3	\$3,500	\$10,500	\$0	\$0	\$0	\$0
Merced	\$81,080	\$0	\$0	\$60,000	\$0	\$21,080	\$0	\$0
Madera-Mariposa	\$121,228	\$228	\$9,320	\$87,700	\$2,900	\$21,080	\$0	\$0
Riverside	\$335,600	\$0	\$254,600	\$81,000	\$0	\$0	\$0	\$0
Riverside	\$335,600	\$0	\$254,600	\$81,000	\$0	\$0	\$0	\$0
Monterey	\$165,076	\$601	\$1,730	\$2,745	\$0	\$160,000	\$0	\$0
San Benito	\$8,215	\$30	\$185	\$8,000	\$0	\$0	\$0	\$0
San Benito-Monterey	\$173,291	\$631	\$1,915	\$10,745	\$0	\$160,000	\$0	\$0
Inyo	\$20,007	\$0	\$0	\$0	\$0	\$7	\$0	\$20,000
San Bernardino	\$419,810	\$2,000	\$137,802	\$8	\$0	\$0	\$280,000	\$0
San Bernardino	\$439,817	\$2,000	\$137,802	\$8	\$0	\$7	\$280,000	\$20,000
San Diego	\$341,962	\$9,762	\$94,200	\$232,000	\$0	\$0	\$1,000	\$5,000
San Diego	\$341,962	\$9,762	\$94,200	\$232,000	\$0	\$0	\$1,000	\$5,000
San Luis Obispo	\$123,200	\$25,000	\$28,700	\$56,000	\$2,000	\$0	\$11,500	\$0
San Luis Obispo	\$123,200	\$25,000	\$28,700	\$56,000	\$2,000	\$0	\$11,500	\$0
Tulare	\$76,685	\$500	\$28,075	\$3,600	\$0	\$20,250	\$24,260	\$0
Tulare	\$76,685	\$500	\$28,075	\$3,600	\$0	\$20,250	\$24,260	\$0
Calaveras	\$322,326	\$1,926	\$104,750	\$215,650	\$0	\$0	\$0	\$0
E. San Joaquin	\$13,210	\$7,000	\$6,210	\$0	\$0	\$0	\$0	\$0
E. Stanislaus	\$376,795	\$35	\$17,950	\$29,610	\$104,800	\$0	\$224,400	\$0
Tuolumne	\$644,582	\$9,605	\$9,334	\$578,443	\$47,200	\$0	\$0	\$0
Tuolumne-Calaveras	\$1,356,913	\$18,566	\$138,244	\$823,703	\$152,000	\$0	\$224,400	\$0
SOUTHERN REGION TOTAL	\$3,078,981	\$97,689	\$718,089	\$1,309,806	\$185,900	\$201,337	\$541,160	\$25,000
STATE TOTAL	\$7,222,651	\$1,056,486	\$2,350,541	\$2,341,466	\$276,660	\$631,338	\$541,160	\$25,000

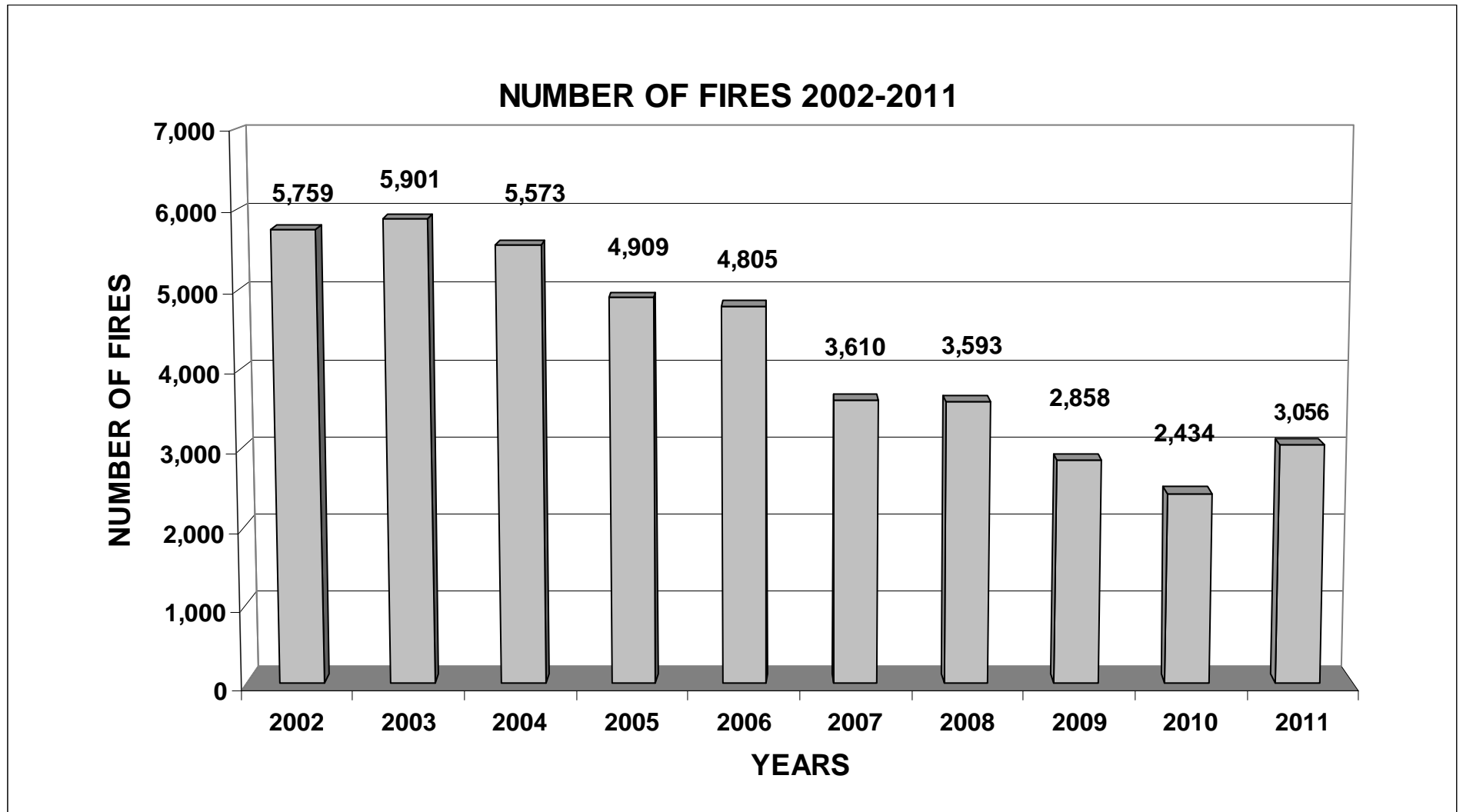
Graphic Figure 1. Percent of Fires by Cause



