

Aerial Retardant Use and Fire Information Summary 2012 to 2019

USDA Forest Service December 2020 (revised)

This document is a summary of data presented in the Biological Assessments and Supplemental Environmental Impact Statement of Aerial Delivery of Retardant on National Forest System Lands. It includes retardant use data and calculations using that data, as well as information from the FireStats database on number of fires and acres burned. The report is broken into sections identified by labels in the footer. The following index describes the sections.

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Appendix C - Fire Retardant Use Information											
Region	Forest	acres	# fires 2012-2019	# retardant drops	Average drops per year	Total gallons 2012-2019	Average gallons per year	Acres of impact at 4 gpc	Acres of impact at 8 gpc	% USFS Land with fire retardant at 4 gpc	% USFS Land with fire retardant at 8 gpc
1	Beaverhead-Deerlodge	3,393,381	497	369	46	664,125	83,016	64-146	56-115	0.0019-0.0043%	0.0017-0.0034%
1	Bitterroot	1,594,659	552	324	40	582,587	72,823	56-128	49-101	0.0035-0.0080%	0.0031-0.0063%
1	Custer Gallatin	3,040,134	540	176	22	317,046	39,631	31-70	27-55	0.0010-0.0023%	0.0009-0.0018%
1	Dakota Prairie grasslands	1,257,901	128	6	1	10,477	1,310	1-2	1-2	0.0001-0.0002%	0.0001-0.0002%
1	Flathead	2,414,162	463	56	7	100,701	12,588	10-22	8-17	0.0004-0.0009%	0.0003-0.0007%
1	Helena-Lewis and Clark	2,856,442	370	724	90	1,302,675	162,834	126-287	109-226	0.0044-0.0100%	0.0038-0.0079%
1	Idaho-Panhandle	2,498,072	758	484	60	870,343	108,793	84-192	73-151	0.0034-0.0077%	0.0029-0.0060%
1	Kootenai	2,243,219	687	387	48	697,339	87,167	68-154	58-121	0.0030-0.0069%	0.0026-0.0054%
1	Lolo	2,216,287	1023	2,796	350	5,033,651	629,206	488-1109	422-873	0.0220-0.0500%	0.0190-0.0394%
1	Nez Perce - Clearwater	3,935,562	1380	733	92	1,319,283	164,910	128-291	111-229	0.0033-0.0074%	0.0028-0.0058%
	Region 1 Subtotal	25,449,819	6,398	6,055	757	10,898,227	1,362,278	1056-2401	914-1890	0.0041-0.0094%	0.0036-0.0074%
				0							
2	Arapaho & Roosevelt	1,597,940	404	123	15	221,819	27,727	21-49	19-38	0.0013-0.0031%	0.0012-0.0024%
2	Bighorn	1,105,310	106	19	2	33,452	4,182	3-7	3-6	0.0003-0.0006%	0.0003-0.0005%
2	Black Hills	1,251,148	589	161	20	289,091	36,136	28-64	24-50	0.0022-0.0051%	0.0019-0.0040%
2	Grand Mesa Uncompahgre and Gunnison	2,965,320	252	61	8	109,297	13,662	11-24	9-19	0.0004-0.0008%	0.0003-0.0006%
2	Medicine Bow-Routt	2,892,559	540	474	59	853,602	106,700	83-188	72-148	0.0029-0.0065%	0.0025-0.0051%
2	Nebraska	1,054,075	173	6	1	11,532	1,442	1-3	1-2	0.0001-0.0003%	0.0001-0.0002%
2	Pike and San Isabel	2,757,586	890	304	38	547,857	68,482	53-121	46-95	0.0019-0.0044%	0.0017-0.0034%
2	Rio Grande	1,838,862	114	97	12	173,871	21,734	17-38	15-30	0.0009-0.0021%	0.0008-0.0016%
2	San Juan	1,865,618	620	269	34	484,464	60,558	47-107	41-84	0.0025-0.0057%	0.0022-0.0045%
2	Shoshone	2,439,091	157	291	36	523,740	65,468	51-115	44-91	0.0021-0.0047%	0.0018-0.0037%
2	White River	2,288,696	271	400	50	720,561	90,070	70-159	60-125	0.0031-0.0069%	0.0026-0.0055%
	Region 2 Subtotal	22,056,205	4,116	2,205	276	3,969,286	496,161	385-874	333-688	0.0017-0.0040%	0.0015-0.0031%
				0							

Region	Forest	acres	# fires 2012-2019	# retardant drops	Average drops per year	Total gallons 2012-2019	Average gallons per year	Acres of impact at 4 gpc	Acres of impact at 8 gpc	% USFS Land with fire retardant at 4 gpc	% USFS Land with fire retardant at 8 gpc
3	Apache-Sitgreaves	2,015,925	1093	131	16	235,089	29,386	23-52	23-41	0.0011-0.0026%	0.0010-0.0020%
3	Carson	1,491,916	508	46	6	83,413	10,427	8-18	8-14	0.0005-0.0012%	0.0005-0.0009%
3	Cibola	1,879,318	500	452	57	813,951	101,744	79-179	79-141	0.0042-0.0095%	0.0036-0.0075%
3	Coconino	1,844,098	1787	298	37	537,088	67,136	52-118	52-93	0.0028-0.0064%	0.0024-0.0050%
3	Coronado	1,719,928	609	1,179	147	2,123,058	265,382	206-468	206-368	0.0120-0.0272%	0.0103-0.0214%
3	Gila	3,269,965	812	466	58	838,779	104,847	81-185	81-145	0.0025-0.0057%	0.0021-0.0044%
3	Kaibab	1,543,675	805	61	8	110,178	13,772	11-24	11-19	0.0007-0.0016%	0.0006-0.0012%
3	Lincoln	1,095,603	298	293	37	527,713	65,964	51-116	51-92	0.0047-0.0106%	0.0040-0.0084%
3	Prescott	1,257,034	364	1,138	142	2,048,302	256,038	198-451	198-355	0.0158-0.0359%	0.0137-0.0282%
3	Santa Fe	1,546,059	600	339	42	610,190	76,274	59-134	59-106	0.0038-0.0087%	0.0033-0.0069%
3	Tonto	2,866,880	1289	1,420	177	2,555,214	319,402	248-563	249-443	0.0087-0.0196%	0.0075-0.0155%
	Region 3 Subtotal	20,530,401	8,665	5,824	728	10,482,975	1,310,372	878-1997	878-1572	0.0043-0.0097%	0.0037-0.0077%
				0							
4	Ashley	1,378,472	145	35	4	63,315	7,914	6-14	5-11	0.0004-0.0010%	0.0004-0.0008%
4	Boise	2,204,674	695	1,506	188	2,710,760	338,845	263-597	227-470	0.0119-0.0271%	0.0103-0.0213%
4	Bridger-Teton	3,432,162	300	714	89	1,284,666	160,583	124-283	108-223	0.0036-0.0082%	0.0031-0.0065%
4	Caribou-Targhee	2,899,406	324	63	8	113,397	14,175	11-25	10-20	0.0004-0.0009%	0.0003-0.0007%
4	Dixie	1,632,111	358	737	92	1,326,390	165,799	128-292	111-230	0.0078-0.0179%	0.0068-0.0141%
4	Fishlake	1,709,014	309	195	24	350,182	43,773	33-75	29-59	0.0019-0.0044%	0.0017-0.0035%
4	Humboldt-Toiyabe	6,253,933	810	1,205	151	2,169,855	271,232	210-478	182-376	0.0034-0.0076%	0.0029-0.0060%
4	Manti-La Sal	1,340,351	363	184	23	331,292	41,412	32-73	28-57	0.0024-0.0054%	0.0021-0.0043%
4	Payette	2,310,111	486	875	109	1,574,718	196,840	153-347	132-273	0.0066-0.0150%	0.0057-0.0118%
4	Salmon-Challis	4,355,403	383	440	55	791,114	98,889	77-174	66-137	0.0018-0.0040%	0.0015-0.0031%
4	Sawtooth	2,111,959	250	416	52	749,524	93,691	73-165	63-130	0.0035-0.0078%	0.0030-0.0062%
4	Uinta-Wasatch-Cache	2,158,851	657	1,536	192	2,765,419	345,677	128-291	111-229	0.0059-0.0135%	0.0051-0.0106%
	Region 4 Subtotal	31,786,447	5,080	7,906	988	14,230,632	1,778,829	1056-2401	914-1890	0.0033-0.0076%	0.0029-0.0059%

Region	Forest	acres	# fires 2012-2019	# retardant drops	Average drops per year	Total gallons 2012-2019	Average gallons per year	Acres of impact at 4 gpc	Acres of impact at 8 gpc	% USFS Land with fire retardant at 4 gpc	% USFS Land with fire retardant at 8 gpc
5	Angeles	668,279	1110	2,099	262	3,777,882	472,235	366-832	317-655	0.0548-0.1254%	0.0474-0.0980%
5	Cleveland	426,804	625	1,297	162	2,334,163	291,770	226-514	196-405	0.0530-0.1204%	0.0459-0.0949%
5	Eldorado	615,035	434	787	98	1,416,203	177,025	137-312	119-246	0.0223-0.0507%	0.0193-0.0400%
5	Inyo	1,987,906	367	494	62	889,980	111,248	86-196	75-154	0.0043-0.0099%	0.0038-0.0077%
5	Klamath	1,505,983	767	2,288	286	4,118,014	514,752	399-907	345-714	0.0265-0.0602%	0.0229-0.0474%
5	LTBMU	154,268	332	1	0	2,075	259	0	0	0.0000%	0.0000%
5	Lassen	1,154,416	329	333	42	599,516	74,940	58-132	50-104	0.0050-0.0114%	0.0043-0.0090%
5	Los Padres	1,780,182	253	5,160	645	9,287,593	1,160,949	900-2046	779-1611	0.0506-0.1149%	0.0438-0.0905%
5	Mendocino	918,349	136	412	52	741,948	92,744	72-163	62-129	0.0078-0.0177%	0.0068-0.0140%
5	Modoc	1,679,173	709	1,071	134	1,927,851	240,981	187-425	162-334	0.0111-0.0253%	0.0096-0.0199%
5	Plumas	1,205,685	794	1,021	128	1,838,511	229,814	178-405	154-319	0.0148-0.0336%	0.0128-0.0265%
5	San Bernardino	673,294	1069	3,313	414	5,962,980	745,373	578-1314	500-1034	0.0858-0.1952%	0.0743-0.1536%
5	Sequoia	1,114,954	436	2,097	262	3,773,826	471,728	366-831	317-655	0.0239-0.0745%	0.0261-0.0587%
5	Shasta-Trinity	2,139,325	999	1,927	241	3,467,858	433,482	336-764	291-601	0.0157-0.0357%	0.136-0.0281%
5	Sierra	1,316,193	504	3,712	464	6,681,406	835,176	647-1472	560-1159	0.0492-0.1118%	0.0425-0.0881%
5	Six Rivers	1,167,659	438	785	98	1,412,888	176,611	137-311	119-245	0.0117-0.0266%	0.0102-0.0210%
5	Stanislaus	898,739	440	1,475	184	2,655,013	331,877	257-585	223-460	0.0286-0.0651%	0.0248-0.0512%
5	Tahoe	854,807	673	442	55	795,873	99,484	77-175	67-138	0.0090-0.0205%	0.0078-0.0161%
	Region 5 Subtotal	20,261,051	10,415	28,713	3,589	51,683,580	6,460,448	5007-11387	4335-8964	0.0247-0.0562%	0.0214-0.0442%
6	Columbia River Gorge	83,339	138	10	1	17,248	2,156	2-4	1-3	0.0024-0.0048%	0.0012-0.0036%
6	Colville	1,104,904	355	242	30	434,907	54,363	42-96	36-75	0.0038-0.0087%	0.0033-0.0068%
6	Deschutes and Ochoco	2,338,099	1856	719	90	1,294,840	161,855	125-285	109-225	0.0053-0.0122%	0.0047-0.0096%
6	Fremont-Winema	2,253,654	809	248	31	445,661	55,708	43-98	37-77	0.0019-0.0043%	0.0016-0.0034%
6	Gifford Pinchot	1,357,447	262	114	14	204,580	25,573	20-45	17-35	0.0015-0.0033%	0.0013-0.0026%
6	Malheur	1,722,070	787	526	66	946,825	118,353	92-209	79-164	0.0053-0.0121%	0.0046-0.0095%
6	Mt. Baker-Snoqualmie	1,762,266	384	0	0	0	0	0	0	0.0000%	0.0000%
6	Mt Hood	1,015,873	644	56	7	100,219	12,527	10-22	8-17	0.0010-0.0022%	0.0008-0.0017%
6	Okanagon-Wenatchee	4,010,517	1003	1,653	207	2,975,955	371,994	288-656	250-516	0.0072-0.0164%	0.0062-0.0129%
6	Olympic	632,646	59	0	0	0	0	0	0	0.0000%	0.0000%
6	Rogue River-Siskiyou	1,719,305	721	1,118	140	2,012,446	251,556	195-443	169-349	0.0113-0.0258%	0.0098-0.0203%
6	Siuslaw	630,204	122	0	0	0	0	0	0	0.0000%	0.0000%
6	Umatilla	1,404,806	547	393	49	707,359	88,420	69-156	59-123	0.0049-0.0111%	0.0042-0.0088%
6	Umpqua	986,610	593	233	29	419,817	52,477	41-92	35-73	0.0042-0.0093%	0.0035-0.0074%
6	Wallowa-Whitman	2,403,487	733	610	76	1,098,137	137,267	106-242	92-190	0.0044-0.0101%	0.0038-0.0079%
6	Willamette	1,689,648	880	88	11	158,428	19,804	15-35	13-27	0.0009-0.0021%	0.0008-0.0016%
	Region 6 Subtotal	25,114,875	9,893	6,009	751	10,816,422	1,352,053	1048-2383	907-1876	0.0042-0.0095%	0.0036-0.0075%

Region	Forest	acres	# fires 2012-2019	# retardant drops	Average drops per year	Total gallons 2012-2019	Average gallons per year	Acres of impact at 4 gpc	Acres of impact at 8 gpc	% USFS Land with fire retardant at 4 gpc	% USFS Land with fire retardant at 8 gpc
8	Chattahoochee-Oconee	867,578	283	10	1	17,420	2,178	2-3	1-3	0.0002-0.0005%	0.0001-0.0003%
8	Cherokee	660,211	208	11	1	19,954	2,494	2-4	2-3	0.0003-0.0006%	0.0003-0.0005%
8	Daniel Boone	709,856	383	0	0	0	0	0	0	0.0000%	0.0000%
8	El Yunque	28,805	0	0	0	0	0	0	0	0.0000%	0.0000%
8	Francis Marion & Sumter	635,197	251	0	0	0	0	0	0	0.0000%	0.0000%
8	George Washington and Jefferson	1,799,145	185	0	0	0	0	0	0	0.0000%	0.0000%
8	Kisatchie	608,535	326	0	0	0	0	0	0	0.0000%	0.0000%
8	Land Between the Lakes NRA	171,239	29	0	0	0	0	0	0	0.0000%	0.0000%
8	NFs in Alabama	671,667	302	0	0	0	0	0	0	0.0000%	0.0000%
8	NFs in Florida	1,203,415	679	55	7	99,660	12,458	10-22	8-17	0.0008-0.0018%	0.0007-0.0014%
8	NFs in Mississippi	1,191,206	563	0	0	0	0	0	0	0.0000%	0.0000%
8	NFs in North Carolina	1,256,188	685	11	1	19,583	2,448	2-4	2-3	0.0002-0.0003%	0.0002-0.0002%
8	NF in Texas	677,696	289	6	1	11,200	1,400	1-2	1-2	0.0001-0.0003%	0.0001-0.0003%
8	Ouachita	1,783,951	418	0	0	0	0	0	0	0.0000%	0.0000%
8	Ozark-St. Francis	1,160,921	266	0	0	0	0	0	0	0.0000%	0.0000%
	Region 8 Subtotal	13,425,610	4,867	93	12	167,817	20,977	16-37	14-29	0.0001-0.0003%	0.0001-0.0002%
				0							
9	Allegheny	513,794	51	0	0	0	0	0	0	0.0000%	0.0000%
9	Chequamegon-Nicolet	1,525,127	146	0	0	0	0	0	0	0.0000%	0.0000%
9	Chippewa	672,128	253	6	1	10,796	1,350	1-2	1-2	0.0001-0.0003%	0.0001-0.0003%
9	Green Mountain and Finger Lakes	427,053	32	0	0	0	0	0	0	0.0000%	0.0000%
9	Hiawatha	898,451	98	0	0	0	0	0	0	0.0000%	0.0000%
9	Hoosier	204,274	104	0	0	0	0	0	0	0.0000%	0.0000%
9	Huron-Manistee	978,891	859	0	0	0	0	0	0	0.0000%	0.0000%
9	Mark Twain	1,507,887	848	10	1	18,170	2,271	2-4	2-3	0.0001-0.0003%	0.0001-0.0002%
9	Midewin	18,225	10	0	0	0	0	0	0	0.0000%	0.0000%
9	Monongahela	920,783	40	0	0	0	0	0	0	0.0000%	0.0000%
9	Ottawa	998,994	48	0	0	0	0	0	0	0.0000%	0.0000%
9	Shawnee	286,311	125	0	0	0	0	0	0	0.0000%	0.0000%
9	Superior	2,173,267	227	47	6	84,126	10,516	8-19	7-15	0.0004-0.0009%	0.0003-0.0007%
9	Wayne	244,258	348	0	0	0	0	0	0	0.0000%	0.0000%
9	White Mountain	807,799	45	0	0	0	0	0	0	0.0000%	0.0000%
	Region 9 Subtotal	12,177,242	3,234	63	8	113,092	14,137	44,160	9-20	0.0001-0.0002%	0.0001-0.0002%
10	Chugach	5,400,752	48	0	0	0	0	0	0	0.0000%	0.0000%
10	Tongass	16,747,705	67	0	0	0	0	0	0	0.0000%	0.0000%

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	Region 10 subtotal	22,148,457	115	0	0	0	0	0	0	0.0000%	0.0000%
TOTAL		192,950,107	52,783	56,868	7,108	102,362,031	12,795,254	9916-22552	8586-17753	0.0051-0.0117%	0.0044-0.0092%

Appendix C - Fire Retardant Us												
From 2011 EIS												
Region	Forest	acres	# Fires 2000-2010	# retardant drops 2000-2010	average drops per year	Total Gallons 2000-2010 (11 years)	Average gallons per year	Acres of impact at 4 gpc	Acres of impact at 8 gpc	% USFS lands with fire retardant at 4 gpc	% USFS land with fire retardant at 8 gpc	
1	Beaverhead-Deerlodge	3,357,832	575	402	37		91,366	52	26	0.0015%	0.0008%	
1	Bitterroot	1,587,070	1,016	233	21		52,974	30	15	0.0019%	0.0009%	
1	Custer Gallatin	3,007,645	1,014	810	73		184,241	106	53	0.0035%	0.0018%	
1	Dakota Prairie grasslands	1,260,817	272							0.0000%	0.0000%	
1	Flathead	2,404,892	806	722	66		164,110	94	47	0.0039%	0.0020%	
1	Helena-Lewis and Clark	2,846,525	706	743	68		168,825	97	48	0.0034%	0.0017%	
1	Idaho-Panhandle	3,221,685	1,344	530	48		120,451	69	35	0.0021%	0.0011%	
1	Kootenai	1,812,425	1,424	80	7		18,204	10	5	0.0006%	0.0003%	
1	Lolo	2,196,314	1,427	297	27		67,589	39	19	0.0018%	0.0009%	
1	Nez Perce - Clearwater	3,904,128	2,119	264	24		59,857	34	18	0.0009%	0.0005%	
	Region 1 Subtotal	25,599,333	10,703	4,082	371	10,203,789	927,617	532	266	0.0021%	0.0010%	
2	Arapaho & Roosevelt	1,538,474	573	99	9		22,555	13	6	0.0008%	0.0004%	
2	Bighorn	1,107,571	156	19	2		4,360	3	1	0.0003%	0.0001%	
2	Black Hills	1,534,471	1,156	102	9		23,176	13	7	0.0008%	0.0005%	
2	Grand Mesa Uncompahgre and Gunnison	2,974,462	506	27	2		6,127	4	2	0.0001%	0.0001%	
2	Medicine Bow-Routt	2,222,323	770	119	11		26,948	15	8	0.0007%	0.0004%	
2	Nebraska	141,864	259	37	3		8,351	5	2	0.0035%	0.0014%	
2	Pike and San Isabel	2,230,898	1,210	336	31		76,328	44	22	0.0020%	0.0010%	
2	Rio Grande	1,823,403	186	18	2		4,038	2	1	0.0001%	0.0001%	
2	San Juan	1,878,852	1,037	186	17		42,297	24	12	0.0013%	0.0006%	
2	Shoshone	2,437,731	289	49	4		11,163	6	3	0.0002%	0.0001%	
2	White River	2,286,192	449	110	10		24,978	14	7	0.0006%	0.0003%	
	Region 2 Subtotal	20,176,241	6,591	1,101	100	2,753,524	250,320	144	72	0.0007%	0.0004%	

Region	Forest	acres	# Fires 2000-2010	# retardant drops 2000-2010	average drops per year	Total Gallons 2000-2010 (11 years)	Average gallons per year	Acres of impact at 4 gpc	Acres of impact at 8 gpc	% USFS lands with fire retardant at 4 gpc	% USFS land with fire retardant at 8 gpc		
3	Apache-Sitgreaves	2,632,350	2,475	390	35		88,609	51	25	0.0019%	0.0009%		
3	Carson	1,391,674	751	69	6		15,671	9	4	0.0006%	0.0003%		
3	Cibola	1,633,783	1,090	699	64		158,826	91	46	0.0056%	0.0028%		
3	Coconino	1,855,955	4,074	311	28		70,662	41	20	0.0022%	0.0011%		
3	Coronado	1,786,620	1,035	1,429	130		324,770	186	93	0.0104%	0.0052%		
3	Gila	2,710,338	2,077	1,276	116		290,078	166	83	0.0061%	0.0031%		
3	Kaibab	1,560,165	1,909	180	16		40,853	23	12	0.0015%	0.0008%		
3	Lincoln	1,103,897	505	765	70		173,920	100	50	0.0091%	0.0045%		
3	Prescott	1,239,791	835	777	71		176,693	101	51	0.0081%	0.0041%		
3	Santa Fe	1,566,141	1,395	666	61		151,312	87	43	0.0056%	0.0027%		
3	Tonto	2,872,876	2,451	988	90		224,557	129	64	0.0045%	0.0022%		
	Region 3 Subtotal	20,353,590	18,597	7,550	686	18,875,476	1,715,952	985	492	0.0048%	0.0024%		
4	Ashley	1,382,346	252	67	6		15,160	9	4	0.0007%	0.0003%		
4	Boise	2,654,004	1,495	750	68		170,559	98	49	0.0037%	0.0018%		
4	Bridger-Teton	3,402,684	738	107	10		24,287	14	7	0.0004%	0.0002%		
4	Caribou-Targhee	2,630,716	654	174	16		39,547	23	11	0.0009%	0.0004%		
4	Dixie	1,888,507	1,062	261	24		59,234	34	17	0.0018%	0.0009%		
4	Fishlake	1,461,226	575	189	17		43,029	25	12	0.0017%	0.0008%		
4	Humboldt-Toiyabe	5,639,195	1,609	385	35		87,476	50	25	0.0009%	0.0004%		
4	Manti-La Sal	1,270,886	699	163	15		36,959	21	11	0.0017%	0.0009%		
4	Payette	2,327,541	889	1,007	92		228,755	131	66	0.0056%	0.0028%		
4	Salmon-Challis	4,235,940	842	375	34		85,128	49	24	0.0012%	0.0006%		
4	Sawtooth	1,804,090	398	338	31		76,718	44	22	0.0024%	0.0012%		
4	Uinta-Wasatch-Cache	2,494,912	1,021	383	35		87,117	50	25	0.0020%	0.0010%		
	Region 4 Subtotal	31,192,047	10,234	4,197	382	10,493,664	953,969	548	274	0.0018%	0.0009%		

Region	Forest	acres	# Fires 2000-2010	# retardant drops 2000-2010	average drops per year	Total Gallons 2000-2010 (11 years)	Average gallons per year	Acres of impact at 4 gpc	Acres of impact at 8 gpc	% USFS lands with fire retardant at 4 gpc	% USFS land with fire retardant at 8 gpc		
5	Angeles	668,727	1,240	1,257	114		285,573	164	82	0.0245%	0.0123%		
5	Cleveland	439,035	762	314	29		71,358	41	20	0.0093%	0.0046%		
5	Eldorado	686,667	961	30	3		6,887	4	2	0.0006%	0.0003%		
5	Inyo	1,948,726	568	108	10		24,541	14	7	0.0007%	0.0004%		
5	Klamath	1,737,774	1,159	271	25		61,496	35	18	0.0020%	0.0010%		
5	LTBMU	150,000	435	31	3		7,088	4	2	0.0027%	0.0013%		
5	Lassen	1,070,992	706	222	20		50,404	29	14	0.0027%	0.0013%		
5	Los Padres	1,762,700	433	2,811	256		638,947	367	183	0.0208%	0.0104%		
5	Mendocino	911,733	307	453	41		102,997	59	30	0.0065%	0.0033%		
5	Modoc	1,663,401	1,055	224	20		51,004	29	15	0.0017%	0.0009%		
5	Plumas	1,176,005	1,093	530	48		120,546	69	35	0.0059%	0.0030%		
5	San Bernardino	677,628	1,463	1,607	146		365,271	210	105	0.0310%	0.0155%		
5	Sequoia	1,144,296	668	978	89		222,385	128	64	0.0112%	0.0056%		
5	Shasta-Trinity	2,210,368	1,597	1,330	121		302,235	173	87	0.0078%	0.0039%		
5	Sierra	1,311,833	1,006	237	22		53,845	31	15	0.0024%	0.0011%		
5	Six Rivers	998,540	786	234	21		53,292	31	15	0.0031%	0.0015%		
5	Stanislaus	898,121	767	393	36		89,274	51	26	0.0057%	0.0029%		
5	Tahoe	878,030	878	235	21		53,380	31	15	0.0035%	0.0017%		
	Region 5 Subtotal	20,334,576	15,884	11,266	1,024	28,165,743	2,560,522	1470	735	0.0072%	0.0036%		
6	Columbia River Gorge	72,810	12	24	2		5,375	3	2	0.0041%	0.0027%		
6	Colville	954,410	531	147	13		33,328	19	10	0.0020%	0.0010%		
6	Deschutes and Ochoco	2,447,932	3,113	848	77		192,633	111	55	0.0045%	0.0022%		
6	Fremont-Winema	2,252,587	1,385	1,218	111		276,773	159	79	0.0071%	0.0035%		
6	Gifford Pinchot	1,321,506	357	65	6		14,794	8	4	0.0006%	0.0003%		
6	Malheur	1,465,286	1,592	231	21		52,456	30	15	0.0020%	0.0010%		
6	Mt. Baker-Snoqualmie	2,560,903	439	3	0		703	0	0	0.0000%	0.0000%		
6	Mt Hood	1,071,442	694	167	15		37,899	22	11	0.0021%	0.0010%		
6	Okanagon-Wenatchee	3,237,440	1,702	1,458	133		331,364	190	95	0.0059%	0.0029%		
6	Olympic	633,577	91	4	0		1,021	1	0	0.0002%	0.0000%		
6	Rogue River-Siskiyou	1,723,179	755	284	26		64,569	37	19	0.0021%	0.0011%		
6	Siuslaw	634,210	95	135	12		30,662	18	9	0.0028%	0.0014%		
6	Umatilla	1,407,087	992	392	36		89,048	51	26	0.0036%	0.0018%		
6	Umpqua	983,129	766	128	12		29,044	17	8	0.0017%	0.0008%		
6	Wallowa-Whitman	2,266,075	1,134	730	66		165,967	95	48	0.0042%	0.0021%		
6	Willamette	1,678,037	1,176	332	30		75,394	43	22	0.0026%	0.0013%		
	Region 6 Subtotal	24,709,610	14,834	6,165	560	15,411,352	1,401,032	804	402	0.0033%	0.0016%		

Region	Forest	acres	# Fires 2000-2010	# retardant drops 2000-2010	average drops per year	Total Gallons 2000-2010 (11 years)	Average gallons per year	Acres of impact at 4 gpc	Acres of impact at 8 gpc	% USFS lands with fire retardant at 4 gpc	% USFS land with fire retardant at 8 gpc		
8	Chattahoochee-Oconee	866,416	627										
8	Cherokee	654,169	653	441	40		100,215	58	29	0.0089%	0.0044%		
8	Daniel Boone	560,787	894	46	4		10,497	6	3	0.0011%	0.0005%		
8	El Yunque	28,434		0	0	0	0	0	0	0.0000%	0.0000%		
8	Francis Marion & Sumter	629,765	796	12	1		2,649	2	1	0.0003%	0.0002%		
8	George Washington and Jefferson	1,795,084	403	51	5		11,698	7	3	0.0004%	0.0002%		
8	Kisatchie	603,393	663	19	2		4,210	2	1	0.0003%	0.0002%		
8	Land Between the Lakes												
8	NRA	170,310	16							0.0000%	0.0000%		
8	NFs in Alabama	670,076	571							0.0000%	0.0000%		
8	NFs in Florida	1,110,416	1,383	470	43		106,886	61	31	0.0055%	0.0028%		
8	NFs in Mississippi	1,172,531	1,197	4	0		941	1	0	0.0001%	0.0000%		
8	NFs in North Carolina	1,254,523	1,168	206	19		46,773	27	13	0.0022%	0.0010%		
8	NF in Texas	512,882	517	10	1		2,383	1	1	0.0002%	0.0002%		
8	Ouachita	1,788,429	818	135	12		30,719	18	9	0.0010%	0.0005%		
8	Ozark-St. Francis	1,160,183	459	92	8		20,889	12	6	0.0010%	0.0005%		
	Region 8 Subtotal	13,356,285	10,165	1,487	135	3,716,469	337,861	194	97	0.0015%	0.0007%		
9	Allegheny	513,175	111							0.0000%	0.0000%		
9	Chequamegon-Nicolet	1,533,478	443							0.0000%	0.0000%		
9	Chippewa	666,623	607	30	3		6,841	4	2	0.0006%	0.0003%		
9	Green Mountain and Finger Lakes	414,133	16							0.0000%	0.0000%		
9	Hiawatha	894,797	129							0.0000%	0.0000%		
9	Hoosier	202,777	286							0.0000%	0.0000%		
9	Huron-Manistee	978,906	942	1	0		236	0	0	0.0000%	0.0000%		
9	Mark Twain	1,491,647	1,730	1	0		236	0	0	0.0000%	0.0000%		
9	Midewin	18,226	13							0.0000%	0.0000%		
9	Monongahela	920,068	106							0.0000%	0.0000%		
9	Ottawa	992,970	60							0.0000%	0.0000%		
9	Shawnee	266,004	234							0.0000%	0.0000%		
9	Superior	2,095,942	626	268	24		60,849	35	17	0.0017%	0.0008%		
9	Wayne	240,090	482							0.0000%	0.0000%		
9	White Mountain	750,548	50							0.0000%	0.0000%		
	Region 9 Subtotal	11,979,384	5,835	300	27	749,790	68,163	39	20	0.0003%	0.0002%		
10	Chugach	5,382,465	94							0.0000%	0.0000%		
10	Tongass	16,573,785	265							0.0000%	0.0000%		

Region	Forest	acres	# Fires 2000-2010	# retardant drops 2000-2010	average drops per year	Total Gallons 2000-2010 (11 years)	Average gallons per year	Acres of impact at 4 gpc	Acres of impact at 8 gpc	% USFS lands with fire retardant at 4 gpc	% USFS land with fire retardant at 8 gpc		
	Region 10 subtotal	21,956,250	359	0	0	0	0	0	0	0.0000%	0.0000%		
TOTAL		192,909,421	93,202	36,148	3,267	90,369,807	8,215,437	4715	2358	0.0024%	0.0012%		

	high	low	high	low	high
446	921	0.0152%	0.0345%	0.0131%	0.0271%
391	808	0.0283%	0.0644%	0.0245%	0.0507%
213	440	0.0081%	0.0184%	0.0070%	0.0145%
7	15	0.0006%	0.0014%	0.0006%	0.0012%
68	140	0.0032%	0.0073%	0.0028%	0.0058%
874	1,807	0.0354%	0.0804%	0.0306%	0.0633%
584	1,208	0.0270%	0.0614%	0.0234%	0.0484%
468	968	0.0241%	0.0548%	0.0209%	0.0432%
3,378	6,984	0.1760%	0.4003%	0.1524%	0.3151%
885	1,831	0.0260%	0.0591%	0.0225%	0.0465%
7,313	15,121	0.0332%	0.0755%	0.0287%	0.0594%
149	308	0.0108%	0.0245%	0.0093%	0.0193%
22	46	0.0024%	0.0053%	0.0020%	0.0042%
194	401	0.0179%	0.0408%	0.0155%	0.0321%
73	152	0.0029%	0.0065%	0.0025%	0.0051%
573	1,184	0.0229%	0.0520%	0.0198%	0.0409%
8	16	0.0009%	0.0019%	0.0008%	0.0015%
368	760	0.0154%	0.0350%	0.0133%	0.0276%
117	241	0.0073%	0.0166%	0.0064%	0.0131%
325	672	0.0201%	0.0458%	0.0174%	0.0360%
351	727	0.0166%	0.0378%	0.0144%	0.0298%
484	1,000	0.0244%	0.0555%	0.0211%	0.0437%
2,664	5,507	0.0139%	0.0317%	0.0121%	0.0250%
158	326	0.0090%	0.0205%	0.0078%	0.0162%
56	116	0.0044%	0.0099%	0.0038%	0.0078%

	low	high	low	high	low	high	low	high
	146	333	127	262	0.0043%	0.0098%	0.0037%	0.0077%
	288	655	249	515	0.0181%	0.0411%	0.0156%	0.0323%
	163	370	141	291	0.0054%	0.0122%	0.0046%	0.0096%
	5	11	4	8	0.0004%	0.0009%	0.0003%	0.0006%
	38	85	33	67	0.0016%	0.0035%	0.0014%	0.0028%
	443	1,007	383	792	0.0155%	0.0353%	0.0134%	0.0277%
	372	847	323	667	0.0149%	0.0339%	0.0129%	0.0267%
	276	627	239	493	0.0123%	0.0280%	0.0107%	0.0220%
	2913	6,624	2,522	5,215	0.1314%	0.2989%	0.1138%	0.2353%
	173	394	150	310	0.0044%	0.0100%	0.0038%	0.0079%
	3,964	9,015	3,432	7,097	0.0156%	0.0354%	0.0135%	0.0279%
	84	192	73	151	0.0053%	0.0120%	0.0046%	0.0094%
	22	50	1	40	0.0020%	0.0045%	0.0001%	0.0036%
	109	249	95	196	0.0087%	0.0199%	0.0076%	0.0157%
	52	118	45	93	0.0018%	0.0040%	0.0015%	0.0031%
	387	880	335	692	0.0134%	0.0304%	0.0116%	0.0239%
	4	8	3	6	0.0004%	0.0008%	0.0003%	0.0006%
	168	382	146	301	0.0061%	0.0139%	0.0053%	0.0109%
	80	181	69	143	0.0044%	0.0098%	0.0038%	0.0078%
	222	505	192	398	0.0119%	0.0271%	0.0103%	0.0213%
	266	605	230	477	0.0109%	0.0248%	0.0094%	0.0196%
	408	928	353	730	0.0178%	0.0405%	0.0154%	0.0319%
	1,177	2,677	1,019	2,107	0.0053%	0.0121%	0.0046%	0.0096%
	61	138	53	109	0.0030%	0.0068%	0.0026%	0.0054%
	34	76	29	60	0.0023%	0.0051%	0.0019%	0.0040%