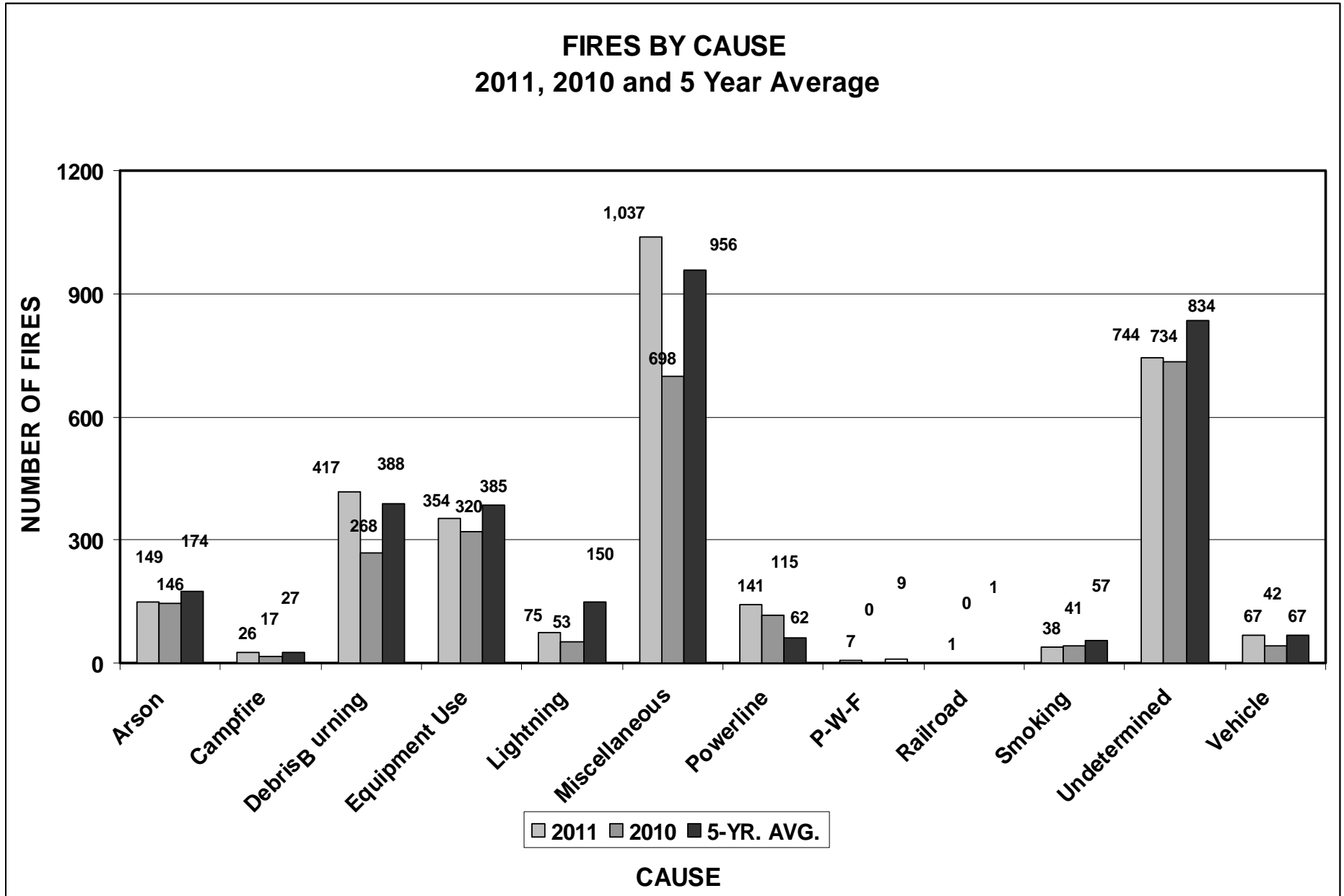
Graphic Figure 2. Number of Acres Burned — 2002-2011