7,035	14,545	0.0396%	0.0900%	0.0343%	0.0708%
42	88	0.0036%	0.0081%	0.0030%	0.0064%
1,819	3,761	0.0953%	0.2167%	0.0825%	0.1706%
862	1,782	0.0290%	0.0660%	0.0251%	0.0519%
76	157	0.0030%	0.0069%	0.0026%	0.0054%
890	1,840	0.0630%	0.1433%	0.0545%	0.1127%
235	486	0.0159%	0.0361%	0.0138%	0.0284%
1,456	3,011	0.0269%	0.0611%	0.0233%	0.0481%
222	460	0.0192%	0.0436%	0.0166%	0.0343%
1,057	2,185	0.0528%	0.1201%	0.0458%	0.0946%
531	1,098	0.0141%	0.0320%	0.0122%	0.0252%
503	1,040	0.0275%	0.0627%	0.0238%	0.0492%
1,856	3,837	0.0993%	0.2258%	0.0860%	0.1777%
9,550	19,745	0.0347%	0.0789%	0.0300%	0.0621%
2,535	5,242	0.4381%	0.9964%	0.3793%	0.7844%
1,566	3,239	0.4238%	0.9639%	0.3669%	0.7589%
950	1,965	0.1785%	0.4058%	0.1545%	0.3195%
597	1,235	0.0347%	0.0789%	0.0300%	0.0621%
2,763	5,714	0.2119%	0.4819%	0.1835%	0.3794%
1	3	0.0013%	0.0026%	0.0006%	0.0019%
402	832	0.0403%	0.0916%	0.0348%	0.0721%
5,233	12,887	0.4043%	0.9195%	0.3501%	0.7239%
498	1,029	0.0626%	0.1424%	0.0542%	0.1120%
1,294	2,675	0.0890%	0.2024%	0.0771%	0.1593%
1,234	2,551	0.1182%	0.2687%	0.1023%	0.2116%
4,002	8,274	0.6863%	1.5610%	0.5944%	1.2289%
2,532	5,236	0.2623%	0.5965%	0.2271%	0.4696%
2,327	4,812	0.1256%	0.2857%	0.1088%	0.2249%
4,484	9,270	0.3934%	0.8947%	0.3407%	0.7043%
948	1,960	0.0938%	0.2132%	0.0812%	0.1679%
1,782	3,684	0.2290%	0.5206%	0.1983%	0.4099%
534	1,104	0.0722%	0.1641%	0.0625%	0.1292%
4,683	71,711	0.1977%	0.4496%	0.1712%	0.3539%

2,372	5,394	2,054	4,246	0.0116%	0.0263%	0.0100%	0.0207%
25	56	21	44	0.0018%	0.0041%	0.0015%	0.0032%
845	1,921	731	1,512	0.0383%	0.0871%	0.0332%	0.0686%
853	1,939	738	1,526	0.0249%	0.0565%	0.0215%	0.0445%
22	49	19	39	0.0008%	0.0017%	0.0007%	0.0013%
452	1,029	392	810	0.0277%	0.0630%	0.0240%	0.0496%
108	247	94	194	0.0063%	0.0145%	0.0055%	0.0114%
619	1,408	536	1,109	0.0099%	0.0225%	0.0086%	0.0177%
231	526	200	414	0.0172%	0.0392%	0.0149%	0.0309%
287	653	249	514	0.0124%	0.0283%	0.0108%	0.0223%
241	549	209	432	0.0055%	0.0126%	0.0048%	0.0099%
185	420	160	331	0.0088%	0.0199%	0.0076%	0.0157%
1005	2,285	870	1,799	0.0466%	0.1058%	0.0403%	0.0833%
3,393	7,717	2,938	6,075	0.0107%	0.0243%	0.0092%	0.0191%
1257	2,858	1,088	2,250	0.1881%	0.4277%	0.1628%	0.3367%
187	425	162	334	0.0438%	0.0996%	0.0380%	0.0783%
857	1,948	742	1,534	0.1393%	0.3167%	0.1206%	0.2494%
36	83	31	65	0.0018%	0.0042%	0.0016%	0.0033%
528	1,201	457	946	0.0351%	0.0797%	0.0303%	0.0628%
2	4	1	3	0.0013%	0.0026%	0.0006%	0.0019%
174	396	151	312	0.0151%	0.0343%	0.0131%	0.0270%
5140	11,690	4,451	9,203	0.2887%	0.6567%	0.2500%	0.5170%
276	627	239	494	0.0301%	0.0683%	0.0260%	0.0538%
743	1,690	644	1,331	0.0442%	0.1006%	0.0384%	0.0793%
423	961	366	756	0.0351%	0.0797%	0.0304%	0.0627%
1021	2,323	884	1,828	0.1516%	0.3450%	0.1313%	0.2715%
867	1,972	751	1,552	0.0778%	0.1769%	0.0674%	0.1392%
727	1,654	630	1,302	0.0340%	0.0773%	0.0294%	0.0609%
905	2,059	784	1,620	0.0688%	0.1564%	0.0596%	0.1231%
469	1,068	407	841	0.0402%	0.0915%	0.0349%	0.0720%
1692	3,848	1,465	3,029	0.1883%	0.4282%	0.1630%	0.3370%
454	1,033	393	813	0.0531%	0.1208%	0.0460%	0.0951%
9,753	22,181	8,445	17,461	0.0481%	0.1095%	0.0417%	0.0862%

0	139	0.0077%	1770.0000%	0.0000%	0.0137%
67	4,129	0.0575%	1821.1806%	10.2134%	0.1030%
0	0	0.0000%	#DIV/0!	#DIV/0!	0.0000%
1,350	2,792	0.0907%	0.2063%	0.0785%	0.1624%
0	0	0.0000%	0.0000%	0.0000%	0.0000%
475	981	0.0390%	0.0888%	0.0338%	0.0698%
282	582	0.0329%	0.0750%	0.0286%	0.0590%
737	1,524	0.0354%	0.0805%	0.0307%	0.0634%
106	220	0.0073%	0.0165%	0.0063%	0.0130%
7,259	15,008	0.0334%	0.0759%	0.0289%	0.0598%
12	24	0.0016%	0.0036%	0.0014%	0.0028%
13	28	0.0023%	0.0053%	0.0020%	0.0042%
		0.0000%	0.0000%	0.0000%	0.0000%
		0.0000%	0.0000%	0.0000%	0.0000%
		0.0000%	0.0000%	0.0000%	0.0000%
		0.0000%	0.0000%	0.0000%	0.0000%
		0.0000%	0.0000%	0.0000%	0.0000%
		0.0000%	0.0000%	0.0000%	0.0000%
		0.0000%	0.0000%	0.0000%	0.0000%
67	138	0.0064%	0.0146%	0.0056%	0.0115%
		0.0000%	0.0000%	0.0000%	0.0000%
13	27	0.0012%	0.0028%	0.0010%	0.0021%
8	16	0.0013%	0.0030%	0.0012%	0.0024%
		0.0000%	0.0000%	0.0000%	0.0000%
		0.0000%	0.0000%	0.0000%	0.0000%
113	233	0.0010%	0.0022%	0.0008%	0.0017%

	41	92	35	73	0.0040%	0.0091%	0.0034%	0.0072%
	1025	2,330	887	1,835	0.0256%	0.0581%	0.0221%	0.0458%
	0	0	0	0	0.0000%	0.0000%	0.0000%	0.0000%
	623	1,418	540	1,116	0.0362%	0.0825%	0.0314%	0.0649%
	0	0	0	0	0.0000%	0.0000%	0.0000%	0.0000%
	229	521	198	410	0.0163%	0.0371%	0.0141%	0.0292%
	121	275	105	216	0.0123%	0.0279%	0.0106%	0.0219%
	227	517	197	407	0.0094%	0.0215%	0.0082%	0.0169%
	58	132	50	104	0.0034%	0.0078%	0.0030%	0.0062%
	1,995	4,538	1,728	3,572	0.0079%	0.0181%	0.0069%	0.0142%
	14	31	12	24	0.0016%	0.0036%	0.0014%	0.0028%
	15	35	13	28	0.0023%	0.0053%	0.0020%	0.0042%
					0.0000%	0.0000%	0.0000%	0.0000%
					0.0000%	0.0000%	0.0000%	0.0000%
					0.0000%	0.0000%	0.0000%	0.0000%
					0.0000%	0.0000%	0.0000%	0.0000%
					0.0000%	0.0000%	0.0000%	0.0000%
					0.0000%	0.0000%	0.0000%	0.0000%
					0.0000%	0.0000%	0.0000%	0.0000%
	50	113	43	89	0.0042%	0.0094%	0.0036%	0.0074%
					0.0000%	0.0000%	0.0000%	0.0000%
	15	35	13	27	0.0012%	0.0028%	0.0010%	0.0021%
	9	20	8	16	0.0013%	0.0030%	0.0012%	0.0024%
					0.0000%	0.0000%	0.0000%	0.0000%
					0.0000%	0.0000%	0.0000%	0.0000%
	50	113	43	89	0.0004%	0.0008%	0.0003%	0.0007%

		0.0000%	0.0000%	0.0000%	0.0000%
		0.0000%	0.0000%	0.0000%	0.0000%
		0.0000%	0.0000%	0.0000%	0.0000%
56	117	0.0030%	0.0068%	0.0026%	0.0054%
		0.0000%	0.0000%	0.0000%	0.0000%
		0.0000%	0.0000%	0.0000%	0.0000%
76	157	0.0007%	0.0016%	0.0006%	0.0013%
		0.0000%	0.0000%	0.0000%	0.0000%
		0.0000%	0.0000%	0.0000%	0.0000%
		0.0000%	0.0000%	0.0000%	0.0000%
691	142,027	0.0411%	0.0935%	0.0356%	0.0736%

					0.0000%	0.0000%	0.0000%	0.0000%
					0.0000%	0.0000%	0.0000%	0.0000%
					0.0000%	0.0000%	0.0000%	0.0000%
	57	130	49	102	0.0026%	0.0060%	0.0023%	0.0047%
					0.0000%	0.0000%	0.0000%	0.0000%
					0.0000%	0.0000%	0.0000%	0.0000%
	59	134	51	105	0.0005%	0.0011%	0.0004%	0.0009%
					0.0000%	0.0000%	0.0000%	0.0000%
					0.0000%	0.0000%	0.0000%	0.0000%
					0.0000%	0.0000%	0.0000%	0.0000%
	14,742	33,526	12,765	26,393	0.0076%	0.0174%	0.0066%	0.0137%

547	571,150	1,302,675	162,834		93	47	521	724	0.750	0	571,150
485	146,073	870,343	108,793		62	31	348	484	0.875	0	480,607
248	0	697,339	87,167		50	25	279	387	0.625	0	355,527
939	8,547	5,033,651	629,206		361	181	2,013	2,796	1.000	8,547	3,758,272
765	62,970	1,319,283	164,910		95	47	528	733	1.000	30,766	223,372
317	803,104	10,898,227	1,362,278		782	391	4,359	6,055	1.000	376,054	5,114,734
759	0	221,819	27,727		16	8	89	123	0.625	0	108,759
0	0	33,452	4,182		2	1	13	19	0.500	0	28,540
0	0	289,091	36,136		21	10	116	161	0.500	0	140,995
961	0	109,297	13,662		8	4	44	61	0.500	0	66,961
099	12,969	853,602	106,700		61	31	341	474	1.000	3,340	499,099
0	0	11,532	1,442		1	0	5	6	0.375	0	4,625
345	14,245	547,857	68,482		39	20	219	304	0.750	0	216,994
962	102,974	173,871	21,734		12	6	70	97	0.375	0	102,972
232	48,435	484,464	60,558		35	17	194	269	0.875	0	286,528
0	0	523,740	65,468		38	19	209	291	0.750	0	343,438
459	48,370	720,561	90,070		52	26	288	400	0.625	0	526,459
817	226,993	3,969,286	496,161		285	142	1,588	2,205	1.000	41,022	1,518,817
238	65,844	235,089	29,386		17	8	94	131	0.875	0	78,238
772	0	83,413	10,427		6	3	33	46	0.375	0	43,279
0	0	813,951	101,744		58	29	326	452	0.625	0	500,837
296	314,064	537,088	67,136		39	19	215	298	0.750	0	84,296
010	206,084	2,123,058	265,382		152	76	849	1,179	1.000	23,821	1,252,025
124	30,347	838,779	104,847		60	30	336	466	0.750	0	206,185
0	43,892	110,178	13,772		8	4	44	61	0.625	0	40,208
718	160,768	527,713	65,964		38	19	211	293	0.625	0	216,444
0	424,477	2,048,302	256,038		147	73	819	1,138	0.750	0	959,782
261	0	610,190	76,274		44	22	244	339	0.750	0	264,306
147	1,305,614	2,555,214	319,402		183	92	1,022	1,420	1.000	29,129	501,837
566	2,551,090	10,482,975	1,310,372		752	376	4,193	5,824	1.000	111,545	3,060,380
654	0	63,315	7,914		5	2	25	35	0.625	0	31,699
068	51,487	2,710,760	338,845		194	97	1,084	1,506	1.000	51,487	1,089,698
133	0	1,284,666	160,583		92	46	514	714	0.750	0	1,100,133
800	0	113,397	14,175		8	4	45	63	0.625	0	27,763
493	0	1,326,390	165,799		95	48	531	737	0.875	0	583,796
146	7,500	350,182	43,773		25	13	140	195	0.875	0	139,992
232	61,295	2,169,855	271,232		156	78	868	1,205	1.000	54,814	799,092
164	0	331,292	41,412		24	12	133	184	0.625	0	298,164

911	21,281	599,516	74,940		43	22	240	333	1.000	0	224,816
234	249,704	9,287,593	1,160,949		666	333	3,715	5,160	1.000	11,203	6,632,898
432	14,815	741,948	92,744		53	27	297	412	0.875	0	356,023
321	309,629	1,927,851	240,981		138	69	771	1,071	1.000	23,754	958,958
451	588,186	1,838,511	229,814		132	66	735	1,021	1.000	19,497	545,196
662	69,929	5,962,980	745,373		428	214	2,385	3,313	1.000	25,408	1,317,829
685	27,784	3,773,826	471,728		271	135	1,510	2,097	1.000	16,101	1,118,843
581	146,936	3,467,858	433,482		249	124	1,387	1,927	1.000	31,293	938,581
893	20,706	6,681,406	835,176		479	240	2,673	3,712	1.000	20,706	1,167,893
0	17,028	1,412,888	176,611		101	51	565	785	0.875	0	605,784
060	0	2,655,013	331,877		190	95	1,062	1,475	0.750	0	2,183,081
341	2,962	795,873	99,484		57	29	318	442	0.750	0	585,842
384	1,856,868	51,683,580	6,460,448		3,708	1,854	20,673	28,713	1.000	1,856,868	12,584,840
0	0	17,248	2,156		1	1	7	10	0.250	0	11,040
974	2,989	434,907	54,363		31	16	174	242	0.375	0	425,944
399	74,211	1,294,840	161,855		93	46	518	719	1.000	19,651	644,931
206	6,655	445,661	55,708		32	16	178	248	1.000	6,655	212,854
0	0	204,580	25,573		15	7	82	114	0.250	0	201,080
058	198,882	946,825	118,353		68	34	379	526	1.000	9,058	506,507
469	0	100,219	12,527		7	4	40	56	0.500	0	52,330
191	180,761	2,975,955	371,994		213	107	1,190	1,653	1.000	19,555	1,322,191
424	50,543	2,012,446	251,556		144	72	805	1,118	0.750	0	804,424
067	135,423	707,359	88,420		51	25	283	393	1.000	475	295,523
978	0	419,817	52,477		30	15	168	233	0.625	0	155,978
0	32,094	1,098,137	137,267		79	39	439	610	0.875	0	293,149
000	2,976	158,428	19,804		11	6	63	88	0.625	0	74,859
766	684,534	10,816,422	1,352,053		776	388	4,327	6,009	1.000	459,785	2,574,766
0	0	17,420	2,178		1	1	7	10	0.125	0	17,420
0	0	19,954	2,494		1	1	8	11	0.125	0	19954
0	35,562	99,660	12,458		7	4	40	55	0.250	0	64098
0	0	11,200	1,400		1	0	4	6	0.125	0	11200
0	0	19,583	2,448		1	1	8	11	0.125	0	19583
0	35,562	167,817	20,977		12	6	67	93	0.500	0	64098
600	0	10,796	1,350		1	0	4	6	0.375	0	8000
016	0	18,170	2,271		1	1	7	10	0.250	0	15154
0	0	84,126	10,516		6	3	34	47	0.250	0	73630
616	0	113,092	14,137		8	4	45	63	0.500	0	75826

In the 2011 analysis, the estimate of acres impacted by retardant drops was calculated assuming that each drop results in even coverage. The results using this method are displayed later in this document with the footer ImpactAcresOld. Drop test data for aircraft on Forest Service contract (in table below) indicates that drops do not result in even coverage and are dependent on the type of aircraft. The 2011 analysis underestimated the total acres impacted.

Calculations of acres impacted that adjust for the coverage patterns are shown on the pages with the footers 'Region 1 Calculations', 'Region 2 Calculations', etc. These calculations present a range for each coverage level based on the minimum acres impacted and the maximum acres impacted. The ranges represent the best information available. They do not account for the overlap of drops when building a retardant line nor for when drops occur at coverage levels less than 4 gallons per 100 square feet. This method overestimates the acres impacted.

The sheets with the footer ImpactAcres summarizes the range of acres impacts for the time period 2012 to 2019 for each forest unit and each region for the total gallons of retardant used, the averaged used per year, the minimum use in any year, and the maximum used in any year.

plane	load (gallons)	coverage	actual acres
BA-e 146 Neptune	3000	4 gpc	4.683
BA-e 146 Neptune	3000	8 gpc	3.137
RJ 85 AeroFlite	3000	4 gpc	3.661
RJ 85 AeroFlite	3000	8 gpc	2.864
MD-87 Erickson	3000	4 gpc	3.14
MD-87 Erickson	3000	8 gpc	3.683
C-130 Coulson	1000	4 gpc	1.446
C-130 Coulson	4000	8 gpc	3.562
B737 Coulson	4000	4 gpc	4.791
B737 Coulson	4000	8 gpc	3.54
DC-10 10 Tanker	9400	4 gpc	9.715
DC-10 10 Tanker	9400	8 gpc	6.308

SEAT data for AT802

Hydromax/Vondran	800	4 gpc	1.141
Hydromax/Vondran	800	8 gpc	1.11
Hatfield	800	4 gpc	0.62
Hatfield	800	8 gpc	0.62
FRDS I	800	4 gpc	0.827
FRDS I	800	8 gpc	0.815

Summary of Estimated Range of Acres Impacted by Unit and Region from 2012-2019. Acres Impacted shown for total gallons of retardant used, average per year, minimum used in a year and maximum used in one year.

Region	Forest	Total	acres of impact at				Average (8 years) frequency	acres of impact at				min	acres of impact at		
			4 gpc	8 gpc	# of drops			4 gpc	8 gpc	# of drops			4 gpc	8 gpc	# of drops
1	Beaverhead-Deerlodge	664,125	515-1171	446-921	266	83,015.6	0.875	64-146	56-115	33	0	0	0	0	
1	Bitterroot	582,587	452-1027	391-808	233	72,823.4	0.875	56-128	49-101	29	0	0	0	0	
1	Custer Gallatin	317,046	246-559	213-440	127	39,630.8	0.500	31-70	27-55	16	0	0	0	0	
1	Dakota Prairie grasslands	10,477	8-18	7-15	4	1,309.6	0.250	1-2	1-2	1	0	0	0	0	
1	Flathead	100,701	78-177	68-140	40	12,587.6	0.625	10-22	8-17	5	0	0	0	0	
1	Helena-Lewis and Clark	1,302,675	1010-2296	874-1807	521	162,834.4	0.750	126-287	109-226	65	0	0	0	0	
1	Idaho-Panhandle	870,343	675-1534	584-1208	348	108,792.9	0.875	84-192	73-151	44	0	0	0	0	
1	Kootenai	697,339	540-1229	468-968	279	87,167.4	0.625	68-154	58-121	35	0	0	0	0	
1	Lolo	5,033,651	3901-8872	3378-6984	2,013	629,206.4	1.000	488-1109	422-873	252	8,547	7-15	6-12	3	
1	Nez Perce - Clearwater	1,319,283	1022-2325	885-1831	528	164,910.4	1.000	128-291	111-229	66	30,766	24-54	21-43	12	
	Region 1 Subtotal	10,898,227	8446-19208	7313-15121	4,359	1,362,278.4	1.000	1056-2401	914-1890	545	376,054	291-663	252-522	150	
2	Arapaho & Roosevelt	221,819	172-391	149-308	89	27,727.4	0.625	21-49	19-38	11	0	0	0	0	
2	Bighorn	33,452	26-59	22-46	13	4,181.5	0.500	3-7	3-6	2	0	0	0	0	
2	Black Hills	289,091	224-510	194-401	116	36,136.4	0.500	28-64	24-50	14	0	0	0	0	
2	Grand Mesa Uncompahgre and Gunnison	109,297	85-193	73-152	44	13,662.1	0.500	11-24	9-19	5	0	0	0	0	
2	Medicine Bow-Routt	853,602	662-1504	573-1184	341	106,700.3	1.000	83-188	72-148	43	3,340	3-6	2-5	1	
2	Nebraska	11,532	9-20	8-16	5	1,441.5	0.375	1-3	1-2	1	0	0	0	0	
2	Pike and San Isabel	547,857	425-966	368-760	219	68,482.1	0.750	53-121	46-95	27	0	0	0	0	
2	Rio Grande	173,871	135-306	117-241	70	21,733.9	0.375	17-38	15-30	9	0	0	0	0	
2	San Juan	484,464	375-854	325-672	194	60,558.0	0.875	47-107	41-84	24	0	0	0	0	
2	Shoshone	523,740	406-923	351-727	209	65,467.5	0.750	51-115	44-91	26	0	0	0	0	
2	White River	720,561	558-1270	484-1000	288	90,070.1	0.625	70-159	60-125	36	0	0	0	0	
	Region 2 Subtotal	3,969,286	3076-6996	2664-5507	1,588	496,160.8	1.000	385-874	333-688	198	41,022	32-74	28-57	16	
3	Apache-Sitgreaves	235,089	181-414	158-326	94	29,386.1	0.875	23-52	23-41	12	0	0	0	0	
3	Carson	83,413	65-147	56-116	33	10,426.6	0.375	8-18	8-14	4	0	0	0	0	
3	Cibola	813,951	631-1435	546-1129	326	101,743.9	0.625	79-179	79-141	41	0	0	0	0	
3	Coconino	537,088	416-947	360-745	215	67,136.0	0.750	52-118	52-93	27	0	0	0	0	
3	Coronado	2,123,058	1645-3742	1425-2946	849	265,382.3	1.000	206-468	206-368	106	23,821	18-42	16-33	10	
3	Gila	838,779	650-1478	563-1164	336	104,847.4	0.750	81-185	81-145	42	0	0	0	0	
3	Kaibab	110,178	85-194	74-153	44	13,772.3	0.625	11-24	11-19	6	0	0	0	0	
3	Lincoln	527,713	409-930	354-732	211	65,964.1	0.625	51-116	51-92	26	0	0	0	0	
3	Prescott	2,048,302	1587-3610	1375-2842	819	256,037.8	0.750	198-451	198-355	102	0	0	0	0	
3	Santa Fe	610,190	473-1075	409-847	244	76,273.8	0.750	59-134	59-106	31	0	0	0	0	
3	Tonto	2,555,214	1980-4504	1715-3545	1,022	319,401.8	1.000	248-563	249-443	128	29,129	23-51	20-40	12	
	Region 3 Subtotal	10,482,975	8124-18476	7035-14545	4,193	1,133,126.4	1.000	878-1997	878-1572	453	111,545	86-197	75-155	45	

Summary of Estimated Range of Acres Impacted by Unit and Region from 2012-2019. Acres Impacted shown for total gallons of retardant used, average per year, minimum used in a year and maximum used in one year.

Region	Forest	Total	acres of impact at			Average (8 years)	frequency	acres of impact at			min	acres of impact at		
			4 gpc	8 gpc	# of drops			4 gpc	8 gpc	# of drops		4 gpc	8 gpc	# of drops
4	Ashley	63,315	49-112	42-88	25	7,914.4	0.625	6-14	5-11	3	0	0	0	0
4	Boise	2,710,760	2101-4778	1819-3761	1,084	338,845.0	1.000	263-597	227-470	136	51,487	40-91	35-71	21
4	Bridger-Teton	1,284,666	996-2264	862-1782	514	160,583.3	0.750	124-283	108-223	64	0	0	0	0
4	Caribou-Targhee	113,397	88-200	76-157	45	14,174.6	0.625	11-25	10-20	6	0	0	0	0
4	Dixie	1,326,390	1028-2338	890-1840	531	165,798.8	0.875	128-292	111-230	66	0	0	0	0
4	Fishlake	350,182	271-617	235-486	140	43,772.8	0.875	33-75	29-59	18	0	0	0	0
4	Humboldt-Toiyabe	2,169,855	1682-3824	1456-3011	868	271,231.9	1.000	210-478	182-376	108	54,814	42-97	37-76	22
4	Manti-La Sal	331,292	257-584	222-460	133	41,411.5	0.625	32-73	28-57	17	0	0	0	0
4	Payette	1,574,718	1220-2775	1057-2185	630	196,839.8	0.875	153-347	132-273	79	0	0	0	0
4	Salmon-Challis	791,114	613-1394	531-1098	316	98,889.3	0.750	77-174	66-137	40	0	0	0	0
4	Sawtooth	749,524	581-1321	503-1040	300	93,690.5	0.875	73-165	63-130	37	0	0	0	0
4	Uinta-Wasatch-Cache	2,765,419	2143-4874	1856-3837	1,106	345,677.4	1.000	128-291	111-229	138	9,159	7-16	6-13	4
	Region 4 Subtotal	14,230,632	11029-25081	9550-19745	5,692	1,778,829.0	1.000	1056-2401	914-1890	712	506,953	393-894	340-703	203
5	Angeles	3,777,882	2928-6659	2535-5242	1,511	472,235.3	1.000	366-832	317-655	189	65,107	50-115	44-90	26
5	Cleveland	2,334,163	1809-4114	1566-3239	934	291,770.4	1.000	226-514	196-405	117	1,043	1-2	1-1	0
5	Eldorado	1,416,203	1098-2496	950-1965	566	177,025.4	0.875	137-312	119-246	71	0	0	0	0
5	Inyo	889,980	690-1569	597-1235	356	111,247.5	1.000	86-196	75-154	44	4,932	4-9	3-7	2
5	Klamath	4,118,014	3191-7258	2763-5714	1,647	514,751.8	1.000	399-907	345-714	206	33,907	26-60	23-47	14
5	LTCMU	2,075	2-4	1-3	1	259.4	0.125	0.0	0.0	0	0	0	0	0
5	Lassen	599,516	465-1057	402-832	240	74,939.5	1.000	58-132	50-104	30	0	0	0	0
5	Los Padres	9,287,593	7198-16369	6233-12887	3,715	1,160,949.1	1.000	900-2046	779-1611	464	11,203	9-20	8-16	4
5	Mendocino	741,948	575-1308	498-1029	297	92,743.5	0.875	72-163	62-129	37	0	0	0	0
5	Modoc	1,927,851	1494-3398	1294-2675	771	240,981.4	1.000	187-425	162-334	96	23,754	18-42	16-33	10
5	Plumas	1,838,511	1425-3240	1234-2551	735	229,813.9	1.000	178-405	154-319	92	19,497	15-34	13-27	8
5	San Bernadino	5,962,980	4621-10510	4002-8274	2,385	745,372.5	1.000	578-1314	500-1034	298	25,408	20-45	17-35	10
5	Sequoia	3,773,826	2925-6651	2532-5236	1,510	471,728.3	1.000	366-831	317-655	189	16,101	12-28	11-22	6
5	Shasta-Trinity	3,467,858	2688-6112	2327-4812	1,387	433,482.3	1.000	336-764	291-601	173	31,293	24-55	21-43	13
5	Sierra	6,681,406	5178-11776	4484-9270	2,673	835,175.8	1.000	647-1472	560-1159	334	20,706	16-36	14-29	8
5	Six Rivers	1,412,888	1095-2490	948-1960	565	176,611.0	0.875	137-311	119-245	71	0	0	0	0
5	Stanislaus	2,655,013	2058-4679	1782-3684	1,062	331,876.6	0.750	257-585	223-460	133	0	0	0	0
5	Tahoe	795,873	617-1403	534-1104	318	99,484.1	0.750	77-175	67-138	40	0	0	0	0
	Region 5 Subtotal	51,683,580	40055-91092	34683-71711	20,673	6,460,447.5	1.000	5007-11387	4335-8964	2,584	1,856,868	1439-3273	1246-2576	743
6	Columbia River Gorge	17,248	13-30	12-24	7	2,156.0	0.250	2-4	1-3	1	0	0	0	0
6	Colville	434,907	337-767	292-603	174	54,363.4	0.375	42-96	36-75	22	0	0	0	0
6	Deschutes and Ochoco	1,294,840	1004-2282	869-1797	518	161,855.0	1.000	125-285	109-225	65	19,651	15-35	13-27	8
6	Fremont-Winema	445,661	345-785	299-618	178	55,707.6	1.000	43-98	37-77	22	6,655	5-12	4-9	3
6	Gifford Pinchot	204,580	159-361	137-284	82	25,572.5	0.250	20-45	17-35	10	0	0	0	0

Summary of Estimated Range of Acres Impacted by Unit and Region from 2012-2019. Acres Impacted shown for total gallons of retardant used, average per year, minimum used in a year and maximum used in one year.

Region	Forest	Total	acres of impact at			Average (8 years)	frequency	acres of impact at			min	acres of impact at		
			4 gpc	8 gpc	# of drops			4 gpc	8 gpc	# of drops		4 gpc	8 gpc	# of drops
6	Malheur	946,825	7321-16650	6339-13107	379	118,353.1	1.000	92-209	79-164	47	9,058	7-16	6-13	4
6	Mt Hood	100,219	78-177	67-139	40	12,527.4	0.500	10-22	8-17	5	0	0	0	0
6	Okanagon-Wenatchee	2,975,955	2306-5245	1997-4129	1,190	371,994.4	1.000	288-656	250-516	149	19,555	15-34	13-27	8
6	Rogue River-Siskiyou	2,012,446	1560-3547	1350-2792	805	251,555.8	0.750	195-443	169-349	101	0	0	0	0
6	Umatilla	707,359	548-1247	475-981	283	88,419.9	1.000	69-156	59-123	35	475	0-1	0-1	0
6	Umpqua	419,817	325-740	282-582	168	52,477.1	0.625	41-92	35-73	21	0	0	0	0
6	Wallowa-Whitman	1,098,137	851-1935	737-1524	439	137,267.1	0.875	106-242	92-190	55	0	0	0	0
6	Willamette	158,428	123-279	106-220	63	19,803.5	0.625	15-35	13-27	8	0	0	0	0
	Region 6 Subtotal	10,816,422	8383-19064	7259-15008	4,327	1,352,052.8	1.000	1048-2383	907-1876	541	459,785	356-810	309-638	184
8	Chattahoochee-Oconee	17,420	14-31	12-24	7	2,177.5	0.125	2-3	1-3	1	0	0	0	0
8	Cherokee	19,954	15-35	13-28	8	2,494.3	0.125	2-4	2-3	1	0	0	0	0
8	NF in Florida	99,660	77-176	67-138	40	12,457.5	0.250	10-22	8-17	5	0	0	0	0
8	NF in Texas	11,200	9-20	8-16	4	1,400.0	0.125	1-2	1-2	1	0	0	0	0
8	North Carolina	19,583	15-35	13-27	8	2,447.9	0.125	2-4	2-3	1	0	0	0	0
	Region 8 Subtotal	167,817	130-296	113-233	67	20,977.1	0.500	16-37	14-29	8	0	0	0	0
9	Chippewa	10,796	8-19	7-15	4	1,349.5	0.375	1-2	1-2	1	0	0	0	0
9	Mark Twain	18,170	14-32	12-25	7	2,271.3	0.250	2-4	2-3	1	0	0	0	0
9	Superior	84,126	65-148	56-117	34	10,515.8	0.250	8-19	7-15	4	0	0	0	0
	Region 9 Subtotal	113,092	88-199	76-157	45	14,136.5	0.500	11-5	9-20	6	0	0	0	0
	GRAND TOTAL	102,362,031	79331-180413	68691-142027	40,945	12,795,253.9		9916-22552	8586-17753	5,118	6,769,496	5246-11931	4543-9393	2,708

Summary of Estimated Range of A

Region	Forest	max	acres of impact at		# of drops
			4 gpc	8 gpc	
1	Beaverhead-Deerlodge	188,684	146-333	127-262	75
1	Bitterroot	371,385	288-655	249-515	149
1	Custer Gallatin	210,080	163-370	141-291	84
1	Dakota Prairie grasslands	5,977	5-11	4-8	2
1	Flathead	48,459	38-85	33-67	19
1	Helena-Lewis and Clark	571,150	443-1007	393-792	228
1	Idaho-Panhandle	480,607	372-847	323-667	192
1	Kootenai	355,527	276-627	239-493	142
1	Lolo	3,758,272	2913-6624	2522-5215	1,503
1	Nez Perce - Clearwater	223,372	173-394	150-310	89
	Region 1 Subtotal	5,114,734	3964-9015	3432-7097	2,046
2	Arapaho & Roosevelt	108,759	84-192	73-151	44
2	Bighorn	28,540	22-50	19-40	11
2	Black Hills	140,995	109-249	95-196	56
2	Grand Mesa Uncompahgre and Gunnison	66,961	52-118	45-93	27
2	Medicine Bow-Routt	499,099	387-880	335-692	200
2	Nebraska	4,625	4-8	3-6	2
2	Pike and San Isabel	216,994	168-382	146-301	87
2	Rio Grande	102,972	80-181	69-143	41
2	San Juan	286,528	222-505	192-398	115
2	Shoshone	343,438	266-605	230-477	137
2	White River	526,459	408-928	353-730	211
	Region 2 Subtotal	1,518,817	1177-2677	1019-2107	608
3	Apache-Sitgreaves	78,238	61-138	53-109	31
3	Carson	43,279	34-76	29-60	17
3	Cibola	500,837	388-883	336-695	200
3	Coconino	84,296	65-149	57-117	34
3	Coronado	1,252,025	970-2207	840-1737	501
3	Gila	206,185	160-363	138-286	82
3	Kaibab	40,208	31-71	27-56	16
3	Lincoln	216,444	168-381	145-300	87
3	Prescott	959,782	744-1692	644-1332	384
3	Santa Fe	264,306	205-466	177-367	106
3	Tonto	501,837	389-884	337-696	201
	Region 3 Subtotal	3,060,380	2372-5394	2054-4246	1,224

Summary of Estimated Range of A

Region	Forest	max	acres of impact at		# of drops
			4 gpc	8 gpc	
4	Ashley	31,699	25-56	21-44	13
4	Boise	1,089,698	845-1921	731-1512	436
4	Bridger-Teton	1,100,133	853-1939	738-1526	440
4	Caribou-Targhee	27,763	22-49	19-39	11
4	Dixie	583,796	452-1029	392-810	234
4	Fishlake	139,992	108-247	94-194	56
4	Humboldt-Toiyabe	799,092	619-1408	536-1109	320
4	Manti-La Sal	298,164	231-526	200-414	119
4	Payette	370,691	287-653	249-514	148
4	Salmon-Challis	311,565	241-549	209-432	125
4	Sawtooth	238,515	185-420	160-331	95
4	Uinta-Wasatch-Cache	1,296,433	1005-2285	870-1799	519
	Region 4 Subtotal	4,378,347	3393-7717	2938-6075	1,751
5	Angeles	1,621,384	1257-2858	1088-2250	649
5	Cleveland	241,003	187-425	162-334	96
5	Eldorado	1,105,366	857-1948	742-1534	442
5	Inyo	462,918	36-83	31-65	185
5	Klamath	681,512	528-1201	457-946	273
5	LTCMU	2,075	2-4	1-3	1
5	Lassen	224,816	174-396	151-312	90
5	Los Padres	6,632,898	5140-11690	4451-9203	2,653
5	Mendocino	356,023	276-627	239-494	142
5	Modoc	958,958	743-1690	644-1331	384
5	Plumas	545,196	423-961	366-756	218
5	San Bernadino	1,317,829	1021-2323	884-1828	527
5	Sequoia	1,118,843	867-1972	751-1552	448
5	Shasta-Trinity	938,581	727-1654	630-1302	375
5	Sierra	1,167,893	905-2058	784-1620	467
5	Six Rivers	605,784	469-1068	407-841	242
5	Stanislaus	2,183,081	1692-3848	1465-3029	873
5	Tahoe	585,842	454-1033	393-813	234
	Region 5 Subtotal	12,584,840	9753-22181	8445-17461	5,034
6	Columbia River Gorge	11,040	9-19	7-15	4
6	Colville	425,944	330-751	286-591	170
6	Deschutes and Ochoco	644,931	500-1137	433-895	258
6	Fremont-Winema	212,854	165-375	143-295	85
6	Gifford Pinchot	201,080	156-354	135-279	80

Summary of Estimated Range of A

Region	Forest	max	acres of impact at		# of drops
			4 gpc	8 gpc	
6	Malheur	506,507	393-893	340-703	203
6	Mt Hood	52,330	41-92	35-73	21
6	Okanagon-Wenatchee	1,322,191	1025-2330	887-1835	529
6	Rogue River-Siskiyou	804,424	623-1418	540-1116	322
6	Umatilla	295,523	229-521	198-410	118
6	Umpqua	155,978	121-275	105-216	62
6	Wallowa-Whitman	293,149	227-517	197-407	117
6	Willamette	74,859	58-132	50-104	30
	Region 6 Subtotal	2,574,766	1995-4538	1728-3572	1,030
8	Chattahoochee-Oconee	17,420	14-31	12-24	7
8	Cherokee	19,954	15-35	13-28	8
8	NF in Florida	64,098	50-113	43-89	26
8	NF in Texas	11,200	9-20	8-16	4
8	North Carolina	19,583	15-35	13-27	8
	Region 8 Subtotal	64,098	50-113	43-89	26
9	Chippewa	8,000	6-14	5-11	3
9	Mark Twain	15,154	12-27	10-21	6
9	Superior	73,630	57-130	49-102	29
	Region 9 Subtotal	75,826	59-134	51-105	30
	GRAND TOTAL	19,021,716	14742-33526	12765-26393	7,609

	Custer Gallatin	grasslands	Flathead	and Clark	Idaho-Pannhandle	Kootenai	Lolo	Clearwater	Subtotal
	317,046	10,477	100,701	1,302,675	870,343	697,339	5,033,651	1,319,283	10,898,227

9	495	16	157	2033	1359	1089	7858	2059	17012
1	387	13	123	1590	1062	851	6143	1610	13299
0	332	11	105	1363	911	730	5269	1381	11407
2	458	15	146	1884	1259	1008	7279	1908	15759
8	380	13	121	1560	1042	835	6029	1580	13053
2	328	11	104	1346	900	721	5202	1363	11263
7	559	18	177	2296	1534	1229	8872	2325	19208
2	246	8	78	1010	675	540	3901	1022	8446
2	328	11	104	1347	900	721	5204	1364	11266

9	332	11	105	1362	910	729	5264	1380	11396
6	303	10	96	1244	831	666	4805	1259	10404
5	389	13	124	1599	1068	856	6180	1620	13379
9	282	9	90	1160	775	621	4482	1175	9705
6	281	9	89	1153	770	617	4455	1168	9645
1	213	7	68	874	584	468	3378	885	7313
8	440	15	140	1807	1208	968	6984	1831	15121
2	246	8	78	1010	675	540	3901	1022	8446
4	323	11	103	1327	887	710	5128	1344	11103

3	39631	1310	12588	162834	108793	87167	629206	164910	1362278
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4	62	2	20	254	170	136	982	257	2127
9	48	2	15	199	133	106	768	201	1662
6	41	1	13	170	114	91	659	173	1426
5	57	2	18	235	157	126	910	238	1970
7	47	2	15	195	130	104	754	198	1632
5	41	1	13	168	112	90	650	170	1408
8	70	2	22	287	192	154	1109	291	2401

0	328	9	76	892	750	555	5867	349	7984
3	256	7	59	697	587	434	4586	273	6242
9	220	6	51	598	503	372	3934	234	5353
7	304	9	70	826	695	514	5434	323	7396
5	252	7	58	684	576	426	4501	268	6126
4	217	6	50	590	497	367	3884	231	5286
5	370	11	85	1007	847	627	6624	394	9015
8	163	5	38	443	372	276	2913	173	3964
4	217	6	50	590	497	368	3885	231	5287

8	220	6	51	597	503	372	3930	234	5348
5	201	6	46	545	459	339	3588	213	4883
6	258	7	59	701	590	436	4614	274	6279
1	187	5	43	509	428	317	3347	199	4555
9	186	5	43	505	425	315	3326	198	4527
9	141	4	33	383	323	239	2522	150	3432
5	291	8	67	792	667	493	5215	310	7097
8	163	5	38	443	372	276	2913	173	3964
8	214	6	49	582	490	362	3829	228	5211

the minimum and maximum of other aircraft.

Calculations of Impact Acres for various aircraft

Region 2														
Forest			Arapaho & Roosevelt	Bighorn	Black Hills	Grand Mesa Uncompahgre and Gunnison	Medicine Bow-Routt	Nebraska	Pike and San Isabel	Rio Grande	San Juan	Shoshone	White River	Region 2 Subtotal
Total			221,819	33,452	289,091	109,297	853,602	11,532	547,857	173,871	484,464	523,740	720,561	3,969,286

4 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	4.683	346	52	451	171	1332	18	855	271	756	818	1125	6196
RJ-85	3000	3.661	271	41	353	133	1042	14	669	212	591	639	879	4844
MD-87	3000	3.14	232	35	303	114	893	12	573	182	507	548	754	4155
C-130	1000	1.446	321	48	418	158	1234	17	792	251	701	757	1042	5740
B737	4000	4.791	266	40	346	131	1022	14	656	208	580	627	863	4754
DC-10	9400	9.715	229	35	299	113	882	12	566	180	501	541	745	4102
AT 802 Hydromax/Vondran	800	1.41	391	59	510	193	1504	20	966	306	854	923	1270	6996
AT 802 Hatfield	800	0.62	172	26	224	85	662	9	425	135	375	406	558	3076
AT 802 FRDS I	800	0.827	229	35	299	113	882	12	566	180	501	541	745	4103

8 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	3.137	232	35	302	114	893	12	573	182	507	548	753	4151
RJ-85	3000	2.864	212	32	276	104	815	11	523	166	463	500	688	3789
MD-87	3000	3.683	272	41	355	134	1048	14	673	213	595	643	885	4873
C-130	4000	3.562	198	30	257	97	760	10	488	155	431	466	642	3535
B737	4000	3.54	196	30	256	97	755	10	485	154	429	464	638	3513
DC-10	9400	6.308	149	22	194	73	573	8	368	117	325	351	484	2664
AT 802 Hydromax/Vondran	800	1.11	308	46	401	152	1184	16	760	241	672	727	1000	5507
AT 802 Hatfield	800	0.62	172	26	224	85	662	9	425	135	375	406	558	3076
AT 802 FRDS I	800	0.815	226	34	295	111	870	12	558	177	494	534	734	4044

Average (8 years)			27727	4182	36136	13662	106700	1442	68482	21734	60558	65468	90070	496161
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4 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	4.683	43	7	56	21	167	2	107	34	95	102	141	775
RJ-85	3000	3.661	34	5	44	17	130	2	84	27	74	80	110	605
MD-87	3000	3.14	29	4	38	14	112	2	72	23	63	69	94	519
C-130	1000	1.446	40	6	52	20	154	2	99	31	88	95	130	717
B737	4000	4.791	33	5	43	16	128	2	82	26	73	78	108	594
DC-10	9400	9.715	29	4	37	14	110	1	71	22	63	68	93	513
AT 802 Hydromax/Vondran	800	1.41	49	7	64	24	188	3	121	38	107	115	159	874
AT 802 Hatfield	800	0.62	21	3	28	11	83	1	53	17	47	51	70	385

Forest			Arapaho & Roosevelt	Bighorn	Black Hills	Grand Mesa Uncompahgre and Gunnison	Medicine Bow-Routt	Nebraska	Pike and San Isabel	Rio Grande	San Juan	Shoshone	White River	Region 2 Subtotal
AT 802 FRDS I	800	0.827	29	4	37	14	110	1	71	22	63	68	93	513

Forest			Arapaho & Roosevelt	Bighorn	Black Hills	Grand Mesa Uncompahgre and Gunnison	Medicine Bow-Routt	Nebraska	Pike and San Isabel	Rio Grande	San Juan	Shoshone	White River	Region 2 Subtotal
8 GPC Calculations														
aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	3.137	29	4	38	14	112	2	72	23	63	68	94	519
RJ-85	3000	2.864	26	4	34	13	102	1	65	21	58	63	86	474
MD-87	3000	3.683	34	5	44	17	131	2	84	27	74	80	111	609
C-130	4000	3.562	25	4	32	12	95	1	61	19	54	58	80	442
B737	4000	3.54	25	4	32	12	94	1	61	19	54	58	80	439
DC-10	9400	6.308	19	3	24	9	72	1	46	15	41	44	60	333
AT 802 Hydromax/Vondran	800	1.11	38	6	50	19	148	2	95	30	84	91	125	688
AT 802 Hatfield	800	0.62	21	3	28	11	83	1	53	17	47	51	70	385
AT 802 FRDS I	800	0.815	28	4	37	14	109	1	70	22	62	67	92	505

Minimum			0	0	0	0	3340	0	0	0	0	0	0	41022
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4 GPC Calculations														
aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	4.683	0	0	0	0	5	0	0	0	0	0	0	64
RJ-85	3000	3.661	0	0	0	0	4	0	0	0	0	0	0	50
MD-87	3000	3.14	0	0	0	0	3	0	0	0	0	0	0	43
C-130	1000	1.446	0	0	0	0	5	0	0	0	0	0	0	59
B737	4000	4.791	0	0	0	0	4	0	0	0	0	0	0	49
DC-10	9400	9.715	0	0	0	0	3	0	0	0	0	0	0	42
AT 802 Hydromax/Vondran	800	1.41	0	0	0	0	6	0	0	0	0	0	0	72
AT 802 Hatfield	800	0.62	0	0	0	0	3	0	0	0	0	0	0	32
AT 802 FRDS I	800	0.827	0	0	0	0	3	0	0	0	0	0	0	42

8 GPC Calculations														
aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	3.137	0	0	0	0	3	0	0	0	0	0	0	43
RJ-85	3000	2.864	0	0	0	0	3	0	0	0	0	0	0	39
MD-87	3000	3.683	0	0	0	0	4	0	0	0	0	0	0	50
C-130	4000	3.562	0	0	0	0	3	0	0	0	0	0	0	37
B737	4000	3.54	0	0	0	0	3	0	0	0	0	0	0	36
DC-10	9400	6.308	0	0	0	0	2	0	0	0	0	0	0	28
AT 802 Hydromax/Vondran	800	1.11	0	0	0	0	5	0	0	0	0	0	0	57
AT 802 Hatfield	800	0.62	0	0	0	0	3	0	0	0	0	0	0	32
AT 802 FRDS I	800	0.815	0	0	0	0	3	0	0	0	0	0	0	42

Forest			Arapaho & Roosevelt	Bighorn	Black Hills	Grand Mesa Uncompahgre and Gunnison	Medicine Bow-Routt	Nebraska	Pike and San Isabel	Rio Grande	San Juan	Shoshone	White River	Region 2 Subtotal
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Maximum			108759	28540	140995	66961	499099	4625	216994	102972	286528	343438	526459	1518817
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4 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	4.683	170	45	220	105	779	7	339	161	447	536	822	2371
RJ-85	3000	3.661	133	35	172	82	609	6	265	126	350	419	642	1853
MD-87	3000	3.14	114	30	148	70	522	5	227	108	300	359	551	1590
C-130	1000	1.446	157	41	204	97	722	7	314	149	414	497	761	2196
B737	4000	4.791	130	34	169	80	598	6	260	123	343	411	631	1819
DC-10	9400	9.715	112	29	146	69	516	5	224	106	296	355	544	1570
AT 802 Hydromax/Vondran	800	1.41	192	50	249	118	880	8	382	181	505	605	928	2677
AT 802 Hatfield	800	0.62	84	22	109	52	387	4	168	80	222	266	408	1177
AT 802 FRDS I	800	0.827	112	30	146	69	516	5	224	106	296	355	544	1570

8 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	3.137	114	30	147	70	522	5	227	108	300	359	551	1588
RJ-85	3000	2.864	104	27	135	64	476	4	207	98	274	328	503	1450
MD-87	3000	3.683	134	35	173	82	613	6	266	126	352	422	646	1865
C-130	4000	3.562	97	25	126	60	444	4	193	92	255	306	469	1353
B737	4000	3.54	96	25	125	59	442	4	192	91	254	304	466	1344
DC-10	9400	6.308	73	19	95	45	335	3	146	69	192	230	353	1019
AT 802 Hydromax/Vondran	800	1.11	151	40	196	93	692	6	301	143	398	477	730	2107
AT 802 Hatfield	800	0.62	84	22	109	52	387	4	168	80	222	266	408	1177
AT 802 FRDS I	800	0.815	111	29	144	68	508	5	221	105	292	350	536	1547

Calculations of Impact Acres for various aircraft

Region 3														
Forest			Apache-Sitgreaves	Carson	Cibola	Coconino	Coronado	Gila	Kaibab	Lincoln	Prescott	Santa Fe	Tonto	Region 3 Subtotal
Total			235,089	83,413	813,951	537,088	2,123,058	838,779	110,178	527,713	2,048,302	610,190	2,555,214	10,482,975

4 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	4.683	367	130	1271	838	3314	1309	172	824	3197	953	3989	16364
RJ-85	3000	3.661	287	102	993	655	2591	1024	134	644	2500	745	3118	12793
MD-87	3000	3.14	246	87	852	562	2222	878	115	552	2144	639	2674	10972
C-130	1000	1.446	340	121	1177	777	3070	1213	159	763	2962	882	3695	15158
B737	4000	4.791	282	100	975	643	2543	1005	132	632	2453	731	3061	12556
DC-10	9400	9.715	243	86	841	555	2194	867	114	545	2117	631	2641	10834
AT 802 Hydromax/Vondran	800	1.41	414	147	1435	947	3742	1478	194	930	3610	1075	4504	18476
AT 802 Hatfield	800	0.62	182	65	631	416	1645	650	85	409	1587	473	1980	8124
AT 802 FRDS I	800	0.827	243	86	841	555	2195	867	114	546	2117	631	2641	10837

8 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	3.137	246	87	851	562	2220	877	115	552	2142	638	2672	10962
RJ-85	3000	2.864	224	80	777	513	2027	801	105	504	1955	583	2439	10008
MD-87	3000	3.683	289	102	999	659	2606	1030	135	648	2515	749	3137	12870
C-130	4000	3.562	209	74	725	478	1891	747	98	470	1824	543	2275	9335
B737	4000	3.54	208	74	720	475	1879	742	98	467	1813	540	2261	9277
DC-10	9400	6.308	158	56	546	360	1425	563	74	354	1375	409	1715	7035
AT 802 Hydromax/Vondran	800	1.11	326	116	1129	745	2946	1164	153	732	2842	847	3545	14545
AT 802 Hatfield	800	0.62	182	65	631	416	1645	650	85	409	1587	473	1980	8124
AT 802 FRDS I	800	0.815	239	85	829	547	2163	855	112	538	2087	622	2603	10680

Average (8 years)			29386	10427	101744	67136	265382	104847	13772	65964	256038	76274	319402	1133126
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4 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	4.683	46	16	159	105	414	164	21	103	400	119	499	1769
RJ-85	3000	3.661	36	13	124	82	324	128	17	80	312	93	390	1383
MD-87	3000	3.14	31	11	106	70	278	110	14	69	268	80	334	1186
C-130	1000	1.446	42	15	147	97	384	152	20	95	370	110	462	1639
B737	4000	4.791	35	12	122	80	318	126	16	79	307	91	383	1357
DC-10	9400	9.715	30	11	105	69	274	108	14	68	265	79	330	1171
AT 802 Hydromax/Vondran	800	1.41	52	18	179	118	468	185	24	116	451	134	563	1997
AT 802 Hatfield	800	0.62	23	8	79	52	206	81	11	51	198	59	248	878

Forest			Apache-Sitgreaves	Carson	Cibola	Coconino	Coronado	Gila	Kaibab	Lincoln	Prescott	Santa Fe	Tonto	Region 3 Subtotal
AT 802 FRDS I	800	0.827	30	11	105	69	274	108	14	68	265	79	330	1171

Forest			Apache-Sitgreaves	Carson	Cibola	Coconino	Coronado	Gila	Kaibab	Lincoln	Prescott	Santa Fe	Tonto	Region 3 Subtotal
8 GPC Calculations														
aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	3.137	31	11	106	70	278	110	14	69	268	80	334	1185
RJ-85	3000	2.864	28	10	97	64	253	100	13	63	244	73	305	1082
MD-87	3000	3.683	36	13	125	82	326	129	17	81	314	94	392	1391
C-130	4000	3.562	26	9	91	60	236	93	12	59	228	68	284	1009
B737	4000	3.54	26	9	90	59	235	93	12	58	227	68	283	1003
DC-10	9400	6.308	20	7	68	45	178	70	9	44	172	51	214	760
AT 802 Hydromax/Vondran	800	1.11	41	14	141	93	368	145	19	92	355	106	443	1572
AT 802 Hatfield	800	0.62	23	8	79	52	206	81	11	51	198	59	248	878
AT 802 FRDS I	800	0.815	30	11	104	68	270	107	14	67	261	78	325	1154

Minimum			0	0	0	0	23821	0	0	0	0	0	29129	111545
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4 GPC Calculations														
aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	4.683	0	0	0	0	37	0	0	0	0	0	45	174
RJ-85	3000	3.661	0	0	0	0	29	0	0	0	0	0	36	136
MD-87	3000	3.14	0	0	0	0	25	0	0	0	0	0	30	117
C-130	1000	1.446	0	0	0	0	34	0	0	0	0	0	42	161
B737	4000	4.791	0	0	0	0	29	0	0	0	0	0	35	134
DC-10	9400	9.715	0	0	0	0	25	0	0	0	0	0	30	115
AT 802 Hydromax/Vondran	800	1.41	0	0	0	0	42	0	0	0	0	0	51	197
AT 802 Hatfield	800	0.62	0	0	0	0	18	0	0	0	0	0	23	86
AT 802 FRDS I	800	0.827	0	0	0	0	25	0	0	0	0	0	30	115

8 GPC Calculations														
aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	3.137	0	0	0	0	25	0	0	0	0	0	30	117
RJ-85	3000	2.864	0	0	0	0	23	0	0	0	0	0	28	106
MD-87	3000	3.683	0	0	0	0	29	0	0	0	0	0	36	137
C-130	4000	3.562	0	0	0	0	21	0	0	0	0	0	26	99
B737	4000	3.54	0	0	0	0	21	0	0	0	0	0	26	99
DC-10	9400	6.308	0	0	0	0	16	0	0	0	0	0	20	75
AT 802 Hydromax/Vondran	800	1.11	0	0	0	0	33	0	0	0	0	0	40	155
AT 802 Hatfield	800	0.62	0	0	0	0	18	0	0	0	0	0	23	86
AT 802 FRDS I	800	0.815	0	0	0	0	24	0	0	0	0	0	30	114

Forest			Apache-Sitgreaves	Carson	Cibola	Coconino	Coronado	Gila	Kaibab	Lincoln	Prescott	Santa Fe	Tonto	Region 3 Subtotal
Maximum			78238	43279	500837	84296	1252025	206185	40208	216444	959782	264306	501837	3060380
4 GPC Calculations														
aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	4.683	122	68	782	132	1954	322	63	338	1498	413	783	4777
RJ-85	3000	3.661	95	53	611	103	1528	252	49	264	1171	323	612	3735
MD-87	3000	3.14	82	45	524	88	1310	216	42	227	1005	277	525	3203
C-130	1000	1.446	113	63	724	122	1810	298	58	313	1388	382	726	4425
B737	4000	4.791	94	52	600	101	1500	247	48	259	1150	317	601	3666
DC-10	9400	9.715	81	45	518	87	1294	213	42	224	992	273	519	3163
AT 802 Hydromax/Vondran	800	1.41	138	76	883	149	2207	363	71	381	1692	466	884	5394
AT 802 Hatfield	800	0.62	61	34	388	65	970	160	31	168	744	205	389	2372
AT 802 FRDS I	800	0.827	81	45	518	87	1294	213	42	224	992	273	519	3164
8 GPC Calculations														
aircraft	load (gallons)	Pattern Acres/load												
BAe-146	3000	3.137	82	45	524	88	1309	216	42	226	1004	276	525	3200
RJ-85	3000	2.864	75	41	478	80	1195	197	38	207	916	252	479	2922
MD-87	3000	3.683	96	53	615	103	1537	253	49	266	1178	324	616	3757
C-130	4000	3.562	70	39	446	75	1115	184	36	193	855	235	447	2725
B737	4000	3.54	69	38	443	75	1108	182	36	192	849	234	444	2708
DC-10	9400	6.308	53	29	336	57	840	138	27	145	644	177	337	2054
AT 802 Hydromax/Vondran	800	1.11	109	60	695	117	1737	286	56	300	1332	367	696	4246
AT 802 Hatfield	800	0.62	61	34	388	65	970	160	31	168	744	205	389	2372
AT 802 FRDS I	800	0.815	80	44	510	86	1276	210	41	221	978	269	511	3118

Calculations of Impact Acres for various aircraft

Region 4															
Forest			Ashley	Boise	Bridger-Teton	Caribou-Targhee	Dixie	Fishlake	Humboldt-Toiyabe	Manti-La Sal	Payette	Salmon-Challis	Sawtooth	Uinta-Wasatch-Cache	Region 4 Subtotal
Total			63,315	2,710,760	1,284,666	113,397	1,326,390	350,182	2,169,855	331,292	1,574,718	791,114	749,524	2,765,419	14,230,632
4 GPC Calculations															
aircraft	load (gallons)	Pattern Acres/load													
BAe-146	3000	4.683	99	4231	2005	177	2070	547	3387	517	2458	1235	1170	4317	22214
RJ-85	3000	3.661	77	3308	1568	138	1619	427	2648	404	1922	965	915	3375	17366
MD-87	3000	3.14	66	2837	1345	119	1388	367	2271	347	1648	828	785	2894	14895
C-130	1000	1.446	92	3920	1858	164	1918	506	3138	479	2277	1144	1084	3999	20577
B737	4000	4.791	76	3247	1539	136	1589	419	2599	397	1886	948	898	3312	17045
DC-10	9400	9.715	65	2802	1328	117	1371	362	2243	342	1627	818	775	2858	14708
AT 802 Hydromax/Vondran	800	1.41	112	4778	2264	200	2338	617	3824	584	2775	1394	1321	4874	25081
AT 802 Hatfield	800	0.62	49	2101	996	88	1028	271	1682	257	1220	613	581	2143	11029
AT 802 FRDS I	800	0.827	65	2802	1328	117	1371	362	2243	342	1628	818	775	2859	14711
8 GPC Calculations															
aircraft	load (gallons)	Pattern Acres/load													
BAe-146	3000	3.137	66	2835	1343	119	1387	366	2269	346	1647	827	784	2892	14880
RJ-85	3000	2.864	60	2588	1226	108	1266	334	2071	316	1503	755	716	2640	13586
MD-87	3000	3.683	78	3328	1577	139	1628	430	2664	407	1933	971	920	3395	17470
C-130	4000	3.562	56	2414	1144	101	1181	312	1932	295	1402	704	667	2463	12672
B737	4000	3.54	56	2399	1137	100	1174	310	1920	293	1394	700	663	2447	12594
DC-10	9400	6.308	42	1819	862	76	890	235	1456	222	1057	531	503	1856	9550
AT 802 Hydromax/Vondran	800	1.11	88	3761	1782	157	1840	486	3011	460	2185	1098	1040	3837	19745
AT 802 Hatfield	800	0.62	49	2101	996	88	1028	271	1682	257	1220	613	581	2143	11029
AT 802 FRDS I	800	0.815	65	2762	1309	116	1351	357	2211	338	1604	806	764	2817	14497

Forest			Ashley	Boise	Bridger-Teton	Caribou-Targhee	Dixie	Fishlake	Humboldt-Toiyabe	Manti-La Sal	Payette	Salmon-Challis	Sawtooth	Uinta-Wasatch-Cache	Region 4 Subtotal
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Average (8 years)			7914	338845	160583	14175	165799	42773	271232	41412	196840	98889	93691	164910	1362278
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4 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load													
BAe-146	3000	4.683	12	529	251	22	259	67	423	65	307	154	146	257	2127
RJ-85	3000	3.661	10	414	196	17	202	52	331	51	240	121	114	201	1662
MD-87	3000	3.14	8	355	168	15	174	45	284	43	206	104	98	173	1426
C-130	1000	1.446	11	490	232	20	240	62	392	60	285	143	135	238	1970
B737	4000	4.791	9	406	192	17	199	51	325	50	236	118	112	198	1632
DC-10	9400	9.715	8	350	166	15	171	44	280	43	203	102	97	170	1408
AT 802 Hydromax/Vondran	800	1.41	14	597	283	25	292	75	478	73	347	174	165	291	2401
AT 802 Hatfield	800	0.62	6	263	124	11	128	33	210	32	153	77	73	128	1056
AT 802 FRDS I	800	0.827	8	350	166	15	171	44	280	43	203	102	97	170	1408

8 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load													
BAe-146	3000	3.137	8	354	168	15	173	45	284	43	206	103	98	172	1424
RJ-85	3000	2.864	8	323	153	14	158	41	259	40	188	94	89	157	1301
MD-87	3000	3.683	10	416	197	17	204	53	333	51	242	121	115	202	1672
C-130	4000	3.562	7	302	143	13	148	38	242	37	175	88	83	147	1213
B737	4000	3.54	7	300	142	13	147	38	240	37	174	88	83	146	1206
DC-10	9400	6.308	5	227	108	10	111	29	182	28	132	66	63	111	914
AT 802 Hydromax/Vondran	800	1.11	11	470	223	20	230	59	376	57	273	137	130	229	1890
AT 802 Hatfield	800	0.62	6	263	124	11	128	33	210	32	153	77	73	128	1056
AT 802 FRDS I	800	0.815	8	345	164	14	169	44	276	42	201	101	95	168	1388

Minimum			0	51487	0	0	0	0	54814	0	0	0	0	9159	506953
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4 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load													
BAe-146	3000	4.683	0	80	0	0	0	0	86	0	0	0	0	14	791
RJ-85	3000	3.661	0	63	0	0	0	0	67	0	0	0	0	11	619
MD-87	3000	3.14	0	54	0	0	0	0	57	0	0	0	0	10	531
C-130	1000	1.446	0	74	0	0	0	0	79	0	0	0	0	13	733
B737	4000	4.791	0	62	0	0	0	0	66	0	0	0	0	11	607
DC-10	9400	9.715	0	53	0	0	0	0	57	0	0	0	0	9	524
AT 802 Hydromax/Vondran	800	1.41	0	91	0	0	0	0	97	0	0	0	0	16	894
AT 802 Hatfield	800	0.62	0	40	0	0	0	0	42	0	0	0	0	7	393
AT 802 FRDS I	800	0.827	0	53	0	0	0	0	57	0	0	0	0	9	524

Forest			Ashley	Boise	Bridger-Teton	Caribou-Targhee	Dixie	Fishlake	Humboldt-Toiyabe	Manti-La Sal	Payette	Salmon-Challis	Sawtooth	Uinta-Wasatch-Cache	Region 4 Subtotal
8 GPC Calculations															
aircraft	load (gallons)	Pattern Acres/load													
BAe-146	3000	3.137	0	54	0	0	0	0	57	0	0	0	0	10	530
RJ-85	3000	2.864	0	49	0	0	0	0	52	0	0	0	0	9	484
MD-87	3000	3.683	0	63	0	0	0	0	67	0	0	0	0	11	622
C-130	4000	3.562	0	46	0	0	0	0	49	0	0	0	0	8	451
B737	4000	3.54	0	46	0	0	0	0	49	0	0	0	0	8	449
DC-10	9400	6.308	0	35	0	0	0	0	37	0	0	0	0	6	340
AT 802 Hydromax/Vondran	800	1.11	0	71	0	0	0	0	76	0	0	0	0	13	703
AT 802 Hatfield	800	0.62	0	40	0	0	0	0	42	0	0	0	0	7	393
AT 802 FRDS I	800	0.815	0	52	0	0	0	0	56	0	0	0	0	9	516

Maximum			31699	1089698	1100133	27763	583796	139992	799092	298164	370691	311565	238515	1296433	4378347
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4 GPC Calculations															
aircraft	load (gallons)	Pattern Acres/load													
BAe-146	3000	4.683	49	1701	1717	43	911	219	1247	465	579	486	372	2024	6835
RJ-85	3000	3.661	39	1330	1343	34	712	171	975	364	452	380	291	1582	5343
MD-87	3000	3.14	33	1141	1151	29	611	147	836	312	388	326	250	1357	4583
C-130	1000	1.446	46	1576	1591	40	844	202	1155	431	536	451	345	1875	6331
B737	4000	4.791	38	1305	1318	33	699	168	957	357	444	373	286	1553	5244
DC-10	9400	9.715	33	1126	1137	29	603	145	826	308	383	322	247	1340	4525
AT 802 Hydromax/Vondran	800	1.41	56	1921	1939	49	1029	247	1408	526	653	549	420	2285	7717
AT 802 Hatfield	800	0.62	25	845	853	22	452	108	619	231	287	241	185	1005	3393
AT 802 FRDS I	800	0.827	33	1126	1137	29	603	145	826	308	383	322	247	1340	4526