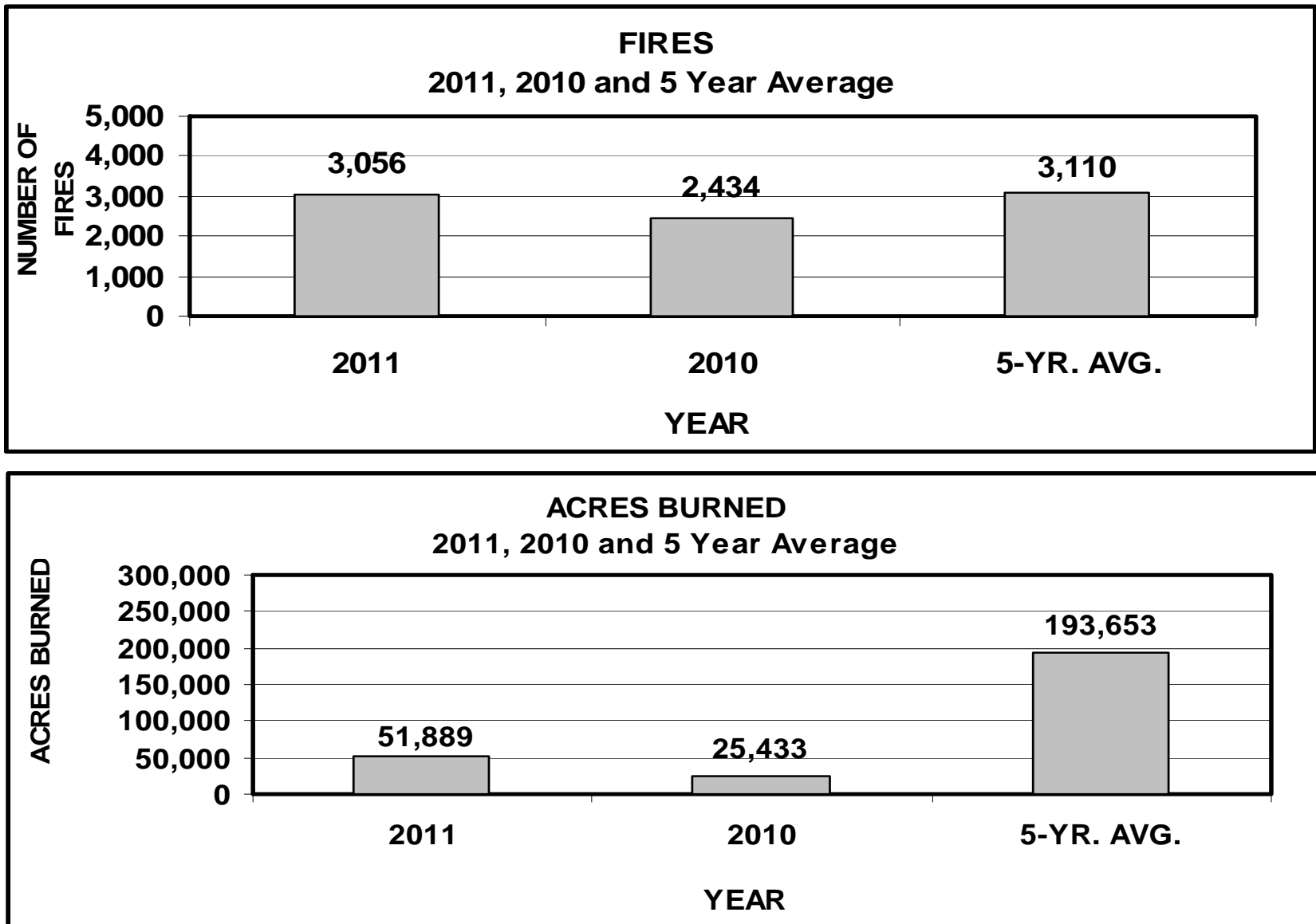
Graphic Figure 3. Number of Fires — 2002-2011