8 GPC Calculations															
aircraft	load (gallons)	Pattern Acres/load													
BAe-146	3000	3.137	33	1139	1150	29	610	146	836	312	388	326	249	1356	4578
RJ-85	3000	2.864	30	1040	1050	27	557	134	763	285	354	297	228	1238	4180
MD-87	3000	3.683	39	1338	1351	34	717	172	981	366	455	382	293	1592	5375
C-130	4000	3.562	28	970	980	25	520	125	712	266	330	277	212	1154	3899
B737	4000	3.54	28	964	974	25	517	124	707	264	328	276	211	1147	3875
DC-10	9400	6.308	21	731	738	19	392	94	536	200	249	209	160	870	2938
AT 802 Hydromax/Vondran	800	1.11	44	1512	1526	39	810	194	1109	414	514	432	331	1799	6075
AT 802 Hatfield	800	0.62	25	845	853	22	452	108	619	231	287	241	185	1005	3393
AT 802 FRDS I	800	0.815	32	1110	1121	28	595	143	814	304	378	317	243	1321	4460

Calculations of Impact Acres for various aircraft

Region 5			Angeles	Cleveland	Eldorado	Inyo	Klamath	LTBMU	Lassen	Los Padres	Mendocino	Modoc	Plumas	San Bernardino	Sequoia	Shasta-Trinity	Sierra
Forest																	
Total			3,777,882	2,334,163	1,416,203	889,980	4,118,014	2,075	599,516	9,287,593	741,948	1,927,851	1,838,511	5,962,980	3,773,826	3,467,858	6,681,406

4 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load															
BAe-146	3000	4.683	5897	3644	2211	1389	6428	3	936	14498	1158	3009	2870	9308	5891	5413	10430
RJ-85	3000	3.661	4610	2848	1728	1086	5025	3	732	11334	905	2353	2244	7277	4605	4232	8154
MD-87	3000	3.14	3954	2443	1482	932	4310	2	627	9721	777	2018	1924	6241	3950	3630	6993
C-130	1000	1.446	5463	3375	2048	1287	5955	3	867	13430	1073	2788	2658	8622	5457	5015	9661
B737	4000	4.791	4525	2796	1696	1066	4932	2	718	11124	889	2309	2202	7142	4520	4154	8003
DC-10	9400	9.715	3904	2412	1464	920	4256	2	620	9599	767	1992	1900	6163	3900	3584	6905
AT 802 Hydromax/Vondran	800	1.41	6659	4114	2496	1569	7258	4	1057	16369	1308	3398	3240	10510	6651	6112	11776
AT 802 Hatfield	800	0.62	2928	1809	1098	690	3191	2	465	7198	575	1494	1425	4621	2925	2688	5178
AT 802 FRDS I	800	0.827	3905	2413	1464	920	4257	2	620	9601	767	1993	1901	6164	3901	3585	6907

8 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load															
BAe-146	3000	3.137	3950	2441	1481	931	4306	2	627	9712	776	2016	1922	6235	3946	3626	6987
RJ-85	3000	2.864	3607	2228	1352	850	3931	2	572	8867	708	1840	1755	5693	3603	3311	6379
MD-87	3000	3.683	4638	2866	1739	1093	5056	3	736	11402	911	2367	2257	7321	4633	4257	8203
C-130	4000	3.562	3364	2079	1261	793	3667	2	534	8271	661	1717	1637	5310	3361	3088	5950
B737	4000	3.54	3343	2066	1253	788	3644	2	531	8220	657	1706	1627	5277	3340	3069	5913
DC-10	9400	6.308	2535	1566	950	597	2763	1	402	6233	498	1294	1234	4002	2532	2327	4484
AT 802 Hydromax/Vondran	800	1.11	5242	3239	1965	1235	5714	3	832	12887	1029	2675	2551	8274	5236	4812	9270
AT 802 Hatfield	800	0.62	2928	1809	1098	690	3191	2	465	7198	575	1494	1425	4621	2925	2688	5178
AT 802 FRDS I	800	0.815	3849	2378	1443	907	4195	2	611	9462	756	1964	1873	6075	3845	3533	6807

Average (8 years)			472235	291770	177025	111248	514752	259	74940	1160949	92744	240981	229814	745373	471728	433482	835176
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4 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load															
BAe-146	3000	4.683	737	455	276	174	804	0	117	1812	145	376	359	1164	736	677	1304
RJ-85	3000	3.661	576	356	216	136	628	0	91	1417	113	294	280	910	576	529	1019
MD-87	3000	3.14	494	305	185	116	539	0	78	1215	97	252	241	780	494	454	874
C-130	1000	1.446	683	422	256	161	744	0	108	1679	134	348	332	1078	682	627	1208
B737	4000	4.791	566	349	212	133	617	0	90	1391	111	289	275	893	565	519	1000
DC-10	9400	9.715	488	302	183	115	532	0	77	1200	96	249	238	770	488	448	863
AT 802 Hydromax/Vondran	800	1.41	832	514	312	196	907	0	132	2046	163	425	405	1314	831	764	1472
AT 802 Hatfield	800	0.62	366	226	137	86	399	0	58	900	72	187	178	578	366	336	647

Forest			Angeles	Cleveland	Eldorado	Inyo	Klamath	LTBMU	Lassen	Los Padres	Mendocino	Modoc	Plumas	San Bernardino	Sequoia	Shasta-Trinity	Sierra
AT 802 FRDS I	800	0.827	488	302	183	115	532	0	77	1200	96	249	238	771	488	448	863
8 GPC Calculations																	
aircraft	load (gallons)	Pattern Acres/load															
BAe-146	3000	3.137	494	305	185	116	538	0	78	1214	97	252	240	779	493	453	873
RJ-85	3000	2.864	451	279	169	106	491	0	72	1108	89	230	219	712	450	414	797
MD-87	3000	3.683	580	358	217	137	632	0	92	1425	114	296	282	915	579	532	1025
C-130	4000	3.562	421	260	158	99	458	0	67	1034	83	215	205	664	420	386	744
B737	4000	3.54	418	258	157	98	456	0	66	1027	82	213	203	660	417	384	739
DC-10	9400	6.308	317	196	119	75	345	0	50	779	62	162	154	500	317	291	560
AT 802 Hydromax/Vondran	800	1.11	655	405	246	154	714	0	104	1611	129	334	319	1034	655	601	1159
AT 802 Hatfield	800	0.62	366	226	137	86	399	0	58	900	72	187	178	578	366	336	647
AT 802 FRDS I	800	0.815	481	297	180	113	524	0	76	1183	94	245	234	759	481	442	851

Minimum			65107	1043	0	4932	33907	0	0	11203	0	23754	19497	25408	16101	31293	20706
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4 GPC Calculations																	
aircraft	load (gallons)	Pattern Acres/load															
BAe-146	3000	4.683	102	2	0	8	53	0	0	17	0	37	30	40	25	49	32
RJ-85	3000	3.661	79	1	0	6	41	0	0	14	0	29	24	31	20	38	25
MD-87	3000	3.14	68	1	0	5	35	0	0	12	0	25	20	27	17	33	22
C-130	1000	1.446	94	2	0	7	49	0	0	16	0	34	28	37	23	45	30
B737	4000	4.791	78	1	0	6	41	0	0	13	0	28	23	30	19	37	25
DC-10	9400	9.715	67	1	0	5	35	0	0	12	0	25	20	26	17	32	21
AT 802 Hydromax/Vondran	800	1.41	115	2	0	9	60	0	0	20	0	42	34	45	28	55	36
AT 802 Hatfield	800	0.62	50	1	0	4	26	0	0	9	0	18	15	20	12	24	16
AT 802 FRDS I	800	0.827	67	1	0	5	35	0	0	12	0	25	20	26	17	32	21

8 GPC Calculations																	
aircraft	load (gallons)	Pattern Acres/load															
BAe-146	3000	3.137	68	1	0	5	35	0	0	12	0	25	20	27	17	33	22
RJ-85	3000	2.864	62	1	0	5	32	0	0	11	0	23	19	24	15	30	20
MD-87	3000	3.683	80	1	0	6	42	0	0	14	0	29	24	31	20	38	25
C-130	4000	3.562	58	1	0	4	30	0	0	10	0	21	17	23	14	28	18
B737	4000	3.54	58	1	0	4	30	0	0	10	0	21	17	22	14	28	18
DC-10	9400	6.308	44	1	0	3	23	0	0	8	0	16	13	17	11	21	14
AT 802 Hydromax/Vondran	800	1.11	90	1	0	7	47	0	0	16	0	33	27	35	22	43	29
AT 802 Hatfield	800	0.62	50	1	0	4	26	0	0	9	0	18	15	20	12	24	16
AT 802 FRDS I	800	0.815	66	1	0	5	35	0	0	11	0	24	20	26	16	32	21

Forest			Angeles	Cleveland	Eldorado	Inyo	Klamath	LTBMU	Lassen	Los Padres	Mendocino	Modoc	Plumas	San Bernardino	Sequoia	Shasta-Trinity	Sierra
Maximum			1621384	241003	1105366	46918	681512	2075	224816	6632898	356023	958958	545196	1317829	1118843	938581	1167893

4 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load															
BAe-146	3000	4.683	2531	376	1725	73	1064	3	351	10354	556	1497	851	2057	1747	1465	1823
RJ-85	3000	3.661	1979	294	1349	57	832	3	274	8094	434	1170	665	1608	1365	1145	1425
MD-87	3000	3.14	1697	252	1157	49	713	2	235	6942	373	1004	571	1379	1171	982	1222
C-130	1000	1.446	2345	348	1598	68	985	3	325	9591	515	1387	788	1906	1618	1357	1689
B737	4000	4.791	1942	289	1324	56	816	2	269	7945	426	1149	653	1578	1340	1124	1399
DC-10	9400	9.715	1676	249	1142	48	704	2	232	6855	368	991	563	1362	1156	970	1207
AT 802 Hydromax/Vondran	800	1.41	2858	425	1948	83	1201	4	396	11690	627	1690	961	2323	1972	1654	2058
AT 802 Hatfield	800	0.62	1257	187	857	36	528	2	174	5140	276	743	423	1021	867	727	905
AT 802 FRDS I	800	0.827	1676	249	1143	49	705	2	232	6857	368	991	564	1362	1157	970	1207

8 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load															
BAe-146	3000	3.137	1695	252	1156	49	713	2	235	6936	372	1003	570	1378	1170	981	1221
RJ-85	3000	2.864	1548	230	1055	45	651	2	215	6332	340	915	520	1258	1068	896	1115
MD-87	3000	3.683	1991	296	1357	58	837	3	276	8143	437	1177	669	1618	1374	1152	1434
C-130	4000	3.562	1444	215	984	42	607	2	200	5907	317	854	485	1174	996	836	1040
B737	4000	3.54	1435	213	978	42	603	2	199	5870	315	849	482	1166	990	831	1034
DC-10	9400	6.308	1088	162	742	31	457	1	151	4451	239	644	366	884	751	630	784
AT 802 Hydromax/Vondran	800	1.11	2250	334	1534	65	946	3	312	9203	494	1331	756	1828	1552	1302	1620
AT 802 Hatfield	800	0.62	1257	187	857	36	528	2	174	5140	276	743	423	1021	867	727	905
AT 802 FRDS I	800	0.815	1652	246	1126	48	694	2	229	6757	363	977	555	1343	1140	956	1190

Calculations of Impact Acr

Region 5				
Forest	Six Rivers	Stanislaus	Tahoe	Region 5 Subtotal
Total	1,412,888	2,655,013	795,873	51,683,580

4 GPC Calculations				
aircraft				
BAe-146	2206	4144	1242	80678
RJ-85	1724	3240	971	63071
MD-87	1479	2779	833	54095
C-130	2043	3839	1151	74734
B737	1692	3180	953	61904
DC-10	1460	2744	823	53416
AT 802 Hydromax/Vondran	2490	4679	1403	91092
AT 802 Hatfield	1095	2058	617	40055
AT 802 FRDS I	1461	2745	823	53428

8 GPC Calculations				
aircraft				
BAe-146	1477	2776	832	54044
RJ-85	1349	2535	760	49341
MD-87	1735	3259	977	63450
C-130	1258	2364	709	46024
B737	1250	2350	704	45740
DC-10	948	1782	534	34683
AT 802 Hydromax/Vondran	1960	3684	1104	71711
AT 802 Hatfield	1095	2058	617	40055
AT 802 FRDS I	1439	2705	811	52653

Average (8 years)	176611	331877	99484	6460448
4 GPC Calculations				
aircraft				
BAe-146	276	518	155	10085
RJ-85	216	405	121	7884
MD-87	185	347	104	6762
C-130	255	480	144	9342
B737	212	398	119	7738
DC-10	183	343	103	6677
AT 802 Hydromax/Vondran	311	585	175	11387
AT 802 Hatfield	137	257	77	5007

Forest	Six Rivers	Stanislaus	Tahoe	Region 5 Subtotal
AT 802 FRDS I	183	343	103	668
8 GPC Calculations				
aircraft				
BAe-146	185	347	104	675
RJ-85	169	317	95	618
MD-87	217	407	122	793
C-130	157	296	89	575
B737	156	294	88	571
DC-10	119	223	67	433
AT 802 Hydromax/Vondran	245	460	138	896
AT 802 Hatfield	137	257	77	500
AT 802 FRDS I	180	338	101	652

Minimum	0	0	0	1856868
4 GPC Calculations				
aircraft				
BAe-146	0	0	0	2899
RJ-85	0	0	0	2266
MD-87	0	0	0	1944
C-130	0	0	0	2685
B737	0	0	0	2224
DC-10	0	0	0	1919
AT 802 Hydromax/Vondran	0	0	0	3273
AT 802 Hatfield	0	0	0	1439
AT 802 FRDS I	0	0	0	1920
8 GPC Calculations				
aircraft				
BAe-146	0	0	0	1942
RJ-85	0	0	0	1773
MD-87	0	0	0	2280
C-130	0	0	0	1654
B737	0	0	0	1643
DC-10	0	0	0	1246
AT 802 Hydromax/Vondran	0	0	0	2576
AT 802 Hatfield	0	0	0	1439
AT 802 FRDS I	0	0	0	1892

Forest	Six Rivers	Stanislaus	Tahoe	Region 5 Subtotal
Maximum	605784	2183081	585842	12584840
4 GPC Calculations				
aircraft				
BAe-146	946	3408	914	19645
RJ-85	739	2664	715	15358
MD-87	634	2285	613	13172
C-130	876	3157	847	18198
B737	726	2615	702	15073
DC-10	626	2256	605	13007
AT 802 Hydromax/Vondran	1068	3848	1033	22181
AT 802 Hatfield	469	1692	454	9753
AT 802 FRDS I	626	2257	606	13010
8 GPC Calculations				
aircraft				
BAe-146	633	2283	613	13160
RJ-85	578	2084	559	12014
MD-87	744	2680	719	15450
C-130	539	1944	522	11207
B737	536	1932	518	11138
DC-10	407	1465	393	8445
AT 802 Hydromax/Vondran	841	3029	813	17461
AT 802 Hatfield	469	1692	454	9753
AT 802 FRDS I	617	2224	597	12821

Calculations of Impact Acres for various aircraft

Region 6																
Forest			Columbia River Gorge	Colville	Deschutes and Ochoco	Fremont-Winema	Gifford Pinchot	Malheur	Mt Hood	Okanagon-Wenatchee	Rogue River-Siskiyou	Umatilla	Umpqua	Wallowa-Whitman	Willamette	Region 6 Subtotal
Total			17,248	434,907	1,294,840	445,661	204,580	9,446,825	100,219	2,975,955	2,012,446	707,359	419,817	1,098,137	158,428	10,816,422

4 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load														
BAe-146	3000	4.683	27	679	2021	696	319	14746	156	4645	3141	1104	655	1714	247	16884
RJ-85	3000	3.661	21	531	1580	544	250	11528	122	3632	2456	863	512	1340	193	13200
MD-87	3000	3.14	18	455	1355	466	214	9888	105	3115	2106	740	439	1149	166	11321
C-130	1000	1.446	25	629	1872	644	296	13660	145	4303	2910	1023	607	1588	229	15641
B737	4000	4.791	21	521	1551	534	245	11315	120	3564	2410	847	503	1315	190	12955
DC-10	9400	9.715	18	449	1338	461	211	9763	104	3076	2080	731	434	1135	164	11179
AT 802 Hydromax/Vondran	800	1.41	30	767	2282	785	361	16650	177	5245	3547	1247	740	1935	279	19064
AT 802 Hatfield	800	0.62	13	337	1004	345	159	7321	78	2306	1560	548	325	851	123	8383
AT 802 FRDS I	800	0.827	18	450	1339	461	211	9766	104	3076	2080	731	434	1135	164	11181

8 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load														
BAe-146	3000	3.137	18	455	1354	466	214	9878	105	3112	2104	740	439	1148	166	11310
RJ-85	3000	2.864	16	415	1236	425	195	9019	96	2841	1921	675	401	1048	151	10326
MD-87	3000	3.683	21	534	1590	547	251	11598	123	3653	2471	868	515	1348	194	13279
C-130	4000	3.562	15	387	1153	397	182	8412	89	2650	1792	630	374	978	141	9632
B737	4000	3.54	15	385	1146	394	181	8360	89	2634	1781	626	372	972	140	9573
DC-10	9400	6.308	12	292	869	299	137	6339	67	1997	1350	475	282	737	106	7259
AT 802 Hydromax/Vondran	800	1.11	24	603	1797	618	284	13107	139	4129	2792	981	582	1524	220	15008
AT 802 Hatfield	800	0.62	13	337	1004	345	159	7321	78	2306	1560	548	325	851	123	8383
AT 802 FRDS I	800	0.815	18	443	1319	454	208	9624	102	3032	2050	721	428	1119	161	11019

Average (8 years)			2156	54363	161855	55708	25573	118353	12527	371994	251556	88420	52477	137267	19804	1352053
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4 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load														
BAe-146	3000	4.683	3	85	253	87	40	185	20	581	393	138	82	214	31	2111
RJ-85	3000	3.661	3	66	198	68	31	144	15	454	307	108	64	168	24	1650
MD-87	3000	3.14	2	57	169	58	27	124	13	389	263	93	55	144	21	1415
C-130	1000	1.446	3	79	234	81	37	171	18	538	364	128	76	198	29	1955
B737	4000	4.791	3	65	194	67	31	142	15	446	301	106	63	164	24	1619
DC-10	9400	9.715	2	56	167	58	26	122	13	384	260	91	54	142	20	1397
AT 802 Hydromax/Vondran	800	1.41	4	96	285	98	45	209	22	656	443	156	92	242	35	2383
AT 802 Hatfield	800	0.62	2	42	125	43	20	92	10	288	195	69	41	106	15	1048

Forest			Columbia River Gorge	Colville	Deschutes and Ochoco	Fremont-Winema	Gifford Pinchot	Malheur	Mt Hood	Okanagon-Wenatchee	Rogue River-Siskiyou	Umatilla	Umpqua	Wallowa-Whitman	Willamette	Region 6 Subtotal
AT 802 FRDS I	800	0.827	2	56	167	58	26	122	13	385	260	91	54	142	20	1398
8 GPC Calculations																
aircraft	load (gallons)	Pattern Acres/load														
BAe-146	3000	3.137	2	57	169	58	27	124	13	389	263	92	55	144	21	1414
RJ-85	3000	2.864	2	52	155	53	24	113	12	355	240	84	50	131	19	1291
MD-87	3000	3.683	3	67	199	68	31	145	15	457	309	109	64	169	24	1660
C-130	4000	3.562	2	48	144	50	23	105	11	331	224	79	47	122	18	1204
B737	4000	3.54	2	48	143	49	23	105	11	329	223	78	46	121	18	1197
DC-10	9400	6.308	1	36	109	37	17	79	8	250	169	59	35	92	13	907
AT 802 Hydromax/Vondran	800	1.11	3	75	225	77	35	164	17	516	349	123	73	190	27	1876
AT 802 Hatfield	800	0.62	2	42	125	43	20	92	10	288	195	69	41	106	15	1048
AT 802 FRDS I	800	0.815	2	55	165	57	26	121	13	379	256	90	53	140	20	1377

Minimum			0	0	19651	6655	0	9058	0	19555	0	475	0	0	0	459785
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4 GPC Calculations																
aircraft	load (gallons)	Pattern Acres/load														
BAe-146	3000	4.683	0	0	31	10	0	14	0	31	0	1	0	0	0	718
RJ-85	3000	3.661	0	0	24	8	0	11	0	24	0	1	0	0	0	561
MD-87	3000	3.14	0	0	21	7	0	9	0	20	0	0	0	0	0	481
C-130	1000	1.446	0	0	28	10	0	13	0	28	0	1	0	0	0	665
B737	4000	4.791	0	0	24	8	0	11	0	23	0	1	0	0	0	551
DC-10	9400	9.715	0	0	20	7	0	9	0	20	0	0	0	0	0	475
AT 802 Hydromax/Vondran	800	1.41	0	0	35	12	0	16	0	34	0	1	0	0	0	810
AT 802 Hatfield	800	0.62	0	0	15	5	0	7	0	15	0	0	0	0	0	356
AT 802 FRDS I	800	0.827	0	0	20	7	0	9	0	20	0	0	0	0	0	475

8 GPC Calculations																
aircraft	load (gallons)	Pattern Acres/load														
BAe-146	3000	3.137	0	0	21	7	0	9	0	20	0	0	0	0	0	481
RJ-85	3000	2.864	0	0	19	6	0	9	0	19	0	0	0	0	0	439
MD-87	3000	3.683	0	0	24	8	0	11	0	24	0	1	0	0	0	564
C-130	4000	3.562	0	0	17	6	0	8	0	17	0	0	0	0	0	409
B737	4000	3.54	0	0	17	6	0	8	0	17	0	0	0	0	0	407
DC-10	9400	6.308	0	0	13	4	0	6	0	13	0	0	0	0	0	309
AT 802 Hydromax/Vondran	800	1.11	0	0	27	9	0	13	0	27	0	1	0	0	0	638
AT 802 Hatfield	800	0.62	0	0	15	5	0	7	0	15	0	0	0	0	0	356
AT 802 FRDS I	800	0.815	0	0	20	7	0	9	0	20	0	0	0	0	0	468

Forest			Columbia River Gorge	Colville	Deschutes and Ochoco	Fremont-Winema	Gifford Pinchot	Malheur	Mt Hood	Okanagon-Wenatchee	Rogue River-Siskiyou	Umatilla	Umpqua	Wallowa-Whitman	Willamette	Region 6 Subtotal
Maximum			11040	425944	644931	212854	201080	506507	52330	1322191	804424	295523	155978	293149	74859	2574766
4 GPC Calculations																
aircraft	load (gallons)	Pattern Acres/load														
BAe-146	3000	4.683	17	665	1007	332	314	791	82	2064	1256	461	243	458	117	4019
RJ-85	3000	3.661	13	520	787	260	245	618	64	1614	982	361	190	358	91	3142
MD-87	3000	3.14	12	446	675	223	210	530	55	1384	842	309	163	307	78	2695
C-130	1000	1.446	16	616	933	308	291	732	76	1912	1163	427	226	424	108	3723
B737	4000	4.791	13	510	772	255	241	607	63	1584	963	354	187	351	90	3084
DC-10	9400	9.715	11	440	667	220	208	523	54	1366	831	305	161	303	77	2661
AT 802 Hydromax/Vondran	800	1.41	19	751	1137	375	354	893	92	2330	1418	521	275	517	132	4538
AT 802 Hatfield	800	0.62	9	330	500	165	156	393	41	1025	623	229	121	227	58	1995
AT 802 FRDS I	800	0.827	11	440	667	220	208	524	54	1367	832	305	161	303	77	2662
8 GPC Calculations																
aircraft	load (gallons)	Pattern Acres/load														
BAe-146	3000	3.137	12	445	674	223	210	530	55	1383	841	309	163	307	78	2692
RJ-85	3000	2.864	11	407	616	203	192	484	50	1262	768	282	149	280	71	2458
MD-87	3000	3.683	14	523	792	261	247	622	64	1623	988	363	191	360	92	3161
C-130	4000	3.562	10	379	574	190	179	451	47	1177	716	263	139	261	67	2293
B737	4000	3.54	10	377	571	188	178	448	46	1170	712	262	138	259	66	2279
DC-10	9400	6.308	7	286	433	143	135	340	35	887	540	198	105	197	50	1728
AT 802 Hydromax/Vondran	800	1.11	15	591	895	295	279	703	73	1835	1116	410	216	407	104	3572
AT 802 Hatfield	800	0.62	9	330	500	165	156	393	41	1025	623	229	121	227	58	1995
AT 802 FRDS I	800	0.815	11	434	657	217	205	516	53	1347	820	301	159	299	76	2623

Calculations of Impact Acres for various aircraft

Region 8								
Forest			Chattahoochee-Oconee	Cherokee	NF in Florida	NF in Texas	North Carolina	Region 8 Subtotal
Total			17,420	19,954	99,660	11,200	19,583	167,817

4 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load						
BAe-146	3000	4.683	27	31	156	17	31	262
RJ-85	3000	3.661	21	24	122	14	24	205
MD-87	3000	3.14	18	21	104	12	20	176
C-130	1000	1.446	25	29	144	16	28	243
B737	4000	4.791	21	24	119	13	23	201
DC-10	9400	9.715	18	21	103	12	20	173
AT 802 Hydromax/Vondran	800	1.41	31	35	176	20	35	296
AT 802 Hatfield	800	0.62	14	15	77	9	15	130
AT 802 FRDS I	800	0.827	18	21	103	12	20	173

8 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load						
BAe-146	3000	3.137	18	21	104	12	20	175
RJ-85	3000	2.864	17	19	95	11	19	160
MD-87	3000	3.683	21	24	122	14	24	206
C-130	4000	3.562	16	18	89	10	17	149
B737	4000	3.54	15	18	88	10	17	149
DC-10	9400	6.308	12	13	67	8	13	113
AT 802 Hydromax/Vondran	800	1.11	24	28	138	16	27	233
AT 802 Hatfield	800	0.62	14	15	77	9	15	130
AT 802 FRDS I	800	0.815	18	20	102	11	20	171

Average (8 years)			2178	2494	12458	1400	2448	20977
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4 GPC Calculations

aircraft	load (gallons)	Pattern Acres/load						
BAe-146	3000	4.683	3	4	19	2	4	33
RJ-85	3000	3.661	3	3	15	2	3	26
MD-87	3000	3.14	2	3	13	1	3	22
C-130	1000	1.446	3	4	18	2	4	30
B737	4000	4.791	3	3	15	2	3	25
DC-10	9400	9.715	2	3	13	1	3	22
AT 802 Hydromax/Vondran	800	1.41	4	4	22	2	4	37
AT 802 Hatfield	800	0.62	2	2	10	1	2	16
AT 802 FRDS I	800	0.827	2	3	13	1	3	22

Forest			Chattahoochee-Oconee	Cherokee	NF in Florida	NF in Texas	North Carolina	Region 8 Subtotal
8 GPC Calculations								
aircraft	load (gallons)	Pattern Acres/load						
BAe-146	3000	3.137	2	3	13	1	3	22
RJ-85	3000	2.864	2	2	12	1	2	20
MD-87	3000	3.683	3	3	15	2	3	26
C-130	4000	3.562	2	2	11	1	2	19
B737	4000	3.54	2	2	11	1	2	19
DC-10	9400	6.308	1	2	8	1	2	14
AT 802 Hydromax/Vondran	800	1.11	3	3	17	2	3	29
AT 802 Hatfield	800	0.62	2	2	10	1	2	16
AT 802 FRDS I	800	0.815	2	3	13	1	2	21

Minimum			0	0	0	0	0	0
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4 GPC Calculations								
aircraft	load (gallons)	Pattern Acres/load						
BAe-146	3000	4.683	0	0	0	0	0	0
RJ-85	3000	3.661	0	0	0	0	0	0
MD-87	3000	3.14	0	0	0	0	0	0
C-130	1000	1.446	0	0	0	0	0	0
B737	4000	4.791	0	0	0	0	0	0
DC-10	9400	9.715	0	0	0	0	0	0
AT 802 Hydromax/Vondran	800	1.41	0	0	0	0	0	0
AT 802 Hatfield	800	0.62	0	0	0	0	0	0
AT 802 FRDS I	800	0.827	0	0	0	0	0	0

8 GPC Calculations								
aircraft	load (gallons)	Pattern Acres/load						
BAe-146	3000	3.137	0	0	0	0	0	0
RJ-85	3000	2.864	0	0	0	0	0	0
MD-87	3000	3.683	0	0	0	0	0	0
C-130	4000	3.562	0	0	0	0	0	0
B737	4000	3.54	0	0	0	0	0	0
DC-10	9400	6.308	0	0	0	0	0	0
AT 802 Hydromax/Vondran	800	1.11	0	0	0	0	0	0
AT 802 Hatfield	800	0.62	0	0	0	0	0	0
AT 802 FRDS I	800	0.815	0	0	0	0	0	0

Forest			Chattahoochee-Oconee	Cherokee	NF in Florida	NF in Texas	North Carolina	Region 8 Subtotal
Maximum			17420	19954	64098	11200	19583	64098
4 GPC Calculations								
aircraft	load (gallons)	Pattern Acres/load						
BAe-146	3000	4.683	27	31	100	17	31	100
RJ-85	3000	3.661	21	24	78	14	24	78
MD-87	3000	3.14	18	21	67	12	20	67
C-130	1000	1.446	25	29	93	16	28	93
B737	4000	4.791	21	24	77	13	23	77
DC-10	9400	9.715	18	21	66	12	20	66
AT 802 Hydromax/Vondran	800	1.41	31	35	113	20	35	113
AT 802 Hatfield	800	0.62	14	15	50	9	15	50
AT 802 FRDS I	800	0.827	18	21	66	12	20	66
8 GPC Calculations								
aircraft	load (gallons)	Pattern Acres/load						
BAe-146	3000	3.137	18	21	67	12	20	67
RJ-85	3000	2.864	17	19	61	11	19	61
MD-87	3000	3.683	21	24	79	14	24	79
C-130	4000	3.562	16	18	57	10	17	57
B737	4000	3.54	15	18	57	10	17	57
DC-10	9400	6.308	12	13	43	8	13	43
AT 802 Hydromax/Vondran	800	1.11	24	28	89	16	27	89
AT 802 Hatfield	800	0.62	14	15	50	9	15	50
AT 802 FRDS I	800	0.815	18	20	65	11	20	65

Calculations of Impact Acres for various aircraft

Region 9 plus							GRAND TOTAL
Forest			Chippewa	Mark Twain	Superior	Region 9 Subtotal	
Total			10,796	18,170	84,126	113,092	102,362,031
4 GPC Calculations							
aircraft	load (gallons)	Pattern Acres/load					
BAe-146	3000	4.683	17	28	131	177	159787
RJ-85	3000	3.661	13	22	103	138	124916
MD-87	3000	3.14	11	19	88	118	107139
C-130	1000	1.446	16	26	122	164	148015
B737	4000	4.791	13	22	101	135	122604
DC-10	9400	9.715	11	19	87	117	105792
AT 802 Hydromax/\	800	1.41	19	32	148	199	180413
AT 802 Hatfield	800	0.62	8	14	65	88	79331
AT 802 FRDS I	800	0.827	11	19	87	117	105817
8 GPC Calculations							
aircraft	load (gallons)	Pattern Acres/load					
BAe-146	3000	3.137	11	19	88	118	107037
RJ-85	3000	2.864	10	17	80	108	97722
MD-87	3000	3.683	13	22	103	139	125666
C-130	4000	3.562	10	16	75	101	91153
B737	4000	3.54	10	16	74	100	90590
DC-10	9400	6.308	7	12	56	76	68691
AT 802 Hydromax/\	800	1.11	15	25	117	157	142027
AT 802 Hatfield	800	0.62	8	14	65	88	79331
AT 802 FRDS I	800	0.815	11	19	86	115	104281
Average (8 years)			1350	2271	10516	14137	12795254
4 GPC Calculations							
aircraft	load (gallons)	Pattern Acres/load					
BAe-146	3000	4.683	2	4	16	22	19973
RJ-85	3000	3.661	2	3	13	17	15614
MD-87	3000	3.14	1	2	11	15	13392
C-130	1000	1.446	2	3	15	20	18502
B737	4000	4.791	2	3	13	17	15326
DC-10	9400	9.715	1	2	11	15	13224
AT 802 Hydromax/\	800	1.41	2	4	19	25	22552
AT 802 Hatfield	800	0.62	1	2	8	11	9916
AT 802 FRDS I	800	0.827	1	2	11	15	13227

Forest			Chippewa	Mark Twain	Superior	Region 9 Subtotal		GRAND TOTAL
8 GPC Calculations								
aircraft	load (gallons)	Pattern Acres/load						
BAe-146	3000	3.137	1	2	11	15		13380
RJ-85	3000	2.864	1	2	10	13		12215
MD-87	3000	3.683	2	3	13	17		15708
C-130	4000	3.562	1	2	9	13		11394
B737	4000	3.54	1	2	9	13		11324
DC-10	9400	6.308	1	2	7	9		8586
AT 802 Hydromax/\	800	1.11	2	3	15	20		17753
AT 802 Hatfield	800	0.62	1	2	8	11		9916
AT 802 FRDS I	800	0.815	1	2	11	14		13035

Minimum			0	0	0	0		6769496
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4 GPC Calculations								
aircraft	load (gallons)	Pattern Acres/load						
BAe-146	3000	4.683	0	0	0	0		10567
RJ-85	3000	3.661	0	0	0	0		8261
MD-87	3000	3.14	0	0	0	0		7085
C-130	1000	1.446	0	0	0	0		9789
B737	4000	4.791	0	0	0	0		8108
DC-10	9400	9.715	0	0	0	0		6996
AT 802 Hydromax/\	800	1.41	0	0	0	0		11931
AT 802 Hatfield	800	0.62	0	0	0	0		5246
AT 802 FRDS I	800	0.827	0	0	0	0		6998

8 GPC Calculations								
aircraft	load (gallons)	Pattern Acres/load						
BAe-146	3000	3.137	0	0	0	0		7079
RJ-85	3000	2.864	0	0	0	0		6463
MD-87	3000	3.683	0	0	0	0		8311
C-130	4000	3.562	0	0	0	0		6028
B737	4000	3.54	0	0	0	0		5991
DC-10	9400	6.308	0	0	0	0		4543
AT 802 Hydromax/\	800	1.11	0	0	0	0		9393
AT 802 Hatfield	800	0.62	0	0	0	0		5246
AT 802 FRDS I	800	0.815	0	0	0	0		6896

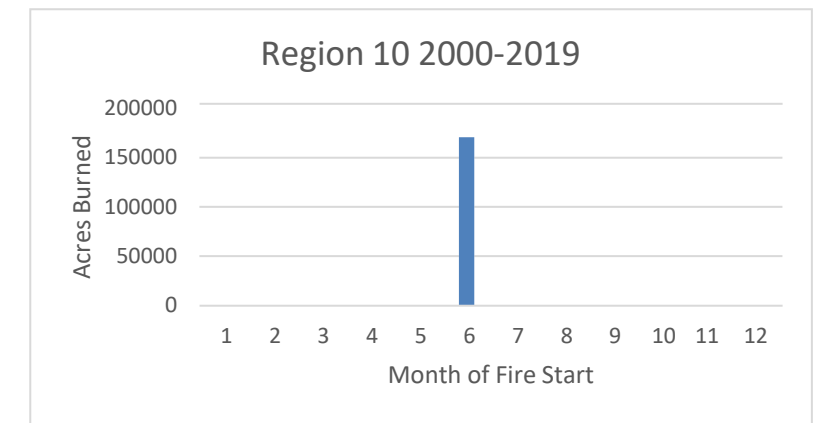
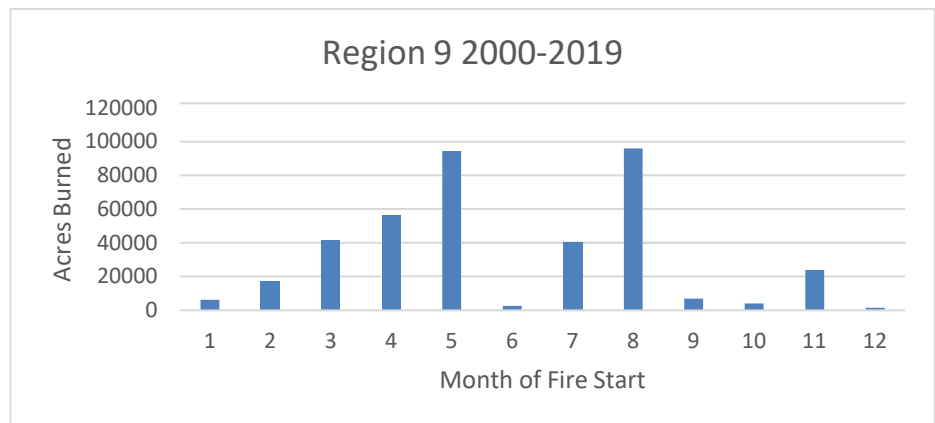
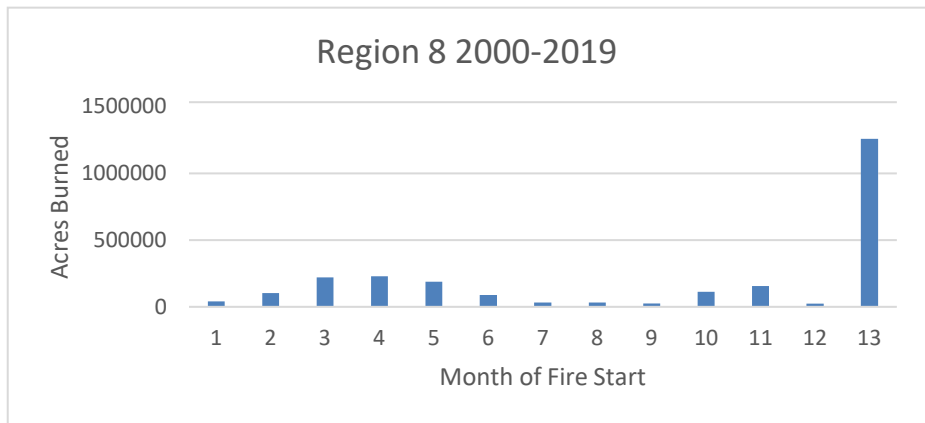
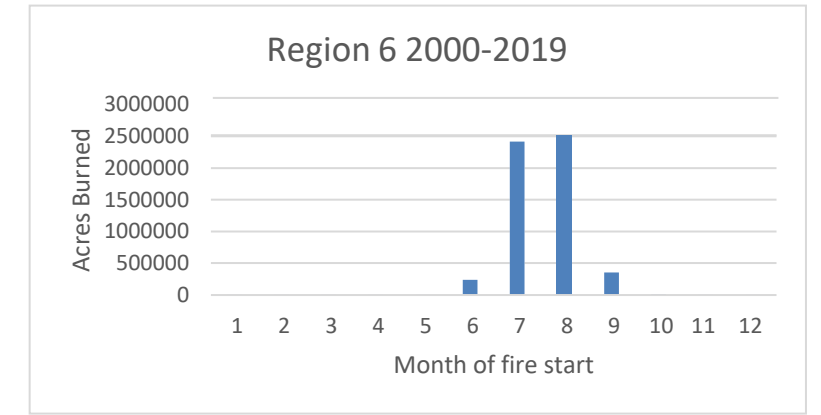
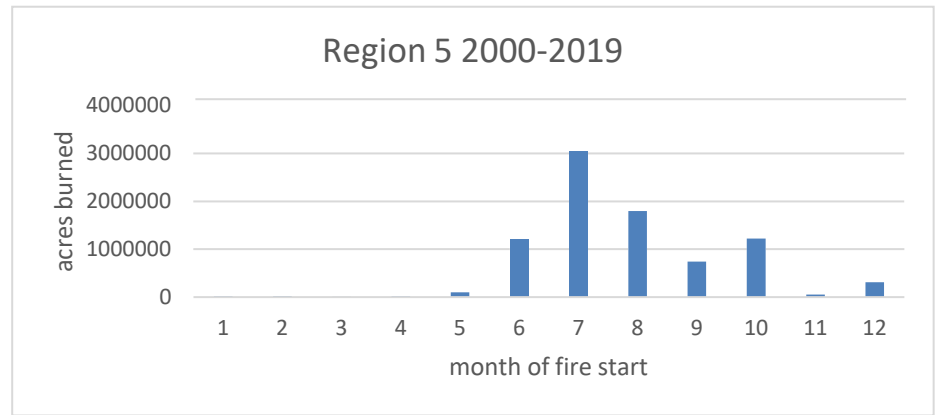
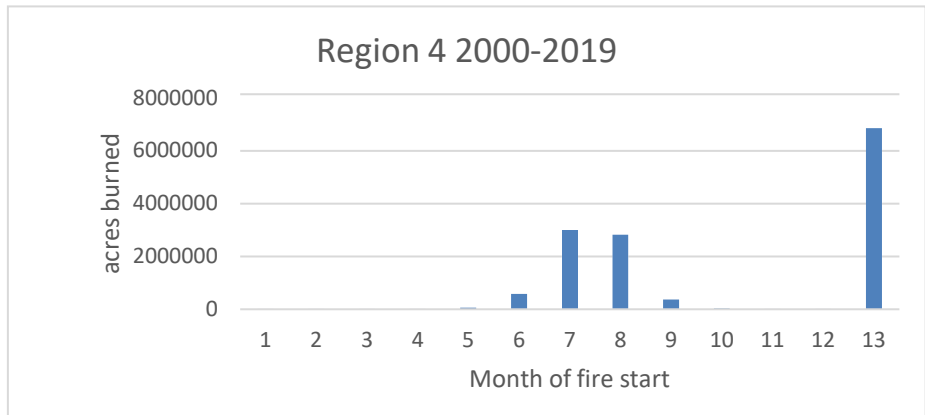
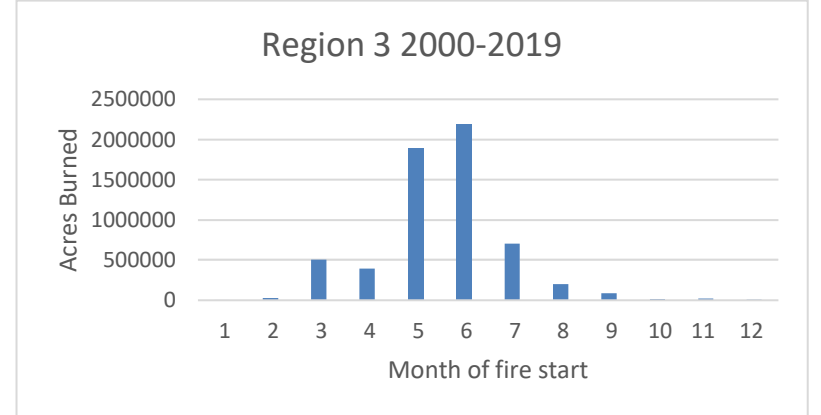
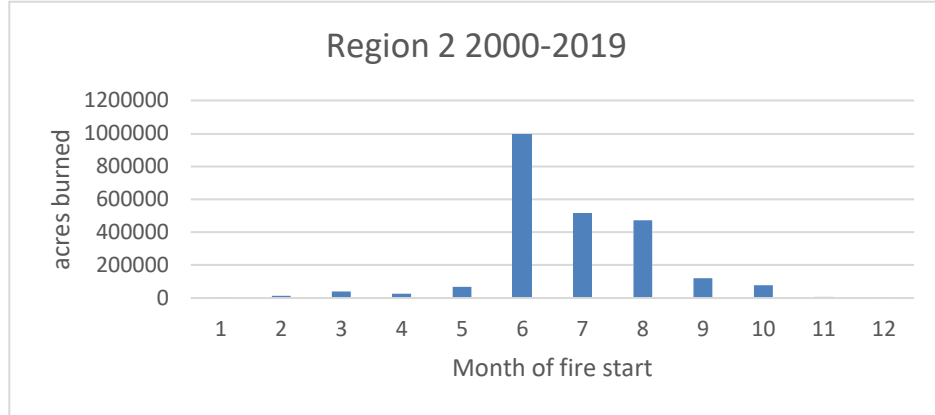
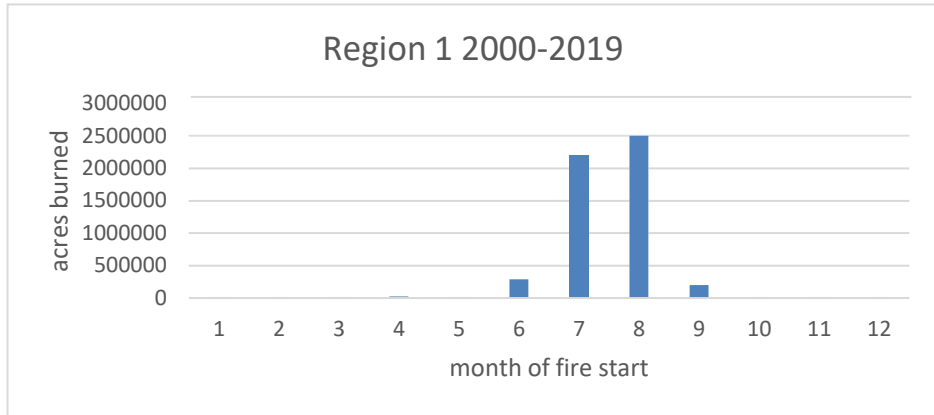
Forest			Chippewa	Mark Twain	Superior	Region 9 Subtotal		GRAND TOTAL
Maximum			8000	15154	73630	75826		19021716
4 GPC Calculations								
aircraft	load (gallons)	Pattern Acres/load						
BAe-146	3000	4.683	12	24	115	118		29693
RJ-85	3000	3.661	10	18	90	93		23213
MD-87	3000	3.14	8	16	77	79		19909
C-130	1000	1.446	12	22	106	110		27505
B737	4000	4.791	10	18	88	91		22783
DC-10	9400	9.715	8	16	76	78		19659
AT 802 Hydromax/\	800	1.41	14	27	130	134		33526
AT 802 Hatfield	800	0.62	6	12	57	59		14742
AT 802 FRDS I	800	0.827	8	16	76	78		19664
8 GPC Calculations								
aircraft	load (gallons)	Pattern Acres/load						
BAe-146	3000	3.137	8	16	77	79		19890
RJ-85	3000	2.864	8	14	70	72		18159
MD-87	3000	3.683	10	19	90	93		23352
C-130	4000	3.562	7	13	66	68		16939
B737	4000	3.54	7	13	65	67		16834
DC-10	9400	6.308	5	10	49	51		12765
AT 802 Hydromax/\	800	1.11	11	21	102	105		26393
AT 802 Hatfield	800	0.62	6	12	57	59		14742
AT 802 FRDS I	800	0.815	8	15	75	77		19378

Region	Forest	Total	acres of impact at			Average (8 years)	frequency	acres of impact at			min	acres of impact at			max	acres of impact at		
			4 gpc	8 gpc	# of drops			4 gpc	8 gpc	# of drops		4 gpc	8 gpc	# of drops		4 gpc	8 gpc	# of drops
4	Ashley	63,315	36.3	18.2	25	7,914.4	0.625	4.5	2.3	3	0	0.0	0.0	0	31,699	18.2	9.1	13
4	Boise	2,710,760	1,555.8	777.9	1,084	338,845.0	1.000	194.5	97.2	136	51,487	29.5	14.8	21	1,089,698	625.4	312.7	436
4	Bridger-Teton	1,284,666	737.3	368.6	514	160,583.3	0.750	92.2	46.1	64	0	0.0	0.0	0	1,100,133	631.4	315.7	440
4	Caribou-Targhee	113,397	65.1	32.5	45	14,174.6	0.625	8.1	4.1	6	0	0.0	0.0	0	27,763	15.9	8.0	11
4	Dixie	1,326,390	761.2	380.6	531	165,798.8	0.875	95.2	47.6	66	0	0.0	0.0	0	583,796	335.1	167.5	234
4	Fishlake	350,182	201.0	100.5	140	43,772.8	0.875	25.1	12.6	18	0	0.0	0.0	0	139,992	80.3	40.2	56
4	Humboldt-Toiyabe	2,169,855	1,245.3	622.7	868	271,231.9	1.000	155.7	77.8	108	54,814	31.5	15.7	22	799,092	458.6	229.3	320
4	Manti-La Sal	331,292	190.1	95.1	133	41,411.5	0.625	23.8	11.9	17	0	0.0	0.0	0	298,164	171.1	85.6	119
4	Payette	1,574,718	903.8	451.9	630	196,839.8	0.875	113.0	56.5	79	0	0.0	0.0	0	370,691	212.7	106.4	148
4	Salmon-Challis	791,114	454.0	227.0	316	98,889.3	0.750	56.8	28.4	40	0	0.0	0.0	0	311,565	178.8	89.4	125
4	Sawtooth	749,524	430.2	215.1	300	93,690.5	0.875	53.8	26.9	37	0	0.0	0.0	0	238,515	136.9	68.4	95
4	Uinta-Wasatch-Cache	2,765,419	1,587.1	793.6	1,106	345,677.4	1.000	198.4	99.2	138	9,159	5.3	2.6	4	1,296,433	744.1	372.0	519
	Region 4 Subtotal	14,230,632	8,167.3	4,083.6	5,692	1,778,829.0	1.000	1,020.9	510.5	712	506,953	291.0	145.5	203	4,378,347	2,512.8	1,256.4	1,751
5	Angeles	3,777,882	2,168.2	1,084.1	1,511	472,235.3	1.000	271.0	135.5	189	65,107	37.4	18.7	26	1,621,384	930.5	465.3	649
5	Cleveland	2,334,163	1,339.6	669.8	934	291,770.4	1.000	167.5	83.7	117	1,043	0.6	0.3	0	241,003	138.3	69.2	96
5	Eldorado	1,416,203	812.8	406.4	566	177,025.4	0.875	101.6	50.8	71	0	0.0	0.0	0	1,105,366	634.4	317.2	442
5	Inyo	889,980	510.8	255.4	356	111,247.5	1.000	63.8	31.9	44	4,932	2.8	1.4	2	462,918	265.7	132.8	185
5	Klamath	4,118,014	2,363.4	1,181.7	1,647	514,751.8	1.000	295.4	147.7	206	33,907	19.5	9.7	14	681,512	391.1	195.6	273
5	LTBMU	2,075	1.2	0.6	1	259.4	0.125	0.1	0.1	0	0	0.0	0.0	0	2,075	1.2	0.6	1
5	Lassen	599,516	344.1	172.0	240	74,939.5	1.000	43.0	21.5	30	0	0.0	0.0	0	224,816	129.0	64.5	90
5	Los Padres	9,287,593	5,330.3	2,665.2	3,715	1,160,949.1	1.000	666.3	333.1	464	11,203	6.4	3.2	4	6,632,898	3,806.8	1,903.4	2,653
5	Mendocino	741,948	425.8	212.9	297	92,743.5	0.875	53.2	26.6	37	0	0.0	0.0	0	356,023	204.3	102.2	142
5	Modoc	1,927,851	1,106.4	553.2	771	240,981.4	1.000	138.3	69.2	96	23,754	13.6	6.8	10	958,958	550.4	275.2	384
5	Plumas	1,838,511	1,055.2	527.6	735	229,813.9	1.000	131.9	65.9	92	19,497	11.2	5.6	8	545,196	312.9	156.4	218
5	San Bernadino	5,962,980	3,422.3	1,711.1	2,385	745,372.5	1.000	427.8	213.9	298	25,408	14.6	7.3	10	1,317,829	756.3	378.2	527
5	Sequoia	3,773,826	2,165.9	1,082.9	1,510	471,728.3	1.000	270.7	135.4	189	16,101	9.2	4.6	6	1,118,843	642.1	321.1	448
5	Shasta-Trinity	3,467,858	1,990.3	995.1	1,387	433,482.3	1.000	248.8	124.4	173	31,293	18.0	9.0	13	938,581	538.7	269.3	375
5	Sierra	6,681,406	3,834.6	1,917.3	2,673	835,175.8	1.000	479.3	239.7	334	20,706	11.9	5.9	8	1,167,893	670.3	335.1	467
5	Six Rivers	1,412,888	810.9	405.4	565	176,611.0	0.875	101.4	50.7	71	0	0.0	0.0	0	605,784	347.7	173.8	242
5	Stanislaus	2,655,013	1,523.8	761.9	1,062	331,876.6	0.750	190.5	95.2	133	0	0.0	0.0	0	2,183,081	1,252.9	626.5	873
5	Tahoe	795,873	456.8	228.4	318	99,484.1	0.750	57.1	28.5	40	0	0.0	0.0	0	585,842	336.2	168.1	234
	Region 5 Subtotal	51,683,580	29,662.3	14,831.1	20,673	6,460,447.5	1.000	3,707.8	1,853.9	2,584	1,856,868	1,065.7	532.8	743	12,584,840	7,222.7	3,611.4	5,034

Region	Forest	Total	acres of impact at			Average (8 years)	frequency	acres of impact at			min	acres of impact at			max	acres of impact at		
			4 gpc	8 gpc	# of drops			4 gpc	8 gpc	# of drops		4 gpc	8 gpc	# of drops		4 gpc	8 gpc	# of drops
6	Columbia River Gorge	17,248	9.9	4.9	7	2,156.0	0.250	1.2	0.6	1	0	0.0	0.0	0	11,040	6.3	3.2	4
6	Colville	434,907	249.6	124.8	174	54,363.4	0.375	31.2	15.6	22	0	0.0	0.0	0	425,944	244.5	122.2	170
6	Deschutes and Ochoco	1,294,840	743.1	371.6	518	161,855.0	1.000	92.9	46.4	65	19,651	11.3	5.6	8	644,931	370.1	185.1	258
6	Fremont-Winema	445,661	255.8	127.9	178	55,707.6	1.000	32.0	16.0	22	6,655	3.8	1.9	3	212,854	122.2	61.1	85
6	Gifford Pinchot	204,580	117.4	58.7	82	25,572.5	0.250	14.7	7.3	10	0	0.0	0.0	0	201,080	115.4	57.7	80
6	Malheur	946,825	543.4	271.7	379	118,353.1	1.000	67.9	34.0	47	9,058	5.2	2.6	4	506,507	290.7	145.3	203
6	Mt Hood	100,219	57.5	28.8	40	12,527.4	0.500	7.2	3.6	5	0	0.0	0.0	0	52,330	30.0	15.0	21
6	Okanagon-Wenatchee	2,975,955	1,708.0	854.0	1,190	371,994.4	1.000	213.5	106.7	149	19,555	11.2	5.6	8	1,322,191	758.8	379.4	529
6	Rogue River-Siskiyou	2,012,446	1,155.0	577.5	805	251,555.8	0.750	144.4	72.2	101	0	0.0	0.0	0	804,424	461.7	230.8	322
6	Umatilla	707,359	406.0	203.0	283	88,419.9	1.000	50.7	25.4	35	475	0.3	0.1	0	295,523	169.6	84.8	118
6	Umpqua	419,817	240.9	120.5	168	52,477.1	0.625	30.1	15.1	21	0	0.0	0.0	0	155,978	89.5	44.8	62
6	Wallowa-Whitman	1,098,137	630.2	315.1	439	137,267.1	0.875	78.8	39.4	55	0	0.0	0.0	0	293,149	168.2	84.1	117
6	Willamette	158,428	90.9	45.5	63	19,803.5	0.625	11.4	5.7	8	0	0.0	0.0	0	74,859	43.0	21.5	30
	Region 6 Subtotal	10,816,422	6,207.8	3,103.9	4,327	1,352,052.8	1.000	776.0	388.0	541	459,785	263.9	131.9	184	2,574,766	1,477.7	738.9	1,030
8	Chattahoochee-Oconee	17,420	10.0	5.0	7	2,177.5	0.125	1.2	0.6	1	0	0.0	0.0	0	17,420	10.0	5.0	7
8	Cherokee	19,954	11.5	5.7	8	2,494.3	0.125	1.4	0.7	1	0	0.0	0.0	0	19,954	11.5	5.7	8
8	NF in Florida	99,660	57.2	28.6	40	12,457.5	0.250	7.1	3.6	5	0	0.0	0.0	0	64,098	36.8	18.4	26
8	NF in Texas	11,200	6.4	3.2	4	1,400.0	0.125	0.8	0.4	1	0	0.0	0.0	0	11,200	6.4	3.2	4
8	North Carolina	19,583	11.2	5.6	8	2,447.9	0.125	1.4	0.7	1	0	0.0	0.0	0	19,583	11.2	5.6	8
	Region 8 Subtotal	167,817	96.3	48.2	67	20,977.1	0.500	12.0	6.0	8	0	0.0	0.0	0	64,098	36.8	18.4	26
9	Chippewa	10,796	6.2	3.1	4	1,349.5	0.375	0.8	0.4	1	0	0.0	0.0	0	8,000	4.6	2.3	3
9	Mark Twain	18,170	10.4	5.2	7	2,271.3	0.250	1.3	0.7	1	0	0.0	0.0	0	15,154	8.7	4.3	6
9	Superior	84,126	48.3	24.1	34	10,515.8	0.250	6.0	3.0	4	0	0.0	0.0	0	73,630	42.3	21.1	29
	Region 9 Subtotal	113,092	64.9	32.5	45	14,136.5	0.500	8.1	4.1	6	0	0.0	0.0	0	75,826	43.5	21.8	30
	GRAND TOTAL	102,362,031	58,747.7	29,373.9	40,945	12,795,253.9		7,343.5	3,671.7	5,118	6,769,496	3,885.2	1,942.6	2,708	19,021,716	10,917.0	5,458.5	7,609

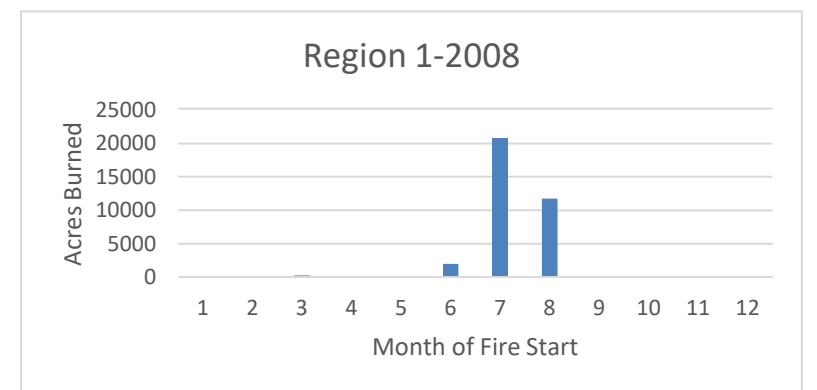
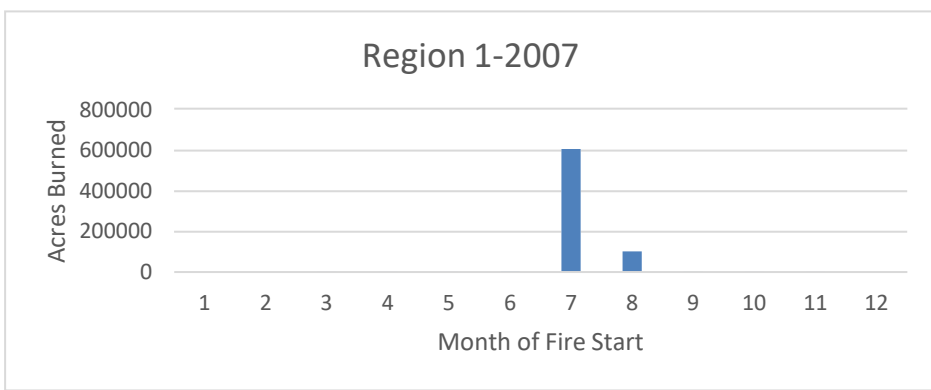
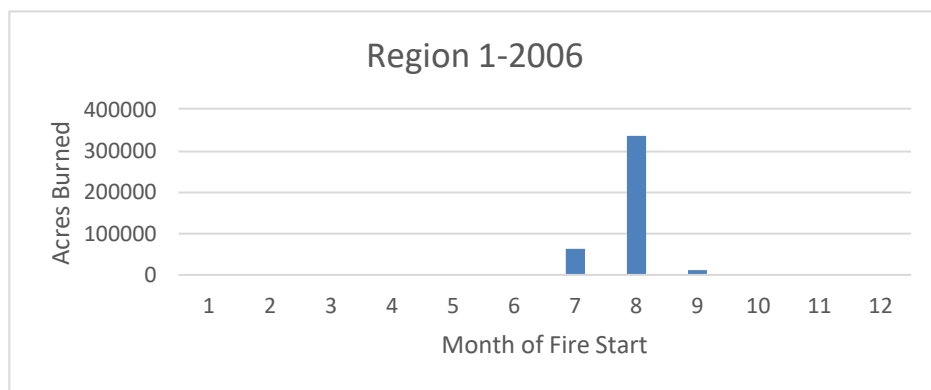
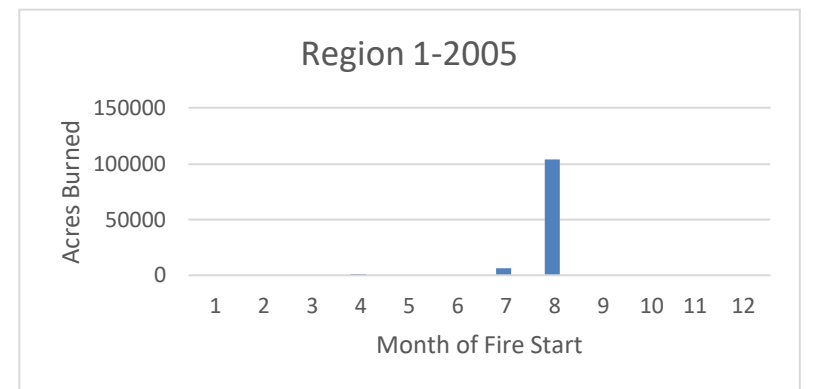
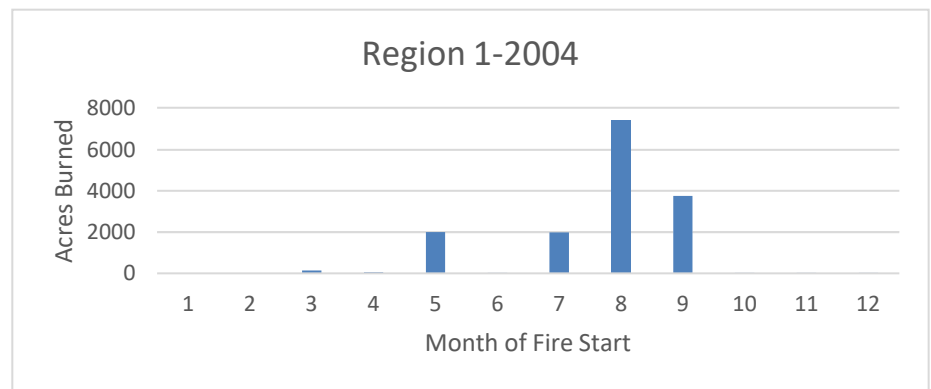
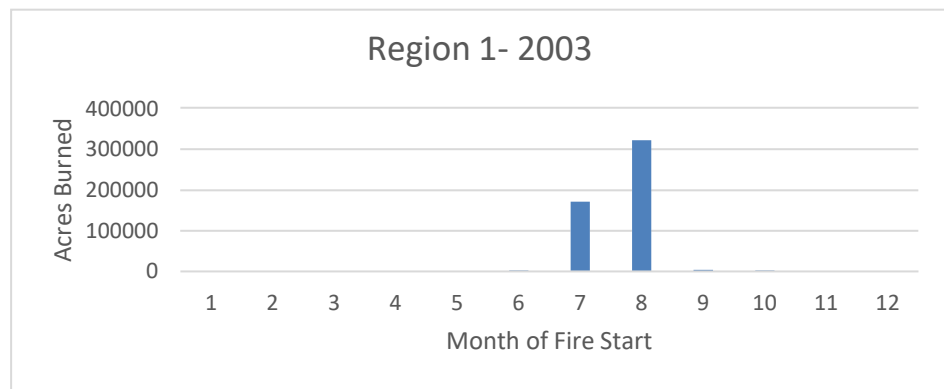
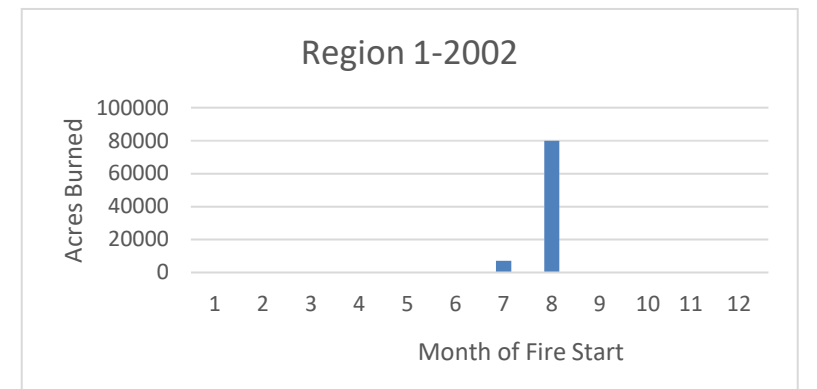
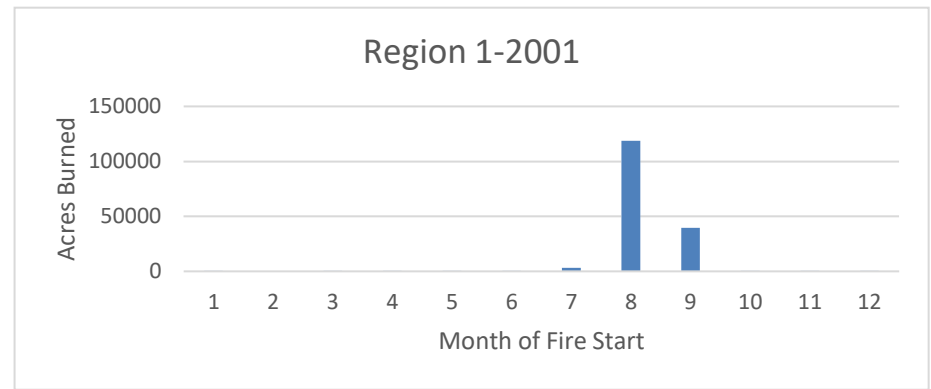
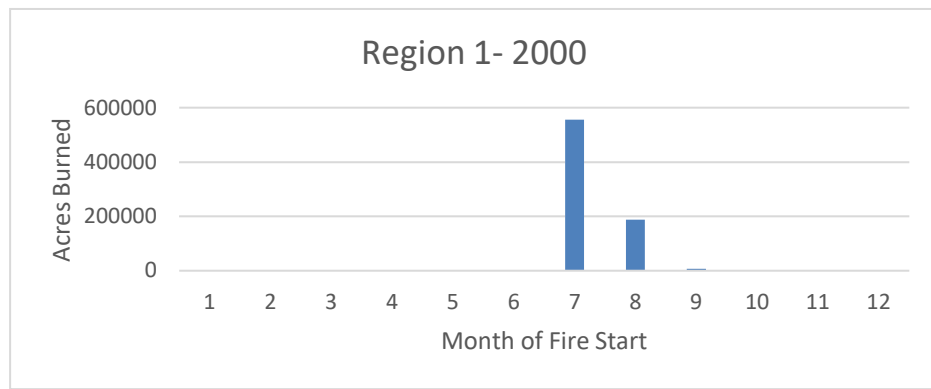
Acres burned by Month, by Region for the period 2000-2019