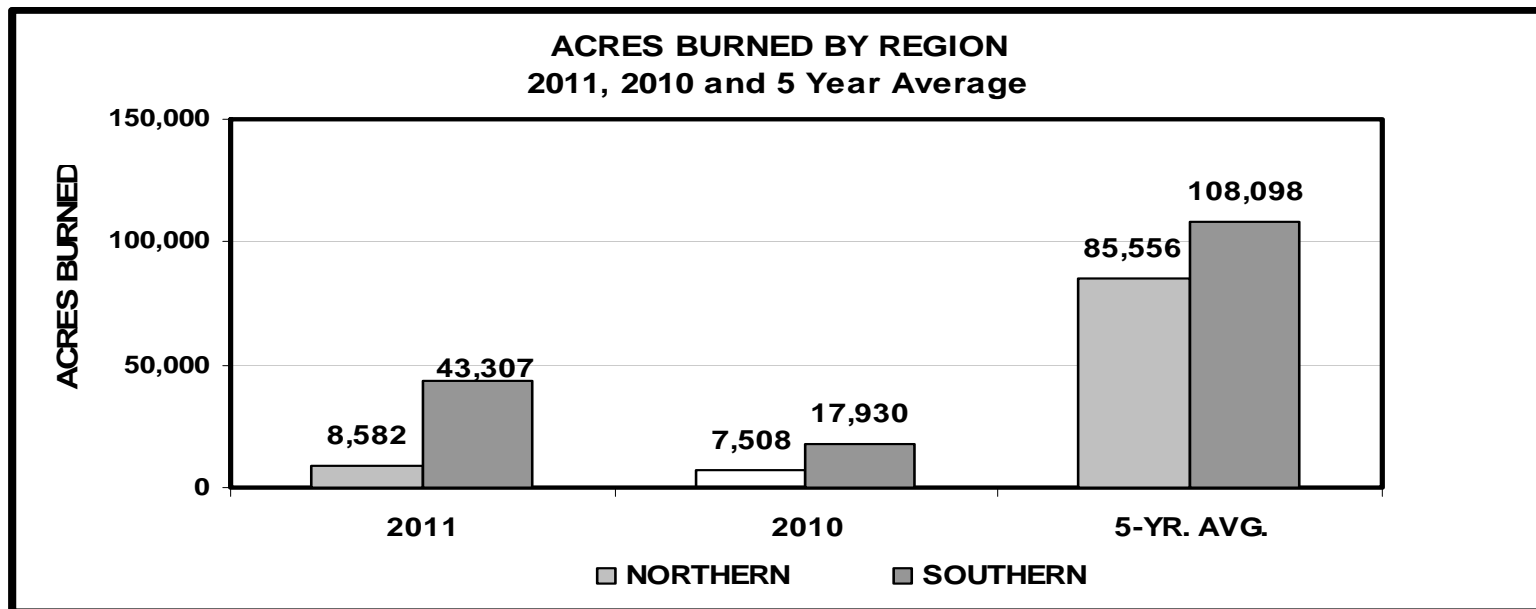
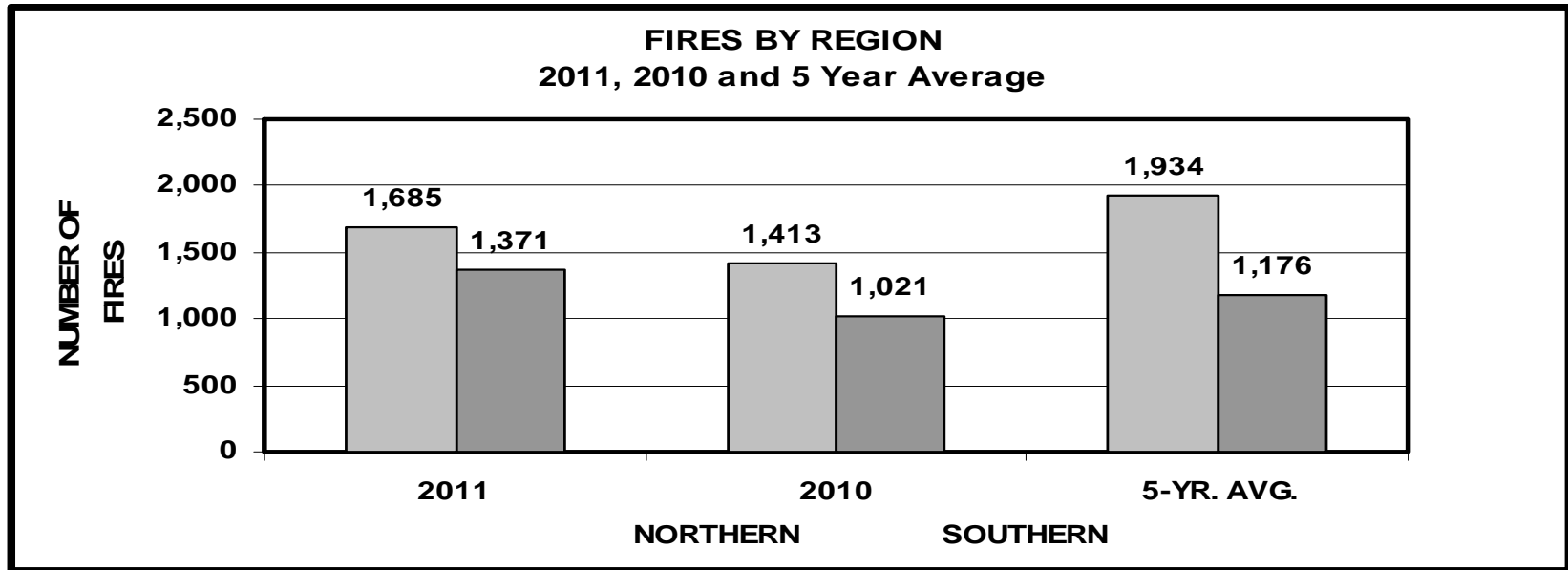
Graphic Figure 4. Number of Fires by Cause — 2011, 2010 and 5 Year Average