Region	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
1	183.45	338.36	7127.86	23338.62	6801.96	291052.03	2194360.45	2500530.7	203900.98	5101.57	689.11	170.15	5233595.24
2	6393.03	12725.94	41488.43	27370.9	67441.06	996410.21	516572.98	473715.89	120333	76968.75	7910.16	387.55	2347717.9
3	3243.12	27332.08	504249.92	393431.23	1888942.67	2192152.88	704472.92	202722.51	89003.8	16049.66	23471.28	8648.99	6053721.06
4	3184.71	224	363.6	1339.94	55250.16	579648.81	3008946.07	2818068.63	366080.48	21633.05	3564.73	6.18	6858310.36
5	15954.66	22778.68	2238.84	11034.57	100500.57	1219669.81	3056888.16	1799668.86	740832.14	1226349.17	54577.4	306505.39	8556998.25
6	7	7.52	158.13	427.29	2626.65	237832.65	2413661.88	2514557.69	357797.73	10646.03	1909.03	120.37	5539751.97
8	40502.64	103834.99	220135.18	230986.28	189498.7	88771.44	33592.63	32947.72	26464.66	112578.8	155043.74	23276.72	1257633.5
9	6213.95	17333.66	41750.73	56408.77	94431.52	2537.5	40199.43	95998.08	6945.91	4097.29	23907.26	1514.09	391338.19
10	0	0	1.5	327.52	207.74	170639.36	23.68	24.71	13.35	0.65	0.3	0	171238.81

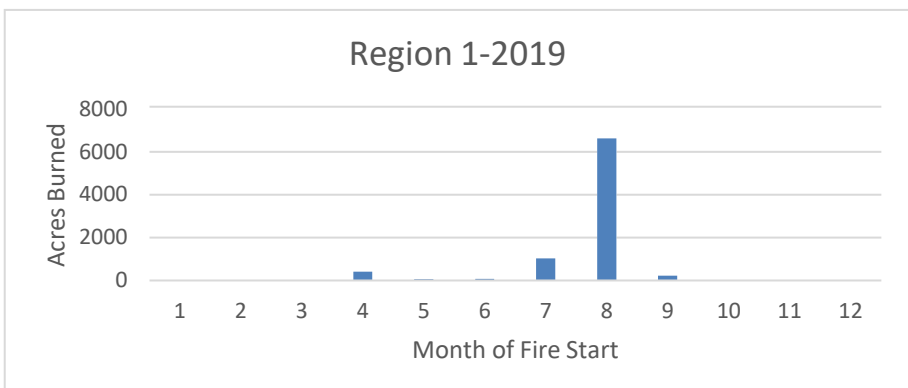
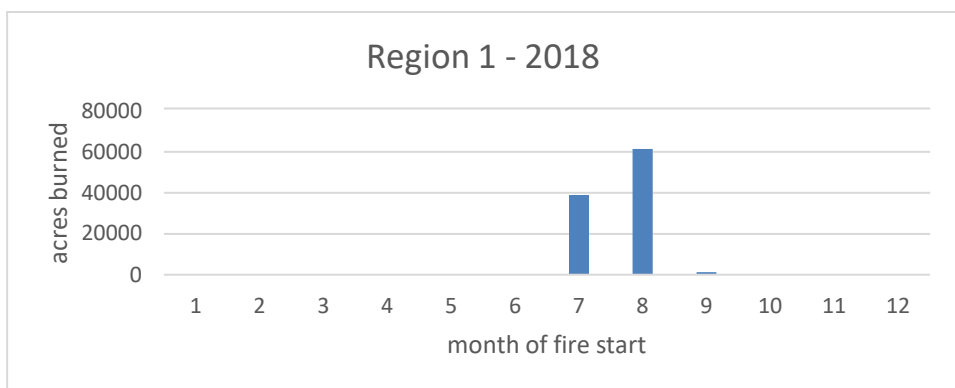
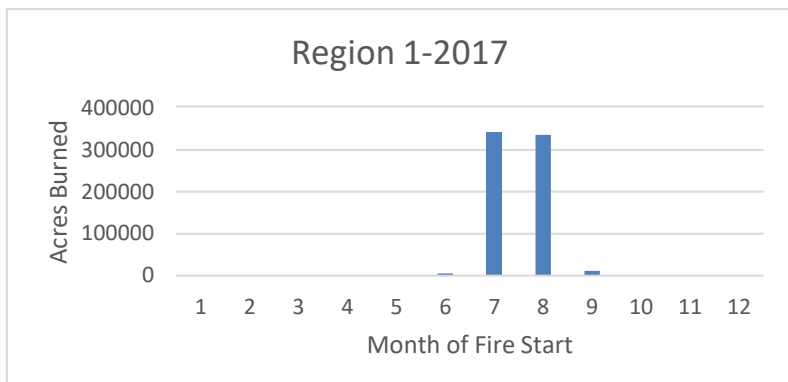
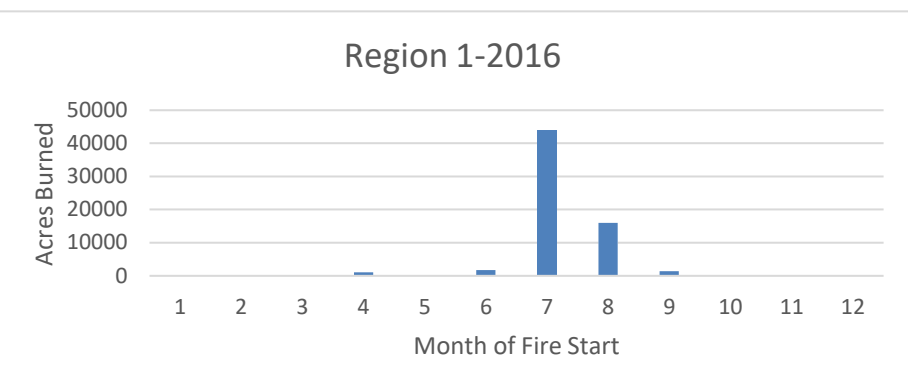
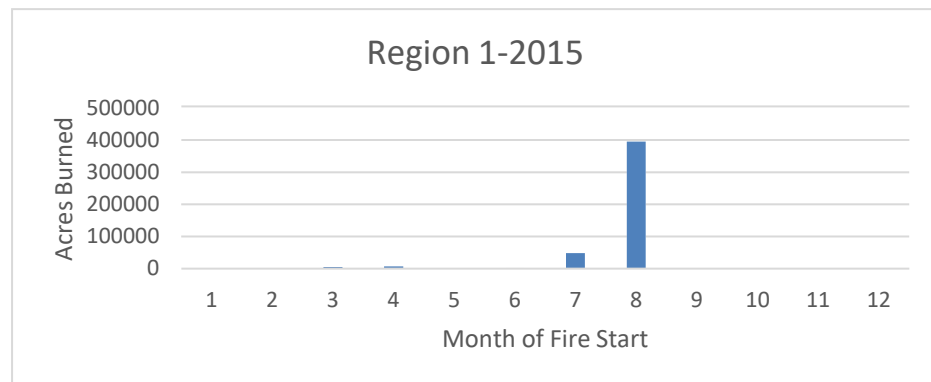
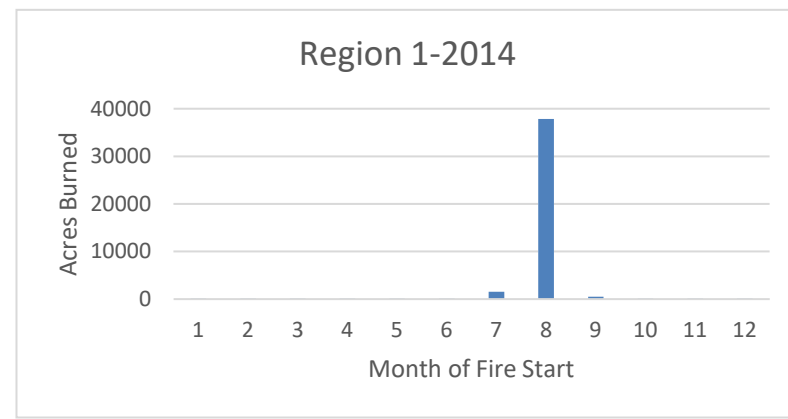
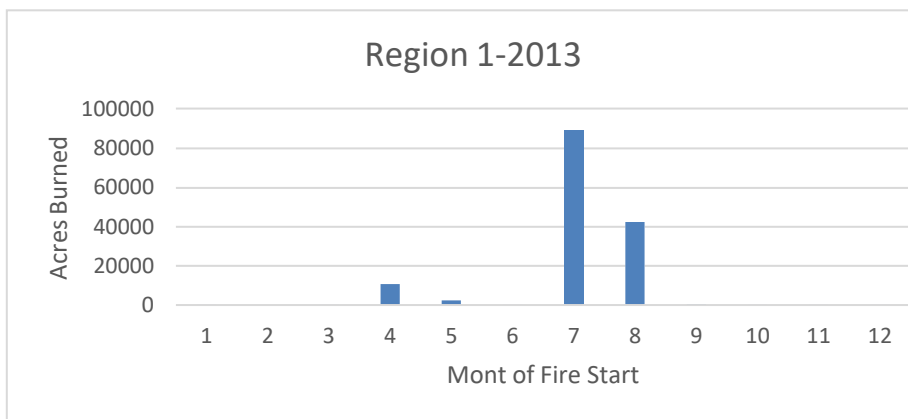
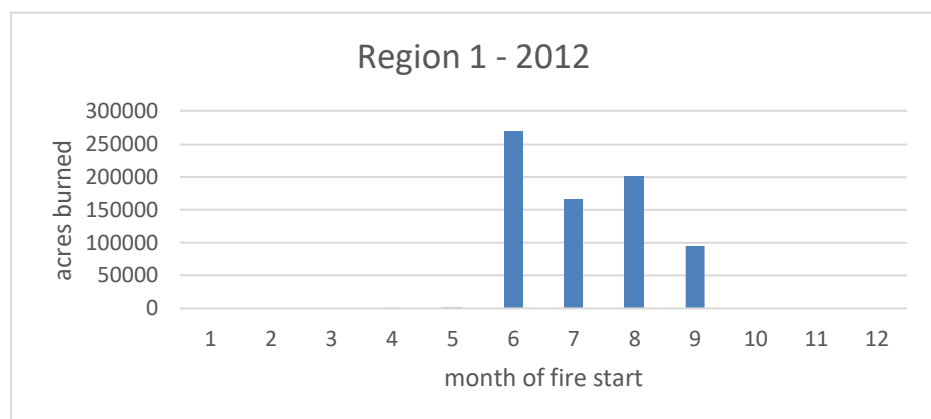
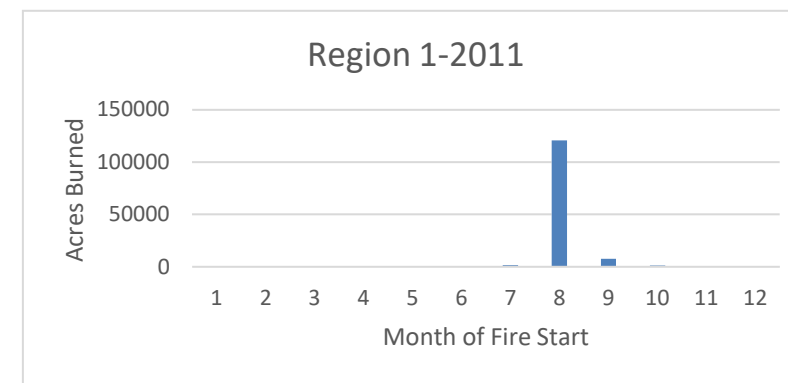
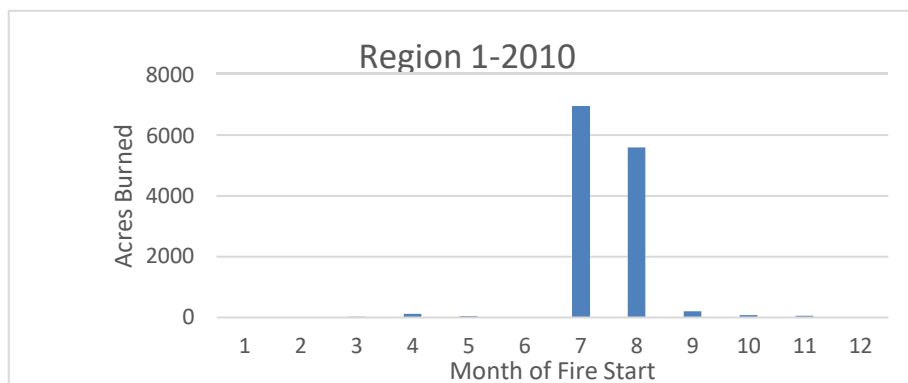
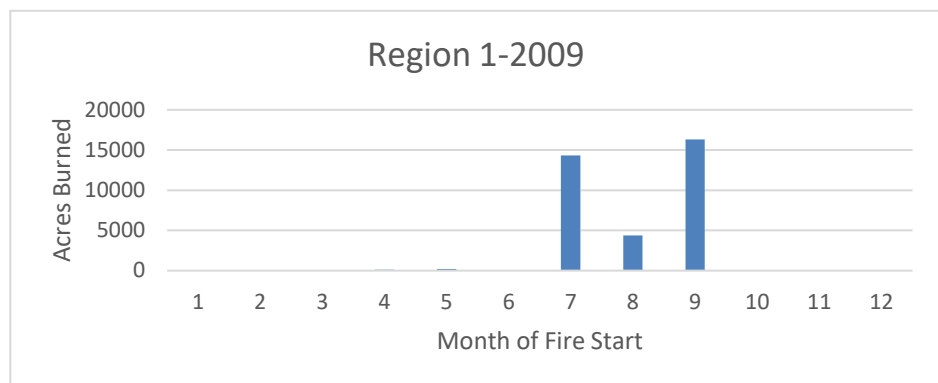


Acres burned in Region 1 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0.1	0.1	5	36	0	0	0	0.2	1.1	0.1	0	1.25	11.2	1.1	0.3	112	0	0	0	15
February	0	0	0	0	0	27.7	11.25	0	0.7	0	1	15.25	246	0	0.1	35.1	1.06	0	0.1	0.1
March	19.81	109.5	0	1005.1	133.7	289	102.2	7.63	250.01	0	24.37	0	141.8	25.66	49.65	4717.25	224.68	26.7	0.2	0.6
April	126.1	58.1	128.3	160.5	37.2	1259.46	221.63	48.5	72.65	112.86	116.4	128.1	1139.56	10774.88	67.67	7280.46	1096.55	11	83.6	415.1
May	49.9	253.6	128.1	9.3	2005.15	24.1	93.31	41.18	77.9	212.96	51.35	7.5	1362.11	2329.09	12.95	37.98	26.6	14.39	8.55	55.94
June	593.2	336.2	313.3	2499.95	24.15	40.95	126.65	4931.1	1966.02	12.95	4.36	2.31	270829.74	30.87	23.32	2137.82	1792.96	5304.12	4.76	77.3
July	556086.7	2990.5	7135.8	171514.21	1976.13	6328.42	63449.56	608586.09	20816.54	14319.27	6949.66	1407.63	166327.1	89550.59	1544.61	48508.08	43857.56	343366.1	38610.07	1035.87
August	188058.4	118891.2	79899	322370.11	7429.63	104250.54	338162.15	101905.65	11739.74	4362.66	5594.07	120619.89	201749.23	42407.49	37868.44	395001.9	15977.71	336245.3	61372.58	6624.96
September	6478.4	39638.4	362.1	3914.59	3763.33	391.28	12406.68	1644.62	52.32	16296.94	200.44	7560.82	95163.85	522.83	463.71	1045.24	1365.93	11129.04	1272.3	228.16
October	7.6	175.8	278.9	2284.3	4.5	85.72	90.07	13.21	74.35	3.99	77.22	1331.09	302.3	1.51	50.68	207.26	0.8	89.55	14.35	8.37
November	0.8	16.8	14.8	1	1.12	0.75	433.76	4.75	1.11	25.5	61.8	13.81	4.25	0.5	0.8	102.22	3.5	0.8	0.44	0.6
December	160	1	3.2	0.8	0.1	0	0	0	1.1	0	0.25	0.2	0	0.1	0.1	0.1	0.2	0	0	3
TOTAL	751581.01	162471.2	88268.5	503795.86	15375.01	112697.92	415097.26	717182.93	35053.54	35347.23	13080.92	131087.85	737277.14	145644.6	40082.33	459185.4	64347.55	696187	101367	8465

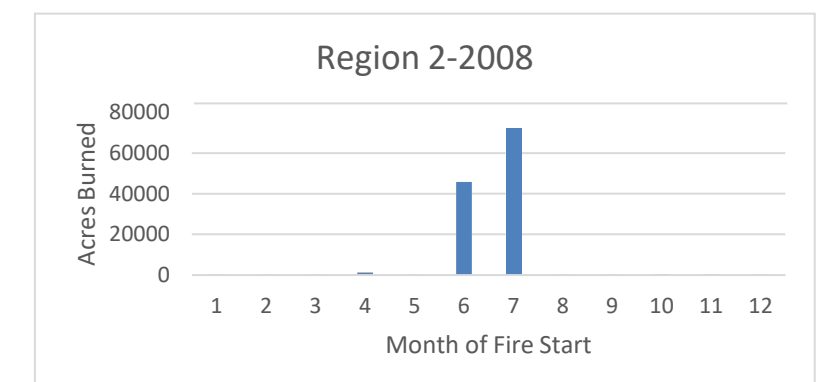
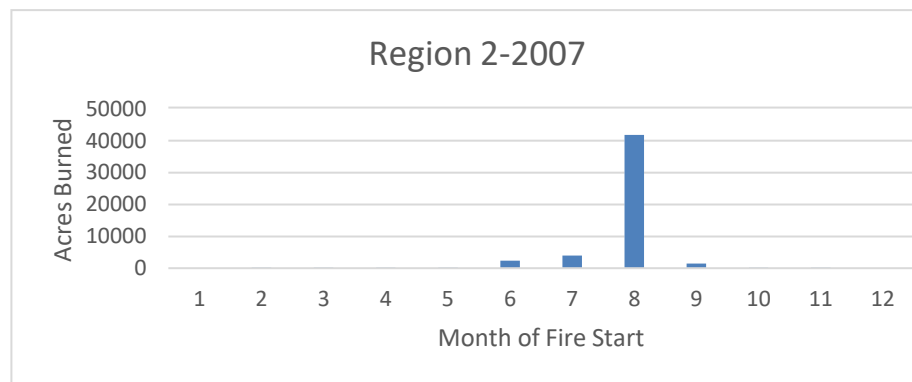
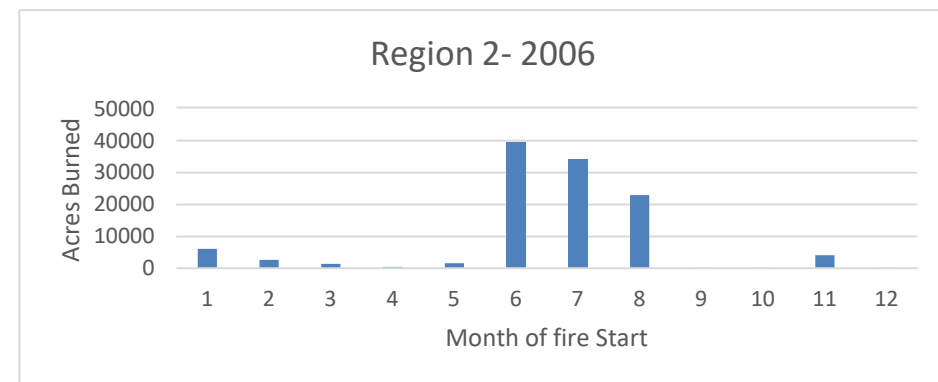
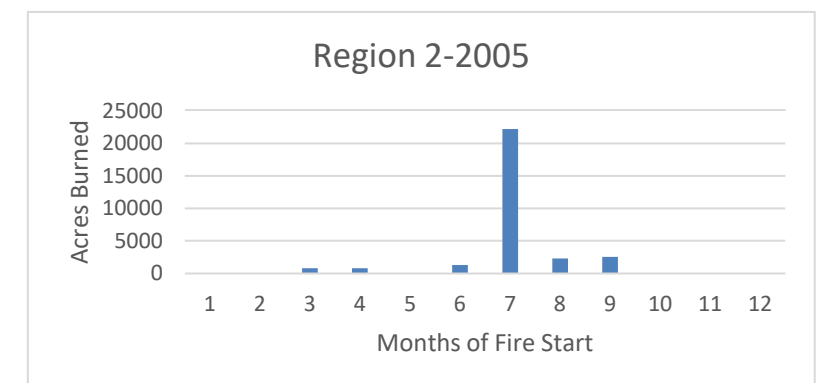
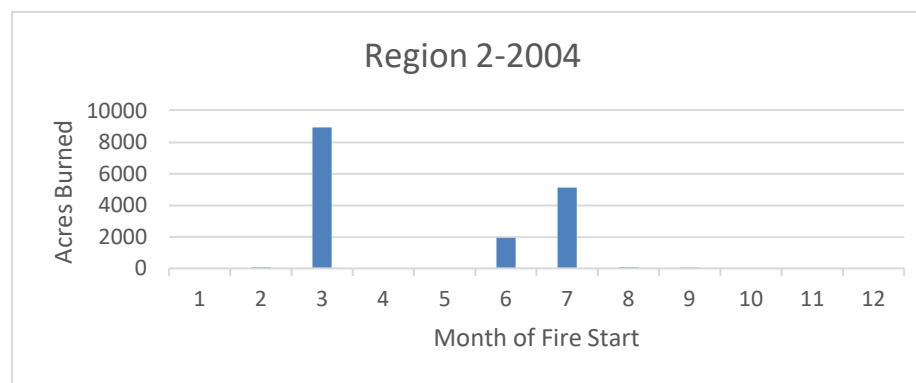
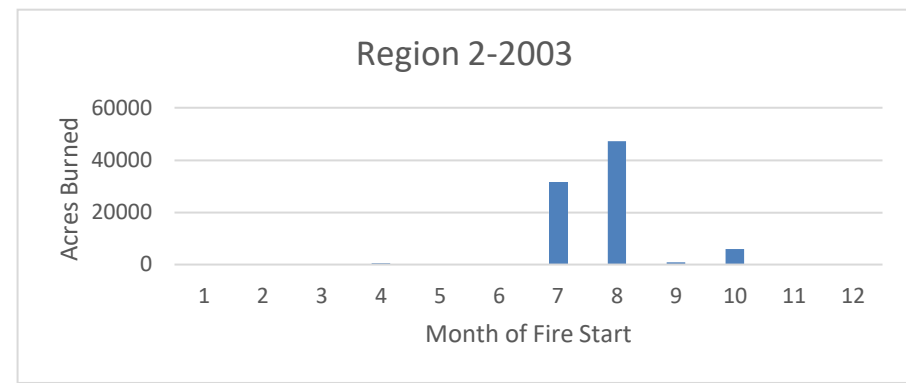
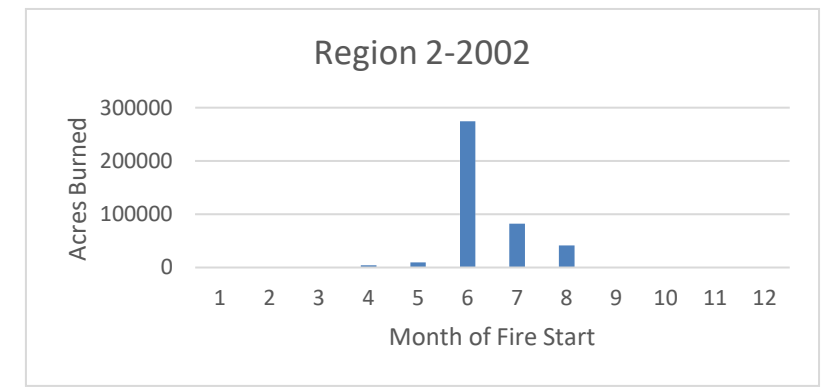
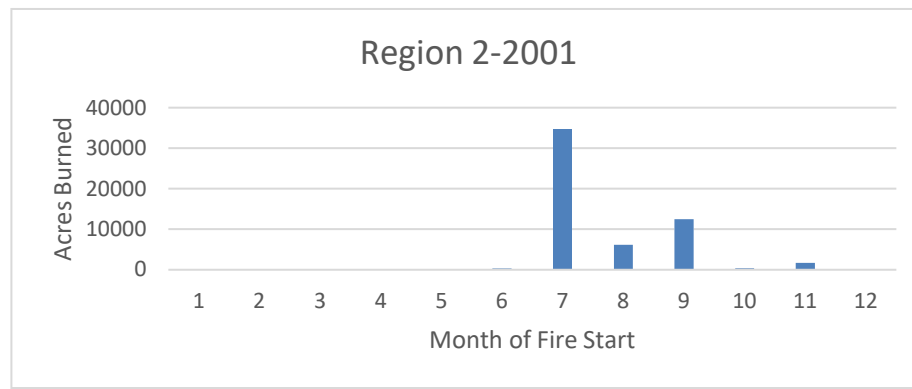
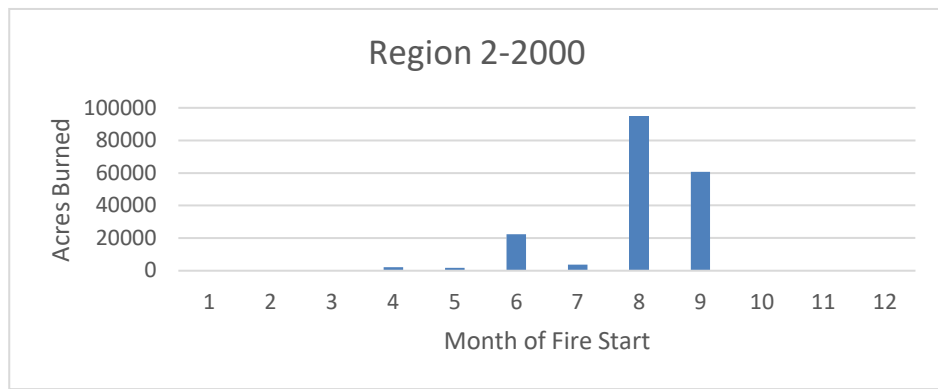


Acres burned in Region 1 by month and year

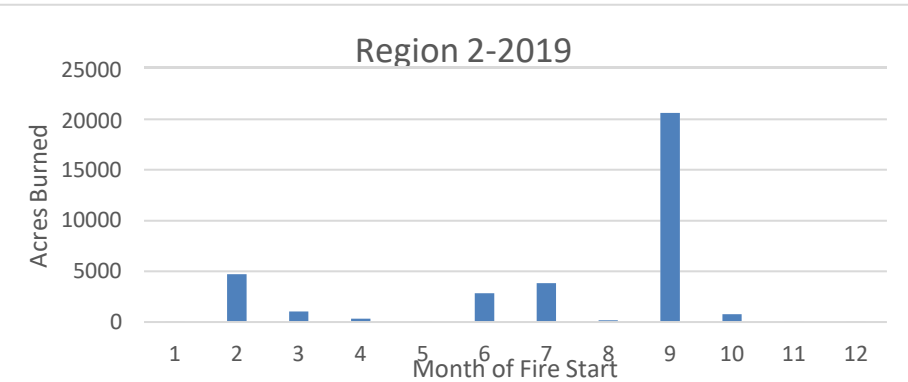
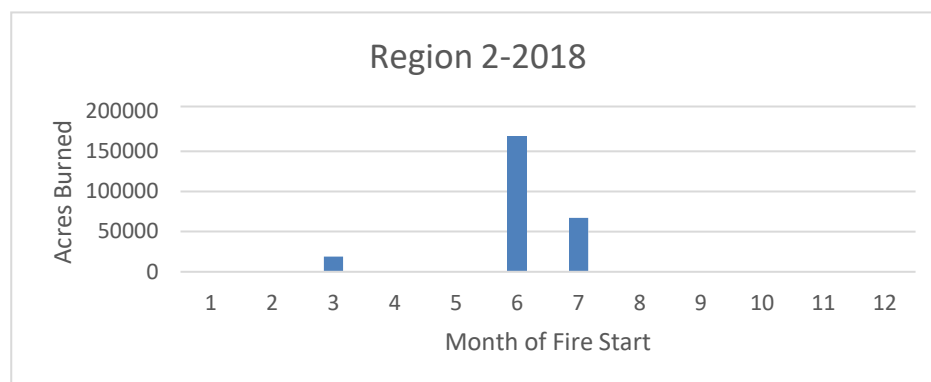
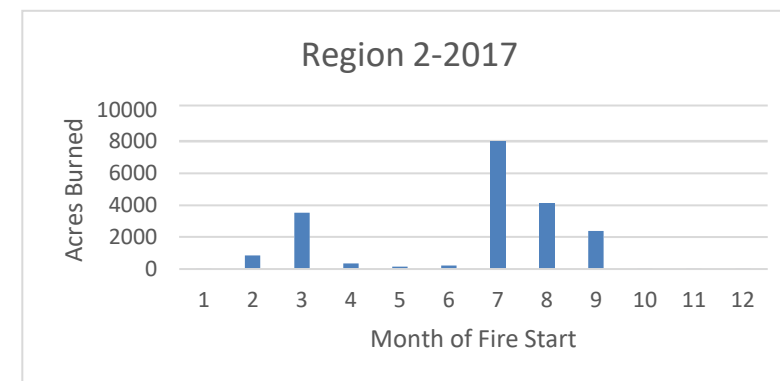
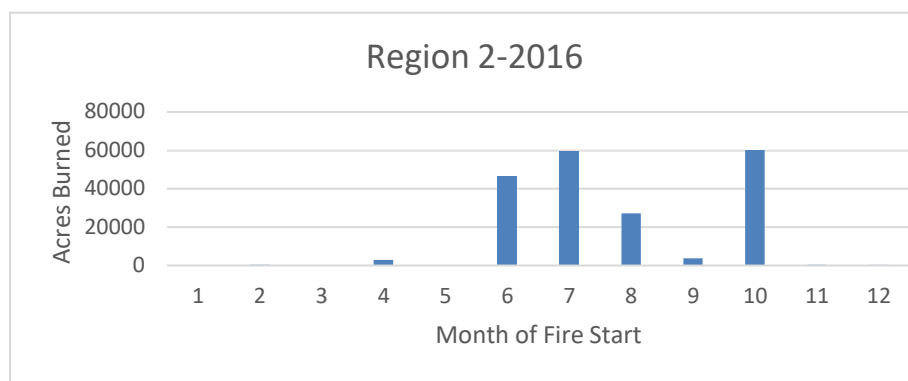
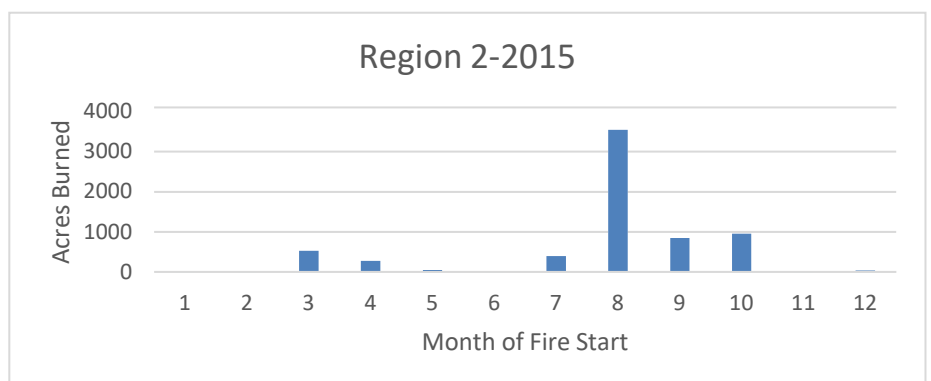
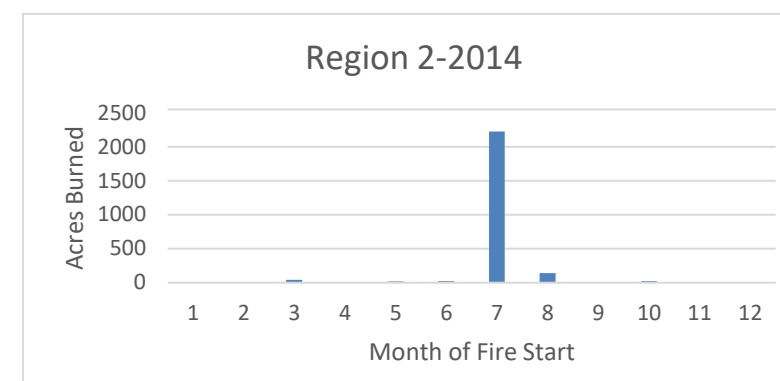
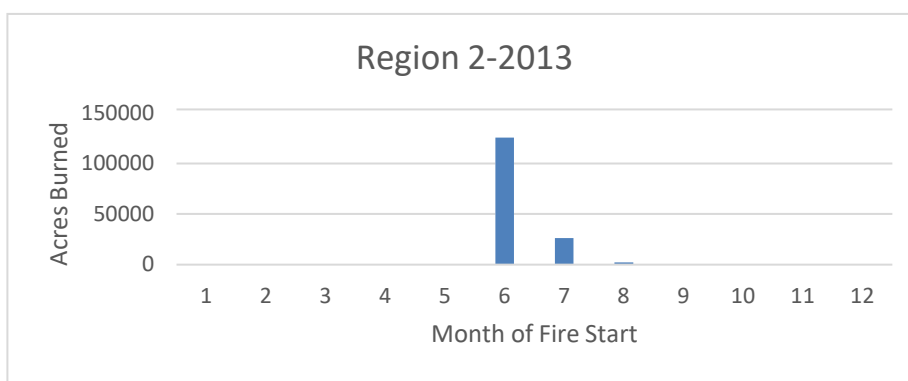
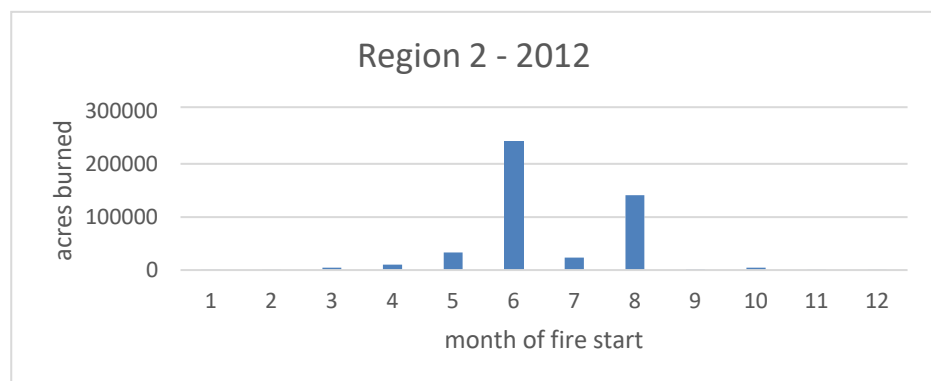
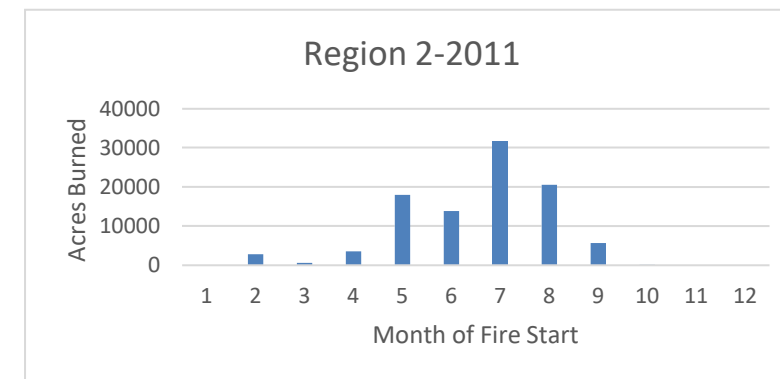
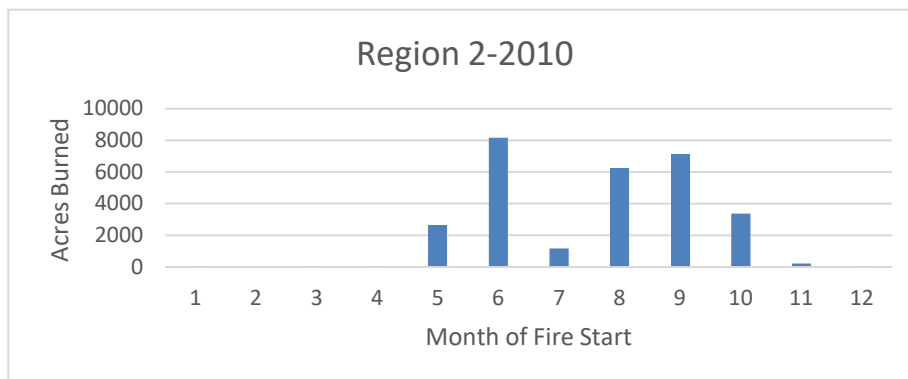
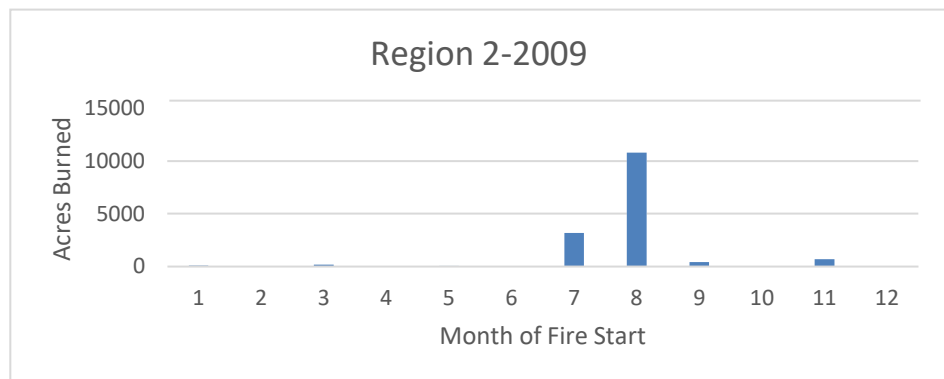