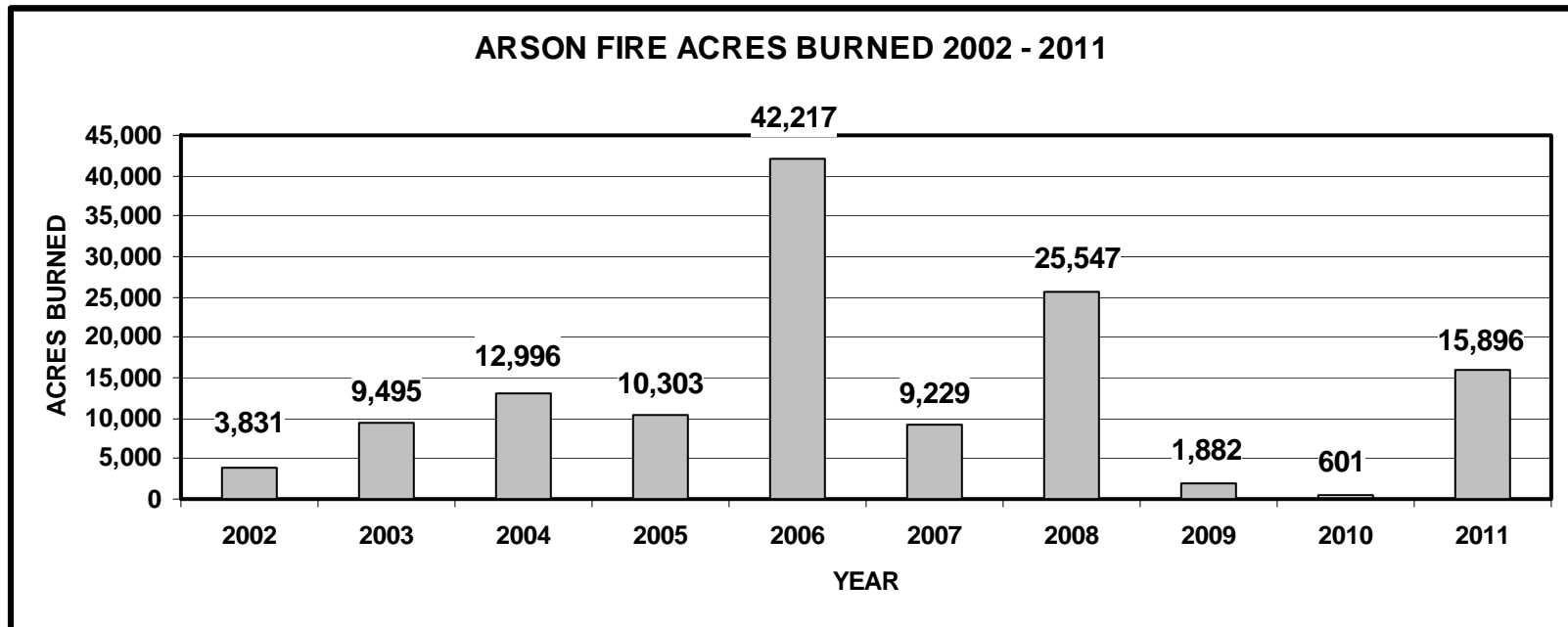
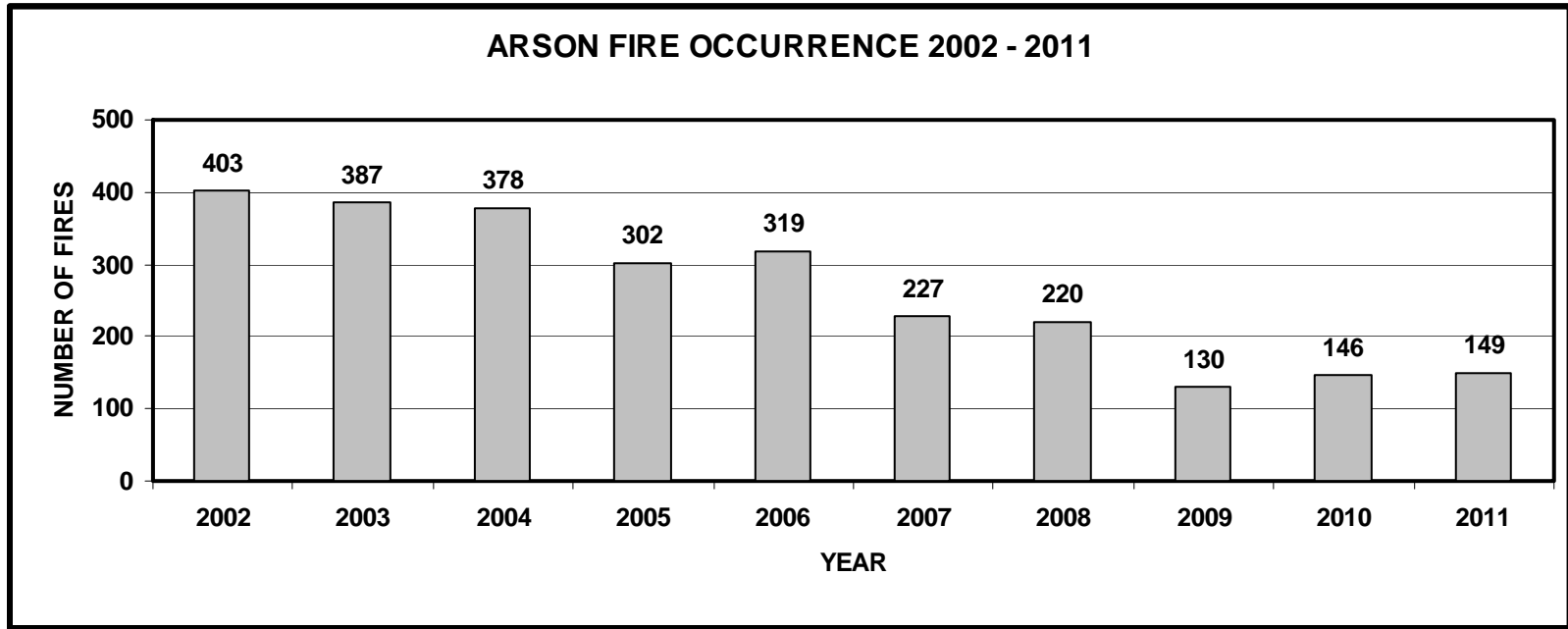
Graphic Figure 5. Fires and Acres — 2011, 2010 and 5 Year Average