Acres burned in Region 2 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	15.1	0.4	100.7	14.1	2.7	0.2	6069.11	0	1.77	76.26	0.2	0.1	92.72	4.61	2.7	0.11	0.35	0.45	5.2	6.25
February	15.4	0.2	350.4	0.1	83.46	0.4	2609.3	0.1	0.3	40.11	0	2871.68	0.35	65.1	0.2	2.85	400.64	844.6	735.6	4705.15
March	442.8	7.1	92.8	3.6	8948.9	804.1	1271.1	26.51	0.2	180.45	4.4	654.96	4979.88	23.2	39.92	529.82	1.83	3536.17	18912.29	1028.4
April	2246.4	51.7	4303.95	516.4	9.26	790.15	384.35	0.8	1228.7	9.1	8.81	3586.4	10038.94	12.71	0.42	280.54	3016.81	332.78	222.52	330.16
May	1720.2	153.7	9498.85	27.15	30.1	4	1530.78	43.81	178.53	44.92	2616.15	18038.32	33000.82	144.29	12.68	52.4	24.78	131.38	179.55	8.65
June	22354.5	241.8	274957.4	111.4	1932.06	1276.39	39526.2	2308.82	45860.82	4.11	8158.8	13825.25	242124.11	125703	19.7	16.86	46475.69	215.77	168470.6	2826.9
July	3697.7	34610	82441.4	31660.4	5126.7	22187.91	34112.92	3975.64	71957.54	3197.65	1174.58	31683.63	23294.99	26329.38	2226.24	401.75	59475.56	8035.08	67145.34	3838.57
August	94756.45	6122.15	41456.85	47479.1	82.01	2304.13	22932.7	41862.09	212.96	10794.65	6224.7	20535.5	140969.96	2085.04	136.38	3545.28	27140.2	4095.2	802.45	178.09
September	60773.9	12451.15	190.3	831.65	46.75	2550.89	25.51	1373.74	23.51	420.36	7137.72	5722.68	864.12	10.61	6.48	844.16	3582.72	2395.51	458.28	20622.96
October	111.3	384	9.6	5889.05	0.6	47.3	1.4	12.85	250.2	30.96	3363.95	142.9	4801.11	1.6	18.2	960	60135.59	19.23	2.95	785.96
November	0.1	1690.05	40.1	150.4	0.65	75.87	4005.1	8.1	288.61	706.15	228.06	21.7	224.2	7	3.6	23.75	394.56	18.22	11.2	12.74
December	0.2	9.4	2.3	1.7	3.55	0.25	0.1	0	0.1	0.1	4.1	2.4	20.66	0.1	0.5	40.1	293.9	7.15	0.2	0.74
TOTAL	186134.05	55721.65	413444.65	86685.05	16266.74	30041.59	112468.57	49612.46	120003.24	15504.82	28921.47	97085.52	460411.86	154386.7	2467.02	6697.62	200942.6	19631.54	256946.2	34344.57

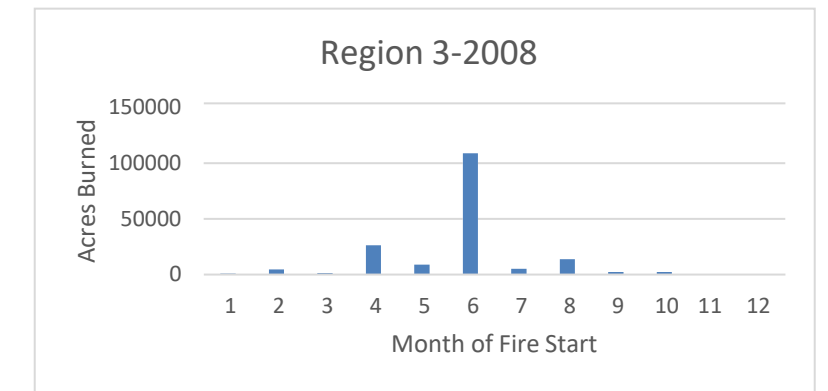
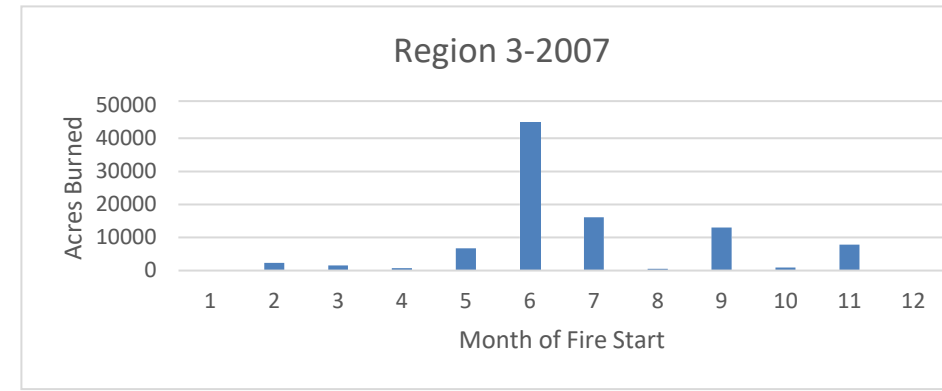
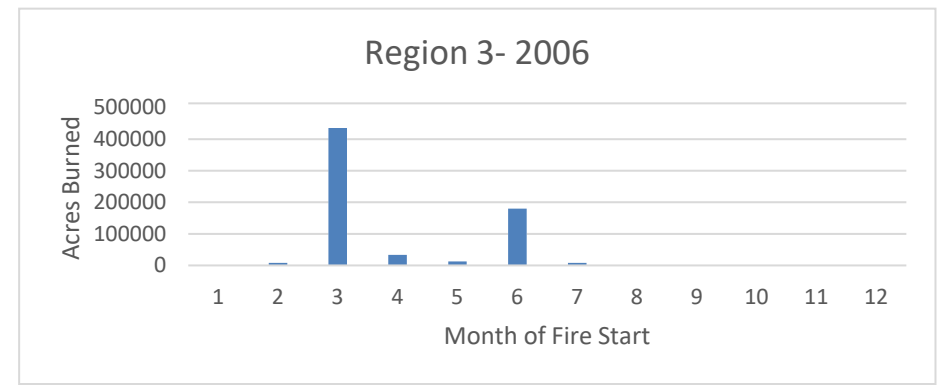
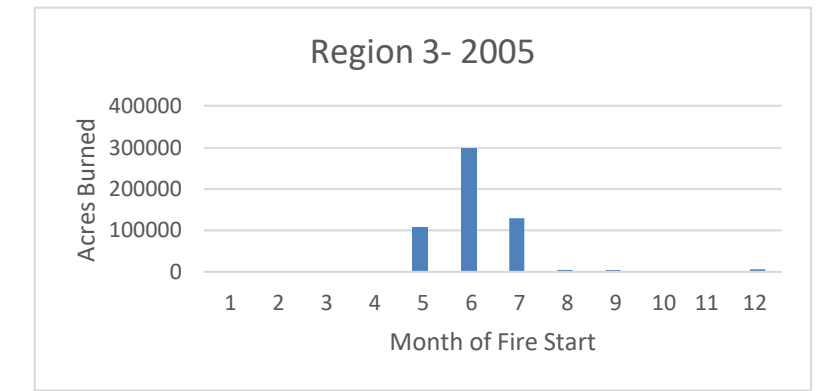
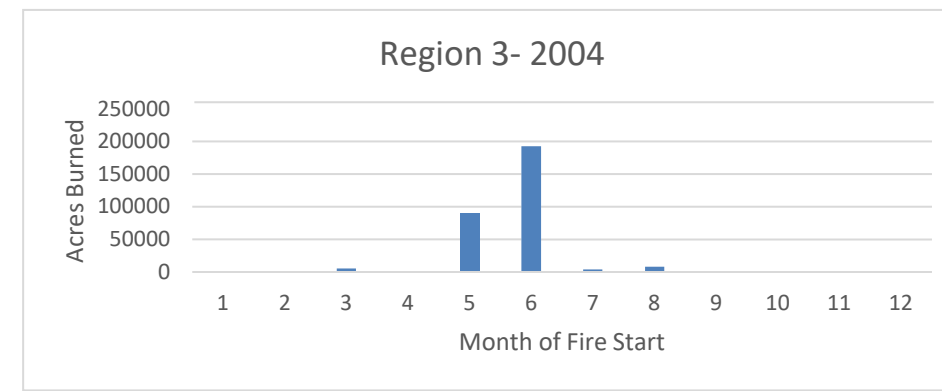
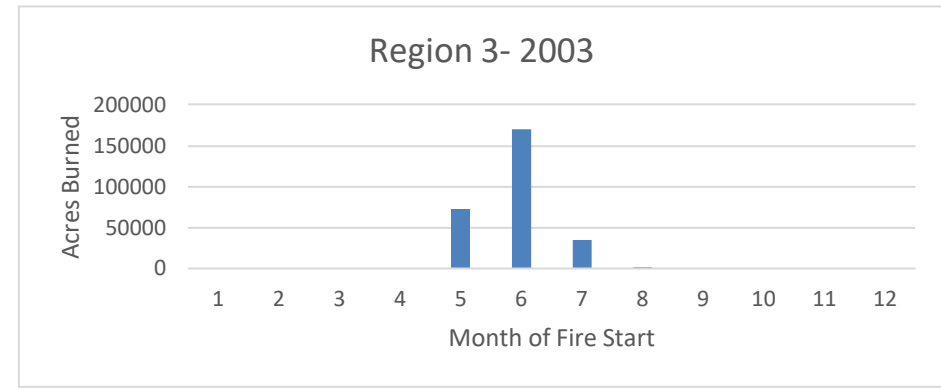
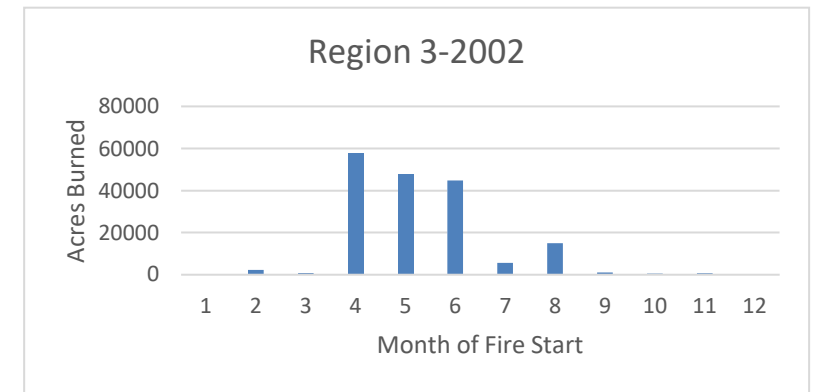
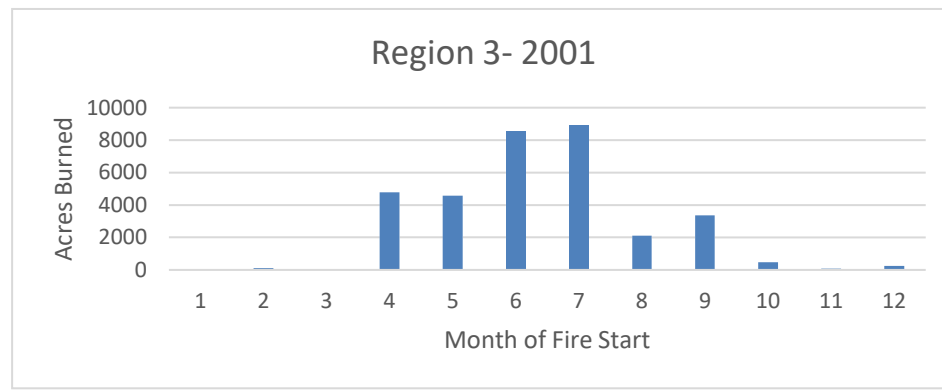
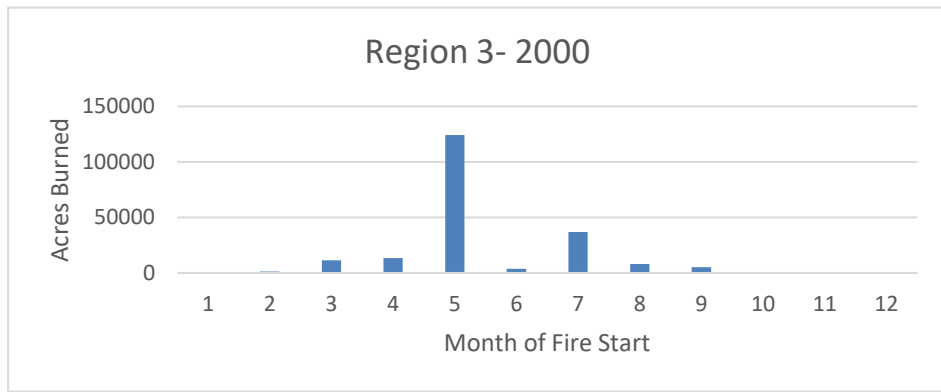


Acres burned in Region 2 by month and year

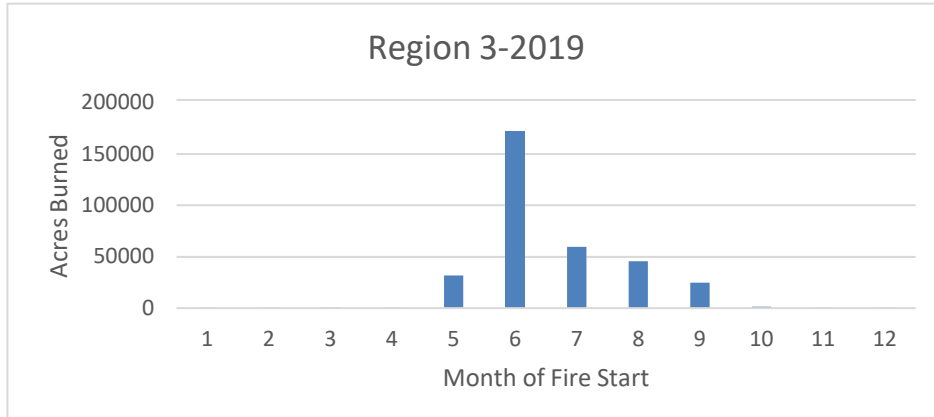
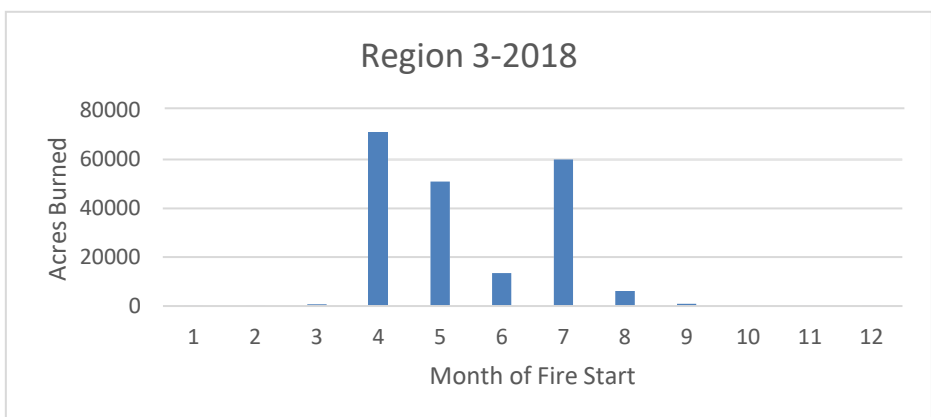
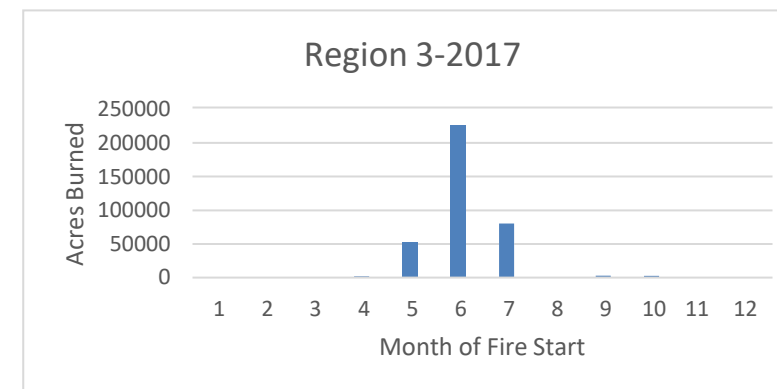
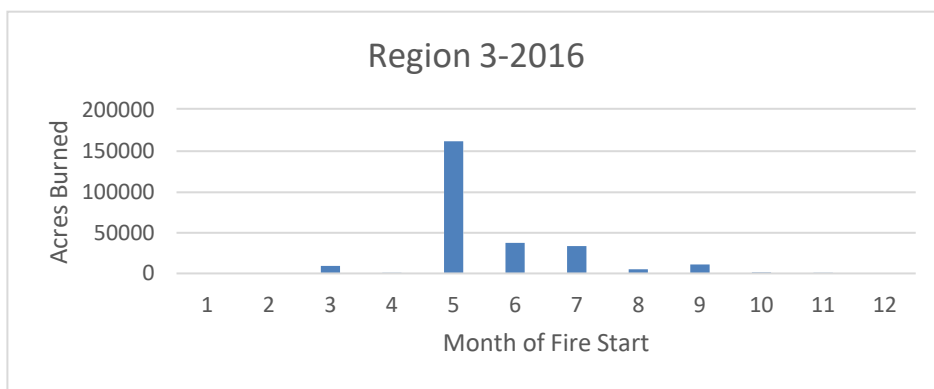
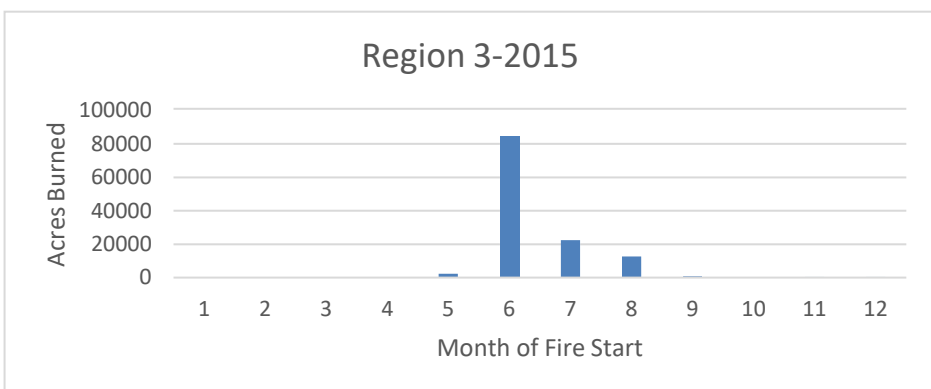
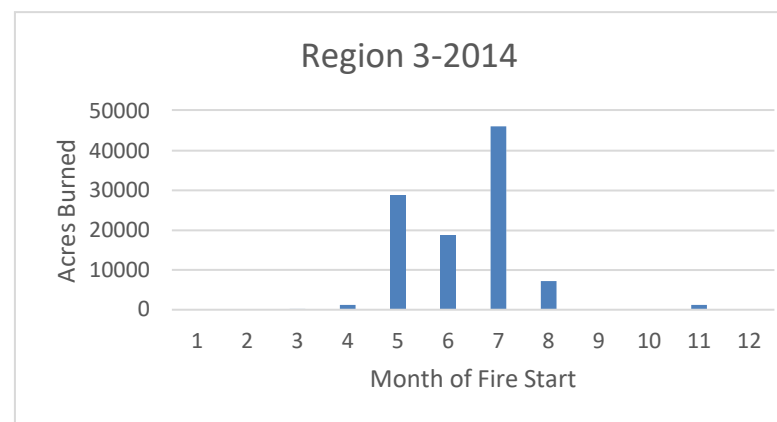
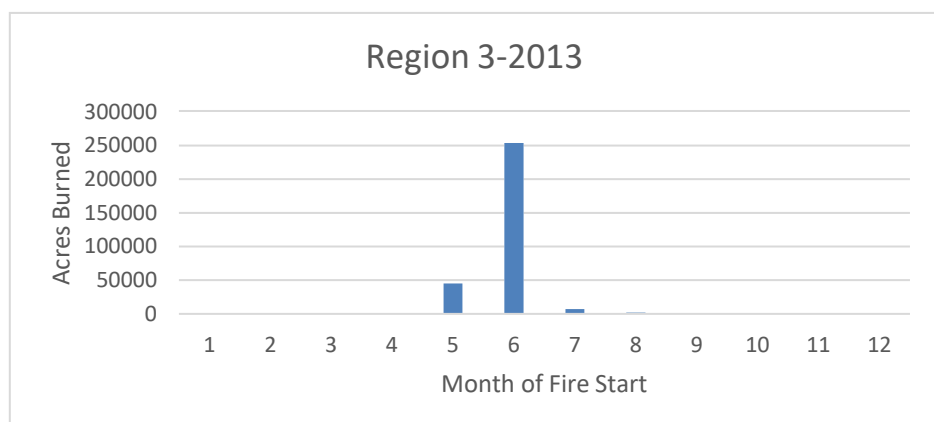
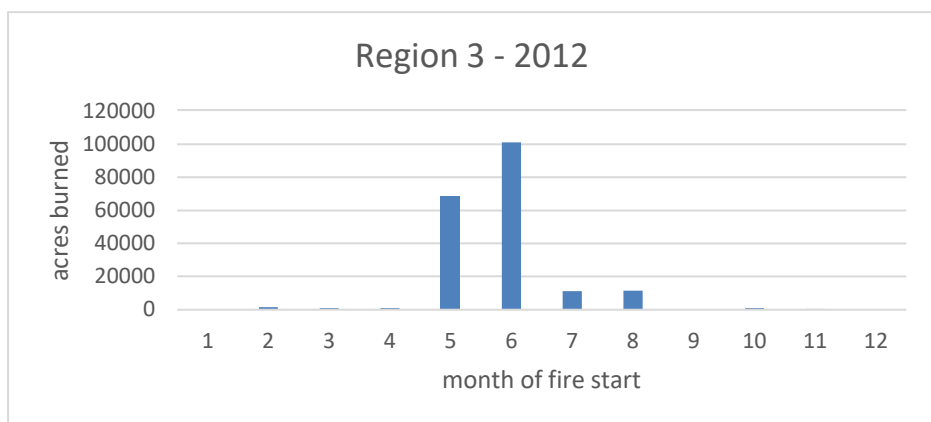
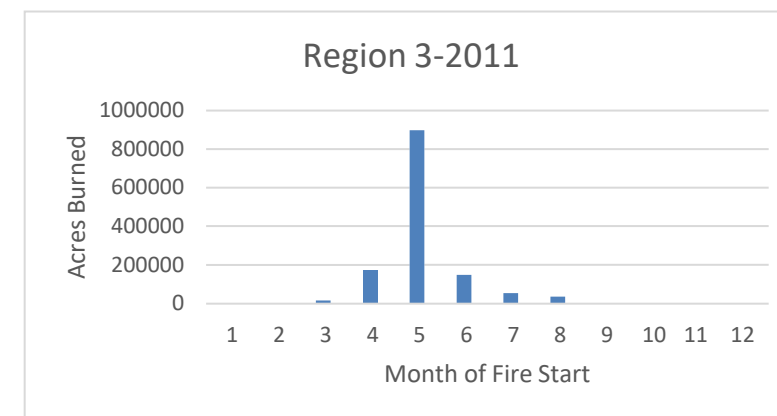
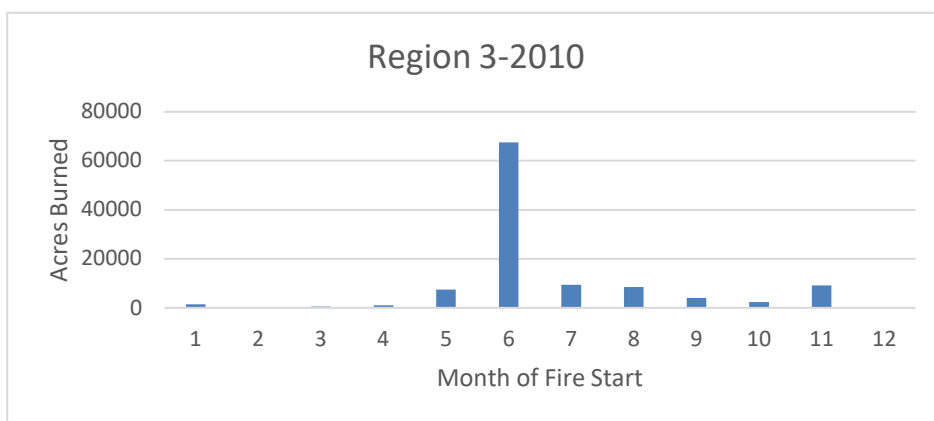
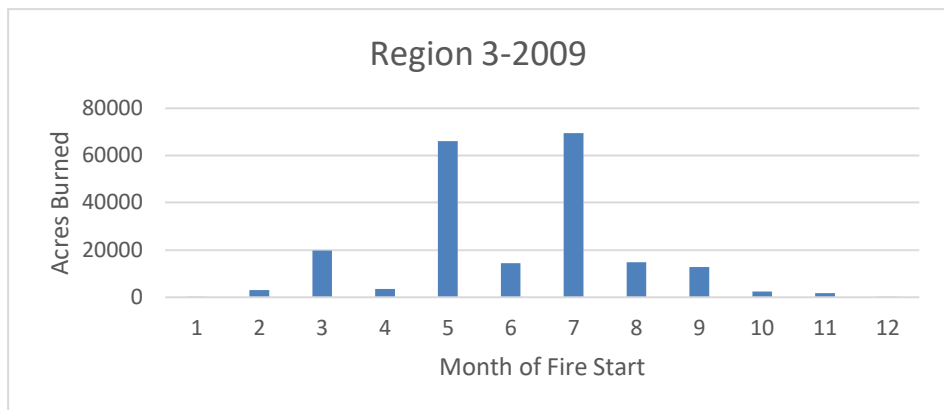


Acres burned in Region 3 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	8.5	0.8	7.1	226.4	8.15	5.4	178.65	0.55	716.61	6.95	1442.8	111.9	8.05	1.91	5.35	0.1	345.9	61.1	30.1	76.8
February	1528.7	106.7	2396.6	84.07	5	5.5	8853.35	2289.2	4571.05	2964.77	2.55	2093.06	1461.36	98.9	22.01	13.25	496.15	86.3	180.91	72.65
March	11404.7	31.2	883.41	111.2	5176.7	181.05	434964	1448.6	1364.12	19708.67	473.65	15958.1	866.75	46.53	190.05	223.06	9345.27	521.1	714.51	637.25
April	13457.7	4795.5	57784.3	346.7	26.95	396.1	33651.01	675.4	26384.13	3520.06	1036.6	174431.77	955.35	569.79	1216.33	200.4	662.2	1937.21	70920.73	463
May	124449.1	4566.2	47914.7	72366.86	89797.58	106992.15	13021.57	6729.47	8935.73	65990.62	7462.26	897103.02	68643.29	45375.96	28691.97	2285.63	162470.1	53427.01	50937.65	31781.84
June	3728.3	8551.2	44840.85	170593.16	192754.05	299799.29	179913.84	44846.43	108889.16	14378.97	67455.12	148716.24	101162.52	253985	18565.46	84484.68	37565.59	226767.6	13474.16	171681.3
July	37024.1	8941.6	5724.8	35064.45	4086.48	129995.99	8874.13	16067.75	5096.03	69379.04	9337.47	54319.99	11274.25	6882.79	46122.5	22356.7	33945.36	80542.96	59982	59454.53
August	7976	2099.5	15020.05	1488.03	8321.01	4687.96	47.19	535.98	13745.2	14685.49	8538.33	35702.49	11303.94	1929.64	7138.95	12607.01	4929.55	386.85	6168.94	45410.4
September	5073.9	3370.3	1138.71	111.95	1374.68	4136.25	342.22	12999.65	2155.98	12760.17	4067.31	798.36	112.29	181.04	6.26	766.11	11076.93	2884.79	899.41	24747.49
October	142.2	465.2	459.7	150.95	409.56	140.37	14.15	881.62	2275.93	2460.52	2370.44	60.25	982.47	239.87	4.3	233.25	1142.66	2311.52	38.89	1265.81
November	202.3	65.8	643.8	16.2	100.65	618.07	96.8	7778.26	206.87	1785.16	9070.29	12	359.04	41.75	1236.65	358.4	769.11	22.14	44.75	43.24
December	288.9	251	0.4	44.41	71.8	6443.46	7.45	0.4	197.06	3.65	248	513.05	1.2	16.23	0.76	379.75	87.75	25.52	68	0.2
TOTAL	205284.4	33245	176814.42	280604.38	302132.61	553401.59	679964.36	94253.31	174537.87	207644.07	111504.82	1329820.23	197130.51	309369.4	103200.6	123908.3	262836.5	368974.1	203460.1	335634.5