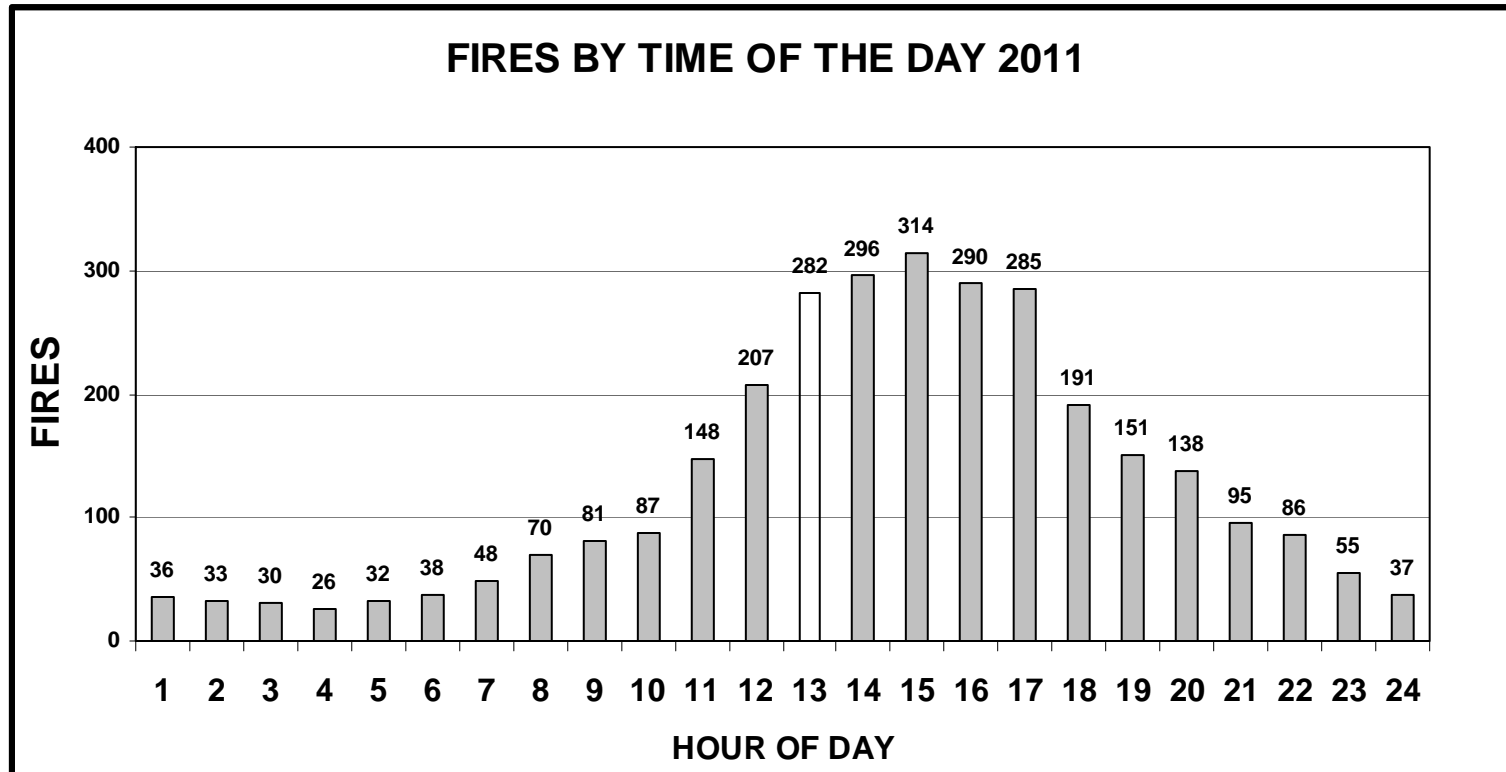
Graphic Figure 6. Fires and Acres by Region — 2011, 2010 and 5 Year Average



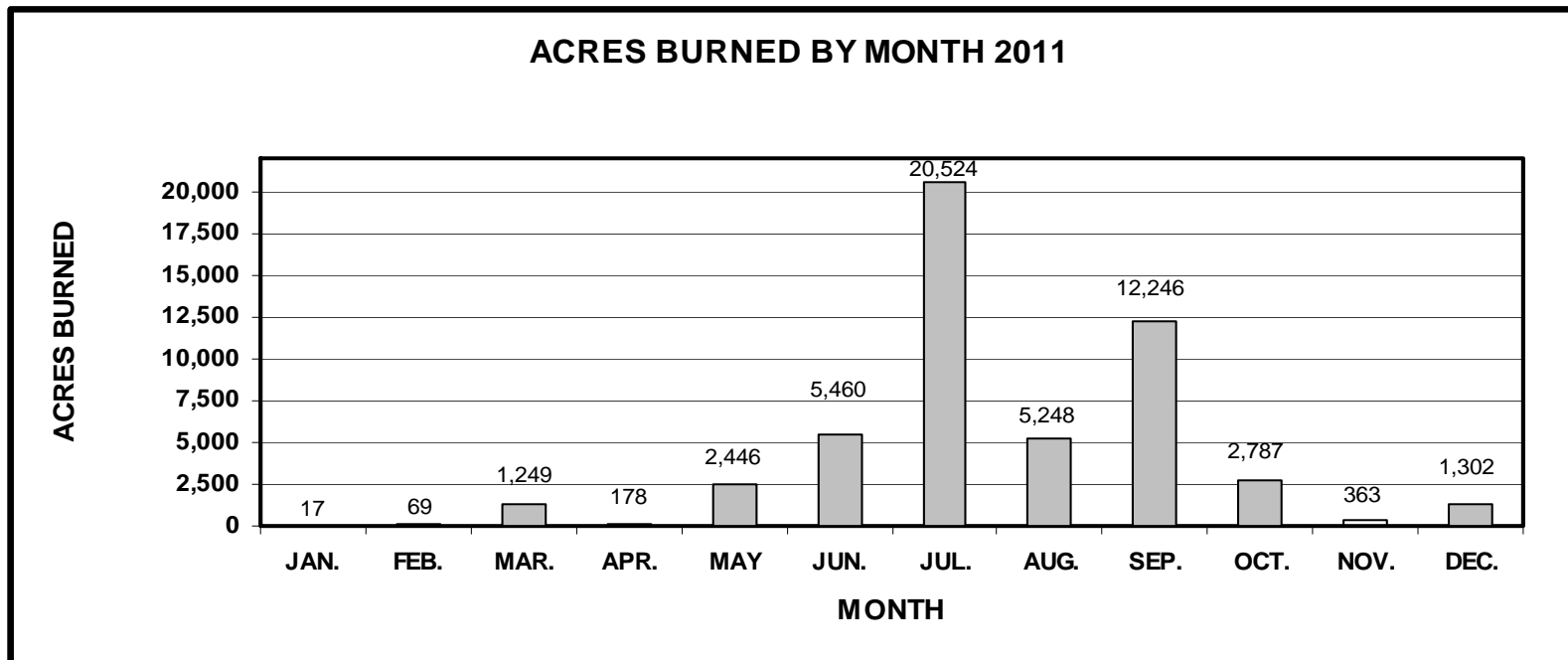
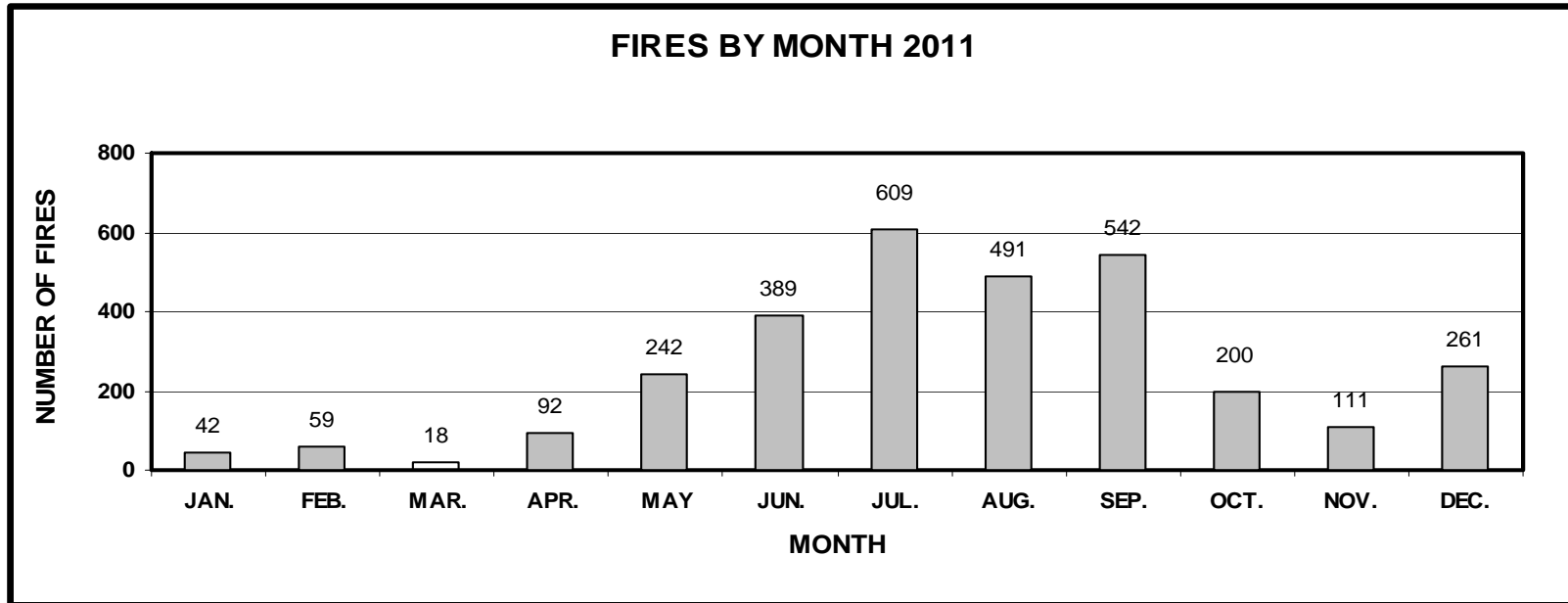
Graphic Figure 7. Number of Arson Fires and Acres — 2002-2011



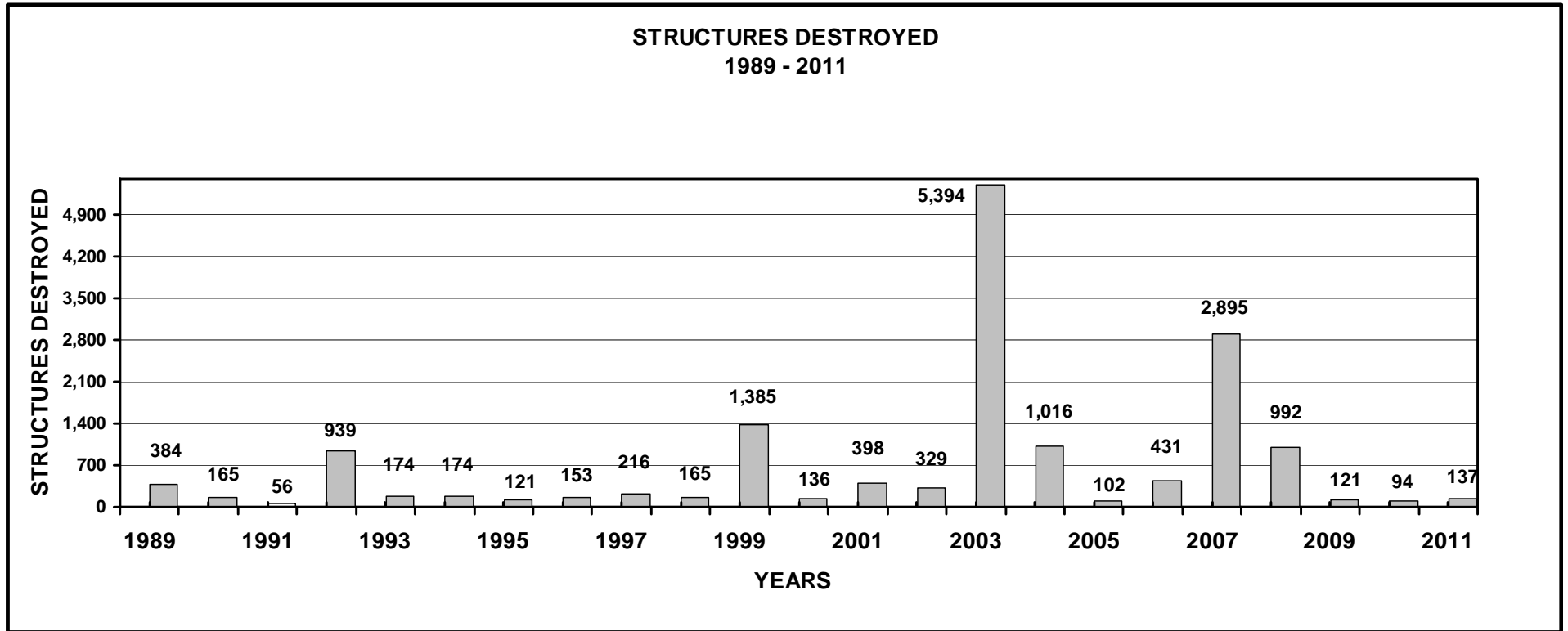
Graphic Figure 8. Number of Fires by Time of the Day



Graphic Figure 9. Number of Fires and Acres Burned by Month



Graphic Figure 10. Structures Destroyed — 1989-2011



The information on this list is gathered from the ICS 209 incident reports and includes information on fire activity within the Direct Protection Areas of CAL FIRE and Contract Counties.

Structures Destroyed = Structures and Outbuildings, as described in the Glossary, that have 75 – 100% flame damage.

1992 includes the Fountain and Old Gulch Fires.

2003 includes the Cedar Fire which destroyed 4847 structures.

GLOSSARY

ARSON – To unlawfully and intentionally damage, or attempt to damage, any real or personal property by fire or incendiary device.

CAMPFIRE – Outside fire used for cooking, warmth, lighting, ceremonial or aesthetic purposes.

CONTRACT COUNTIES – PRC §4133 and Section 55607 of the Government Code permit the CAL FIRE Director to contract with counties for protection of State Responsibility Area (SRA). In California, CAL FIRE contracts with six counties to provide fire-protection and prevention services in SRA. The counties of Kern, Los Angeles, Marin, Orange, Santa Barbara and Ventura are contract counties.

DEBRIS BURNING – Outside fire for vegetation, waste, or trash disposal.

DIRECT PROTECTION AREA (DPA) – The area for which a particular fire protection organization has the primary responsibility by law or contract for attacking an uncontrolled fire and directing the suppression activities.

EQUIPMENT USE – Fire ignited by the use or failure of mechanical or electrical equipment. Does not include fire ignited by powerlines.

FOREST FIRE – A fire burning uncontrolled on land covered entirely or in part by timber, brush, grass, grain or other flammable vegetation.

LIGHTNING – Fire ignited by lightning discharge.

LOCAL GOVERNMENT – A fire department, especially of a municipal government, whose purpose is preventing and extinguishing fires.

MISCELLANEOUS – Fire ignited by events or activities that are not classified as arson, campfire, debris burning, equipment use, lightning, playing with fire, powerline, railroad, smoking, vehicle, or undetermined.

OUTBUILDING – A building that is separate from a main building and located on the same property.

PLAYING WITH FIRE (P-W-F) – Fire ignited unintentionally by children under age 9 while playing or experimenting with fire or fire-causing devices.

POWERLINE – Fire ignited by electrical distribution or transmission.

RAILROAD – Fire ignited by rail transport vehicles or fire ignited on or near railroad right-of-way.

SCHEDULE A – PRC §4142 allows CAL FIRE to contract with local governments to provide fire protection and emergency services through the administration of 146 cooperative fire protection agreements in 35 of the State's 58 counties.

SCHEDULE B – CAL FIRE personnel and resources, performing the State/CAL FIRE mission, using State funding.

SMOKING – Fires ignited by smoking tobacco or other smoking material; includes matches, lighters, or other heat sources used in smoking.

STATE RESPONSIBILITY AREA (SRA) – Areas of the State in which the financial responsibility of preventing and suppressing fires has been determined by the State Board of Forestry and Fire Protection, to be primarily the responsibility of the State, PRC §4102.

STRUCTURE – An assembly of materials forming a construction for occupancy or use to serve a specific purpose, includes enclosed building, fixed portable building or mobile home.

UNCONTROLLED FIRE – Any fire which threatens to destroy life, property, or resources and either: (1) is unattended by any person; (2) is attended by persons unable to prevent its unrestricted spread; and (3) is burning with such velocity or intensity that it could not be readily controlled with ordinary tools available to persons at the fire scene.

UNDETERMINED – A fire that has been investigated or is under investigation and has insufficient information to classify further or a fire that has not yet been investigated.

VEHICLE – Fire ignited by mobile property which include: Passenger automobile, bus, school bus, off road recreational, motor home, travel trailer, camping trailer, mobile home or office designed to be towed, motorcycle or scooter.

WILDFIRE – Any uncontrolled fire spreading through vegetative fuels that threatens to destroy life, property, or resources, PRC §4103 and 4104.

WILDLAND-URBAN INTERFACE – A geographical area identified by the State as a “Fire Hazard Severity Zone” in accordance with the PRC §4201 through 4204 and Government Code §51175 through 51189, or other areas designed to be at a significant risk from wildfires.