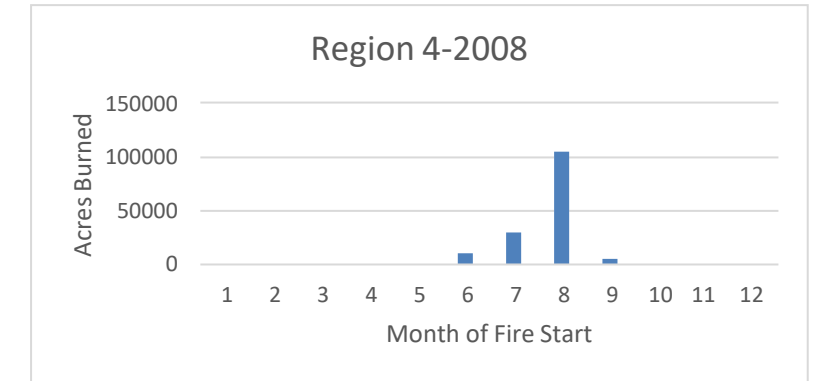
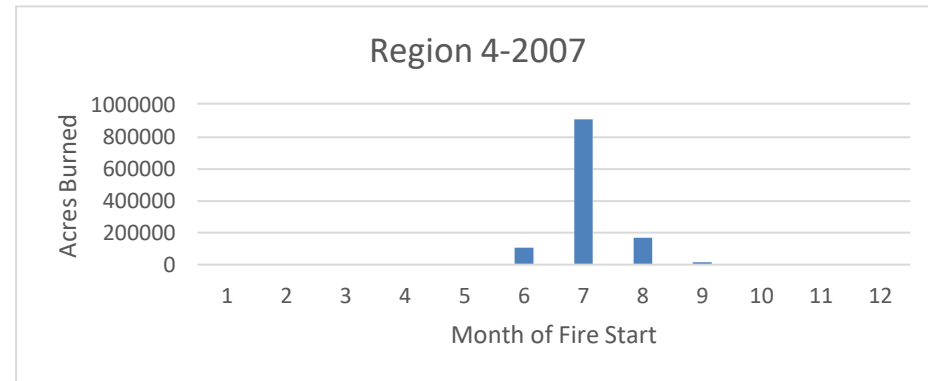
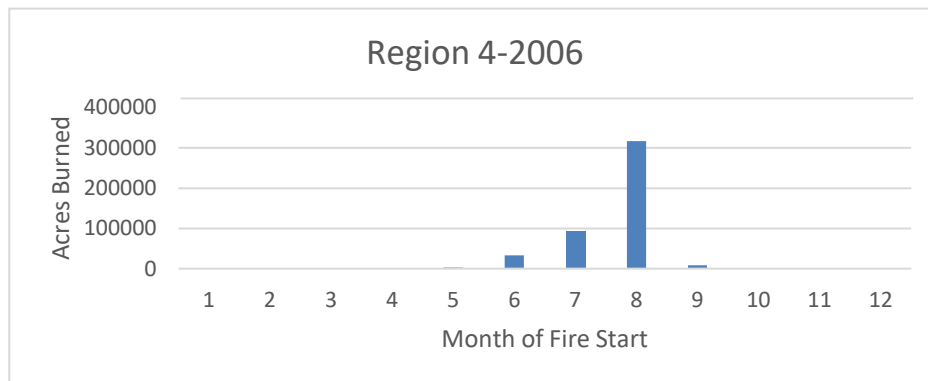
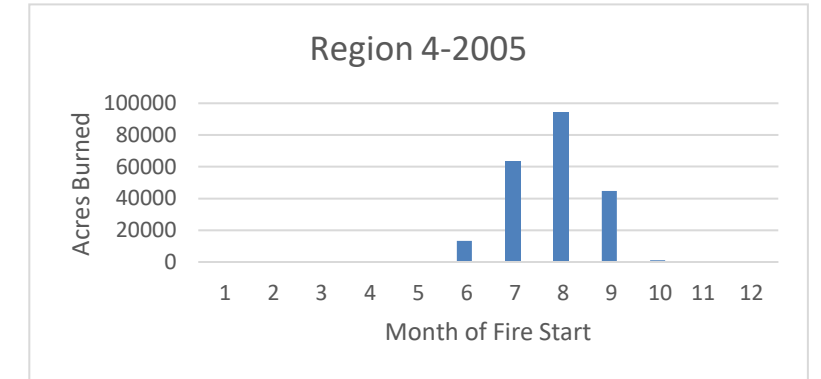
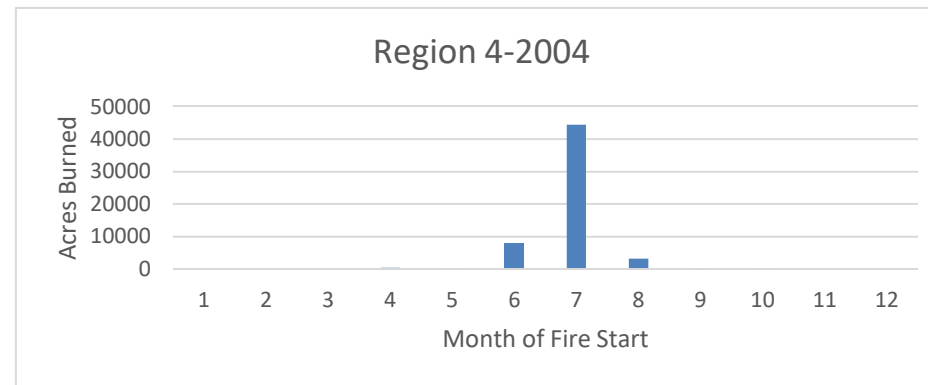
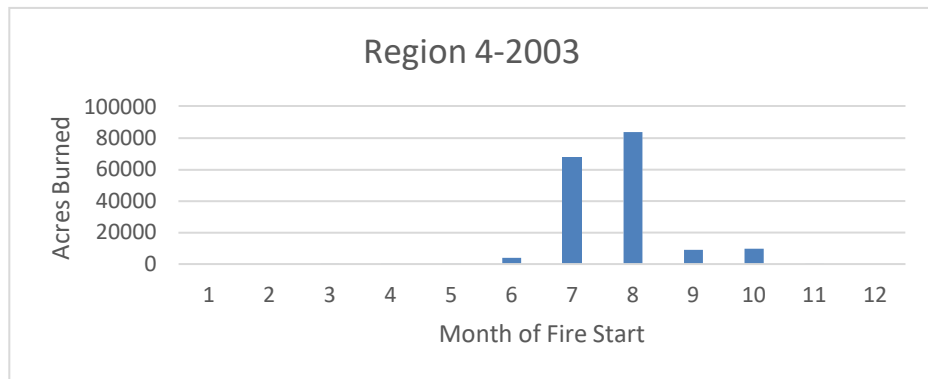
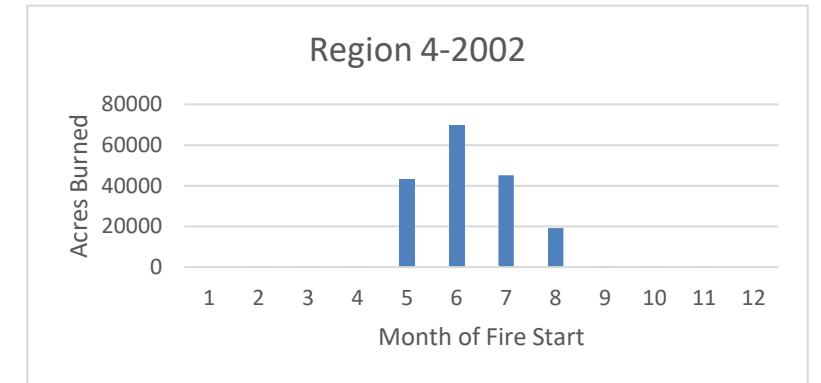
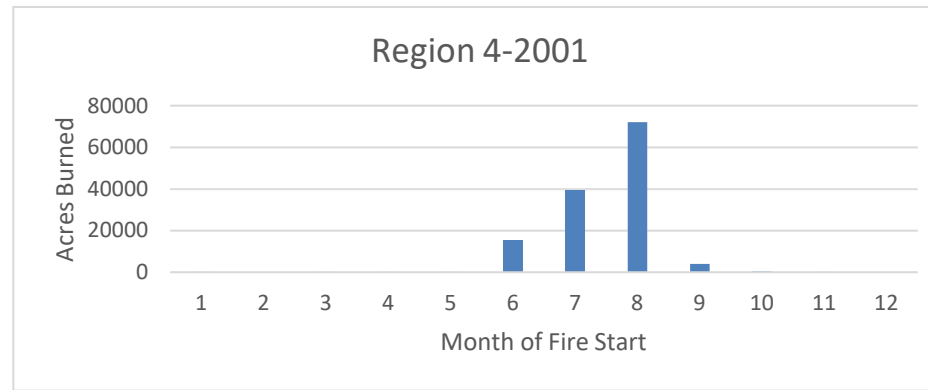
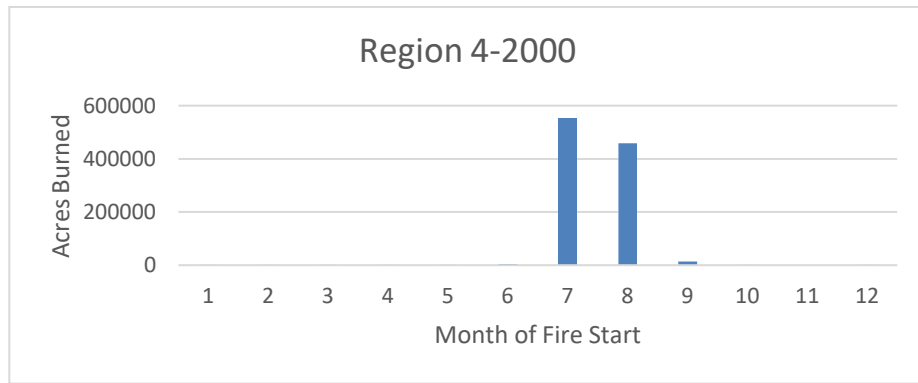


Acres burned in Region 3 by month and year

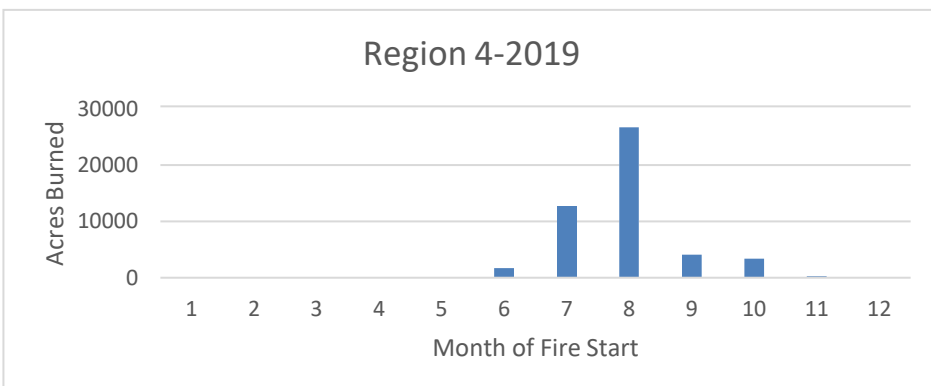
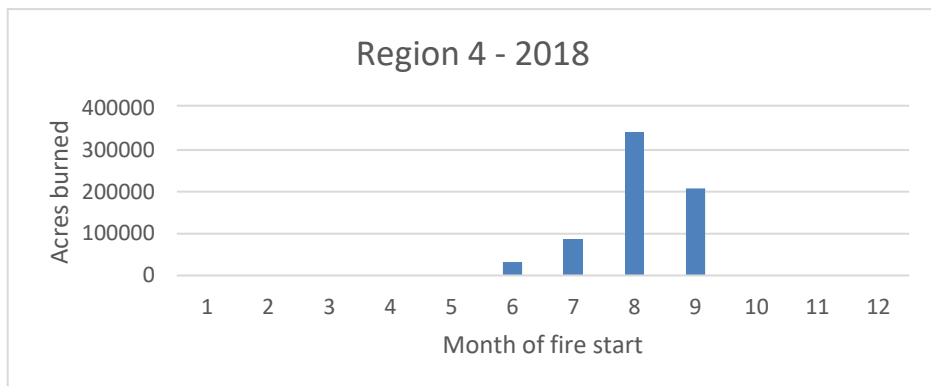
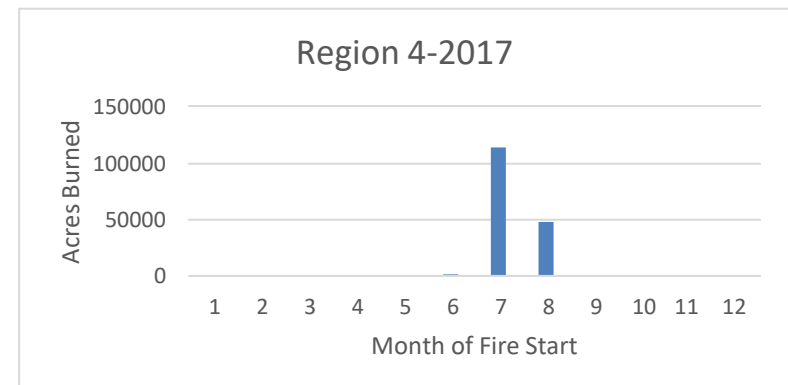
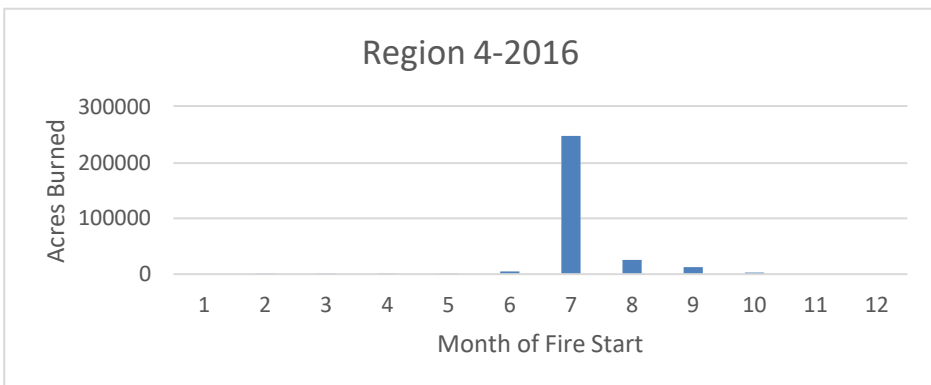
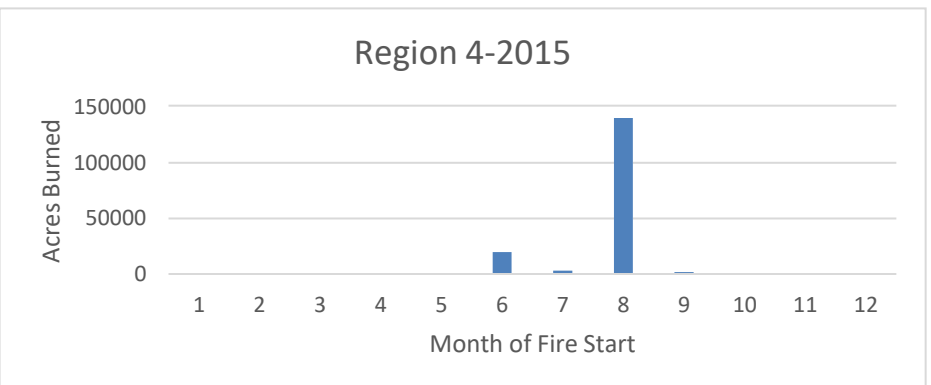
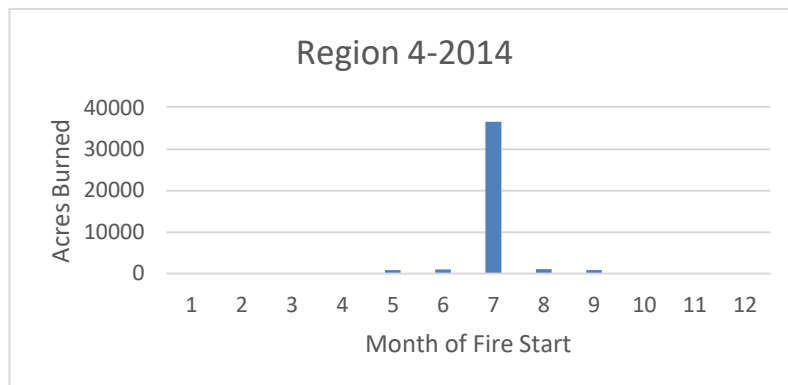
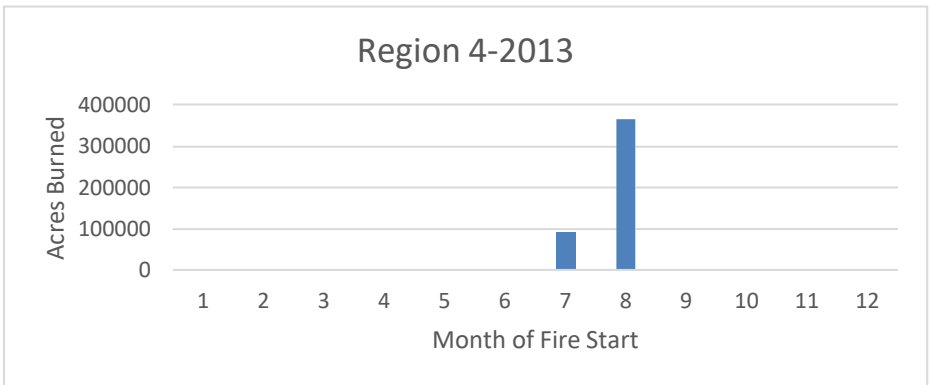
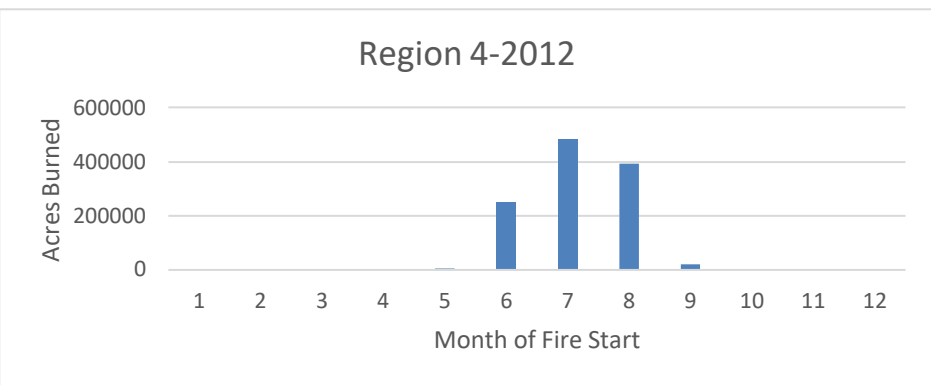
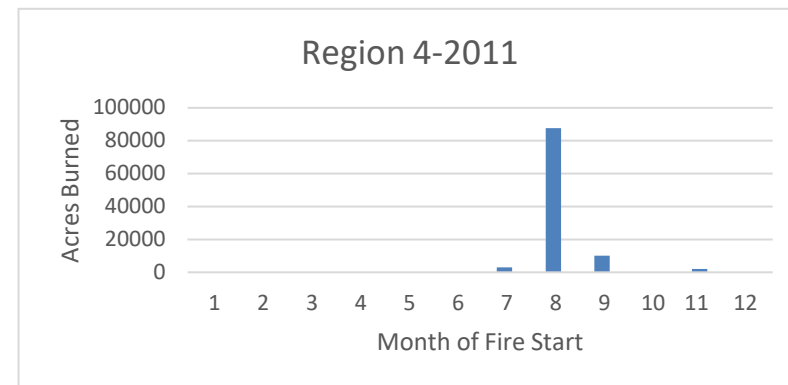
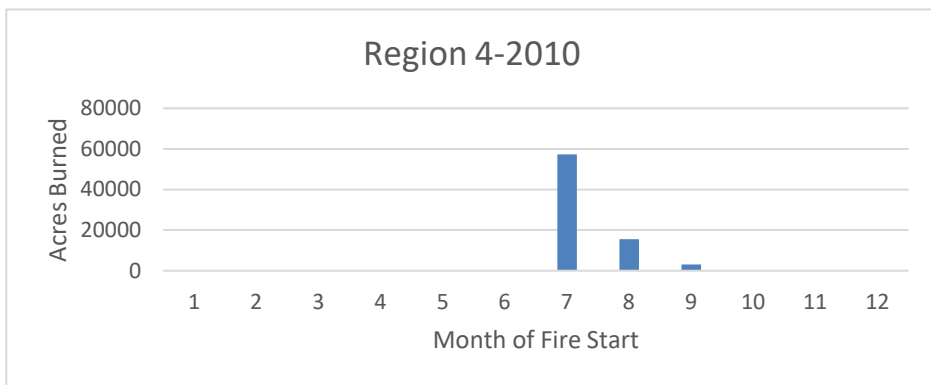
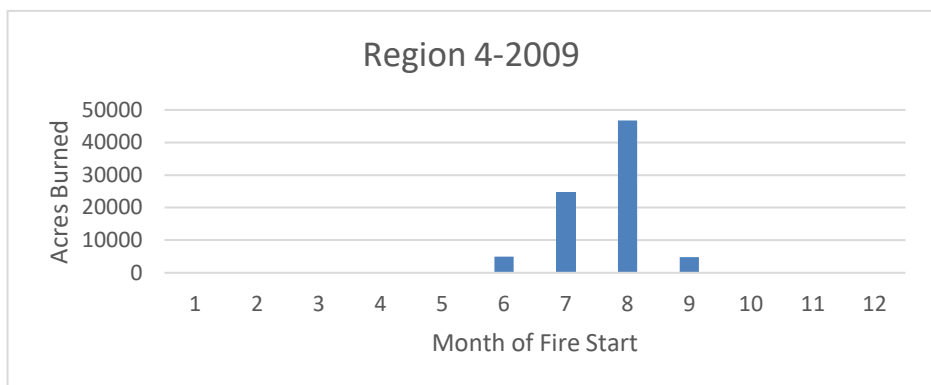


Acres burned in Region 4 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0.5	0.2	0	0	0	0	0	5.7	0	0.2	0.2	0	3177.01	0	0	0	0.1	0.1	0.7	0
February	0.9	0	203.1	0	0	0	6	0.1	0	0	0	0	0.2	0	0	1.3	0.3	0	12.1	0
March	1.8	0.4	4.6	0.2	68.3	0.1	34	58.2	0.2	0.1	17.85	0	108.2	46.6	4.45	15.1	3.1	0	0.2	0.2
April	6.7	34.9	21.3	4.35	361.35	0.1	0.3	311.56	2.9	11.1	4.85	0.6	341.87	3.42	3.63	158.25	1	1.4	69.01	1.35
May	101.9	135.2	43250.3	57.25	238.05	5.2	3138.66	1446.6	5.21	16.28	0.65	5.11	5746.96	89.42	765.74	42.04	5.55	2.78	195.51	1.75
June	4159.2	15438.4	69563.5	3859.4	7817.95	13381.05	33248.47	105765.12	10710.88	4855.62	175.5	11.73	249209.49	1490.93	948.13	19622.29	4114.08	1553.36	31996.55	1727.16
July	552831.1	39711.8	45183.8	67695	44477.68	63252.97	91816.37	911846.72	30120.45	24647.08	57237.06	3107.71	484308.11	90439.76	36631.08	2909.76	248823.5	114662.6	86639.05	12604.44
August	459212.6	72201.7	19276.8	83831.83	3137.71	94336	316489.5	169514.57	105474.43	46738.33	15491.07	87602.55	393593.94	366977.1	1006.61	140348	25351.32	48025.01	342733.6	26726.02
September	14739.3	4025.7	282.3	8978.7	322.18	44702.38	8395.3	13498.75	5338.5	4814.1	2989.14	10188.48	20609.78	47.27	828.41	1758.95	12195.32	498.35	207790.5	4077.05
October	686	279.4	39.4	9905.15	236.5	931.27	1027.9	6.25	587.85	69.03	147.92	47.76	1121.19	11.22	5.41	73.19	2347	577.25	164.66	3368.7
November	0.2	1.3	2.8	0.45	0	6.3	0.2	335.25	7.7	1.92	0.4	2105	386.06	0.91	0.21	0.6	0	374.78	125.7	214.95
December	0.4	0	0	0	0	0	1.25	0.1	0.1	0	0	0.27	0.26	0	0.2	0	0	3.6	0	0
TOTAL	1031740.6	131829	177827.9	174332.33	56659.72	216615.37	454157.95	1202788.92	152248.22	81153.76	76064.64	103069.21	1158603.07	459106.6	40193.87	164929.4	292841.3	165699.2	669727.6	48721.62

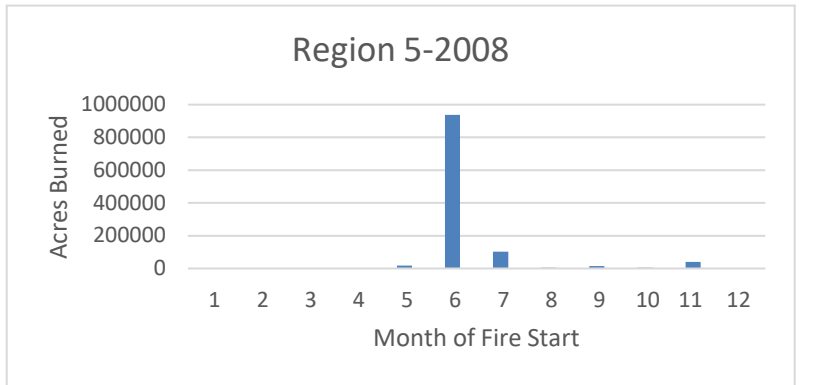
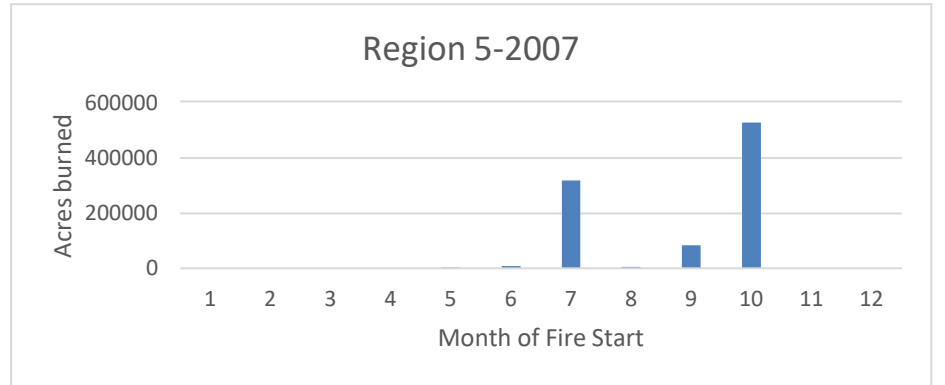
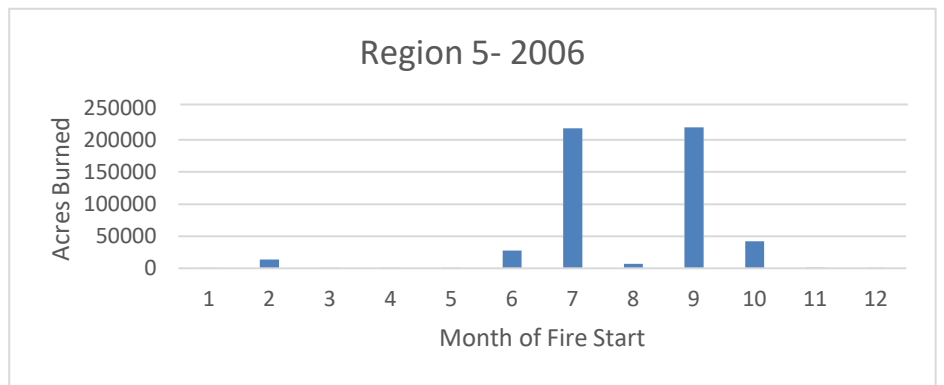
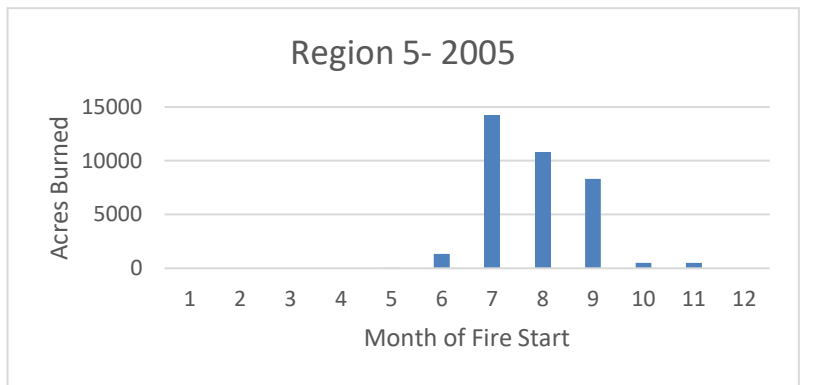
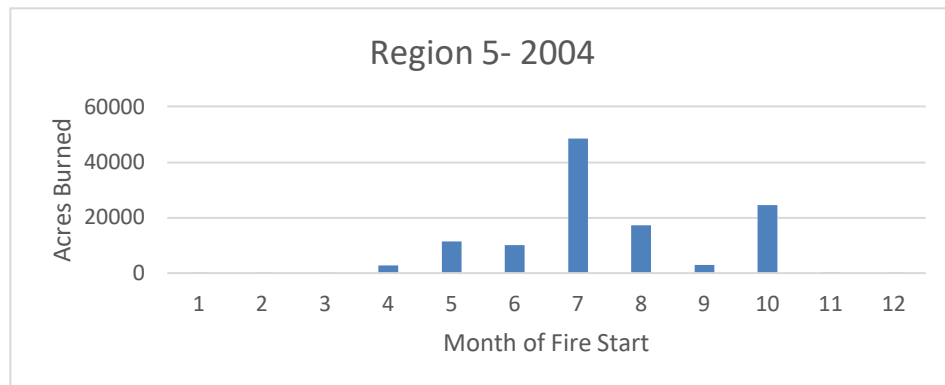
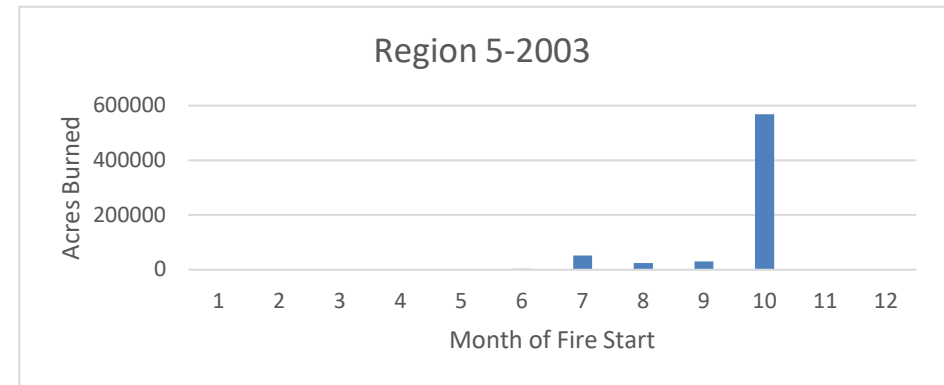
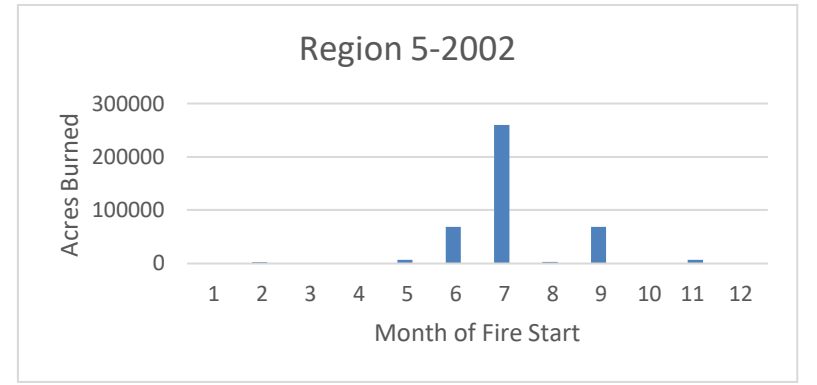
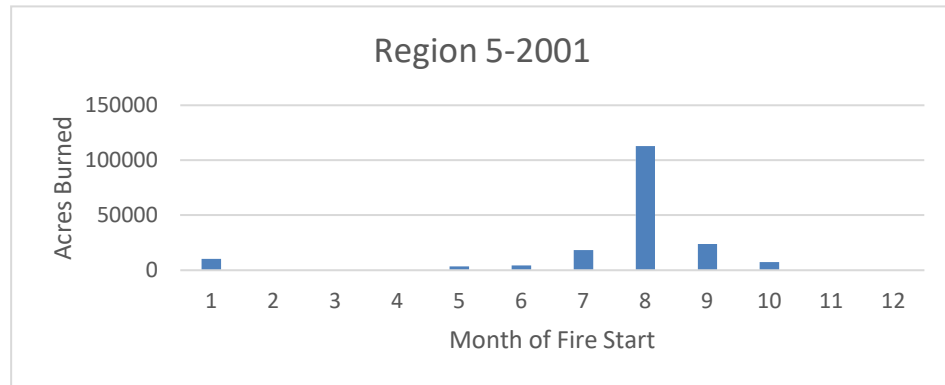
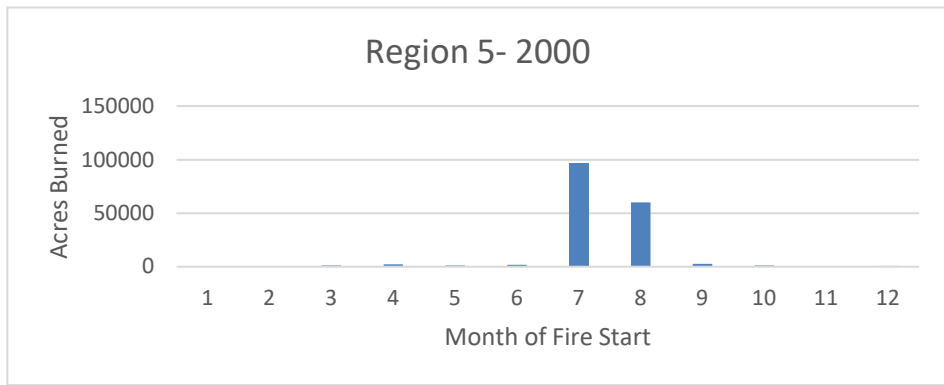


Acres burned in Region 4 by month and year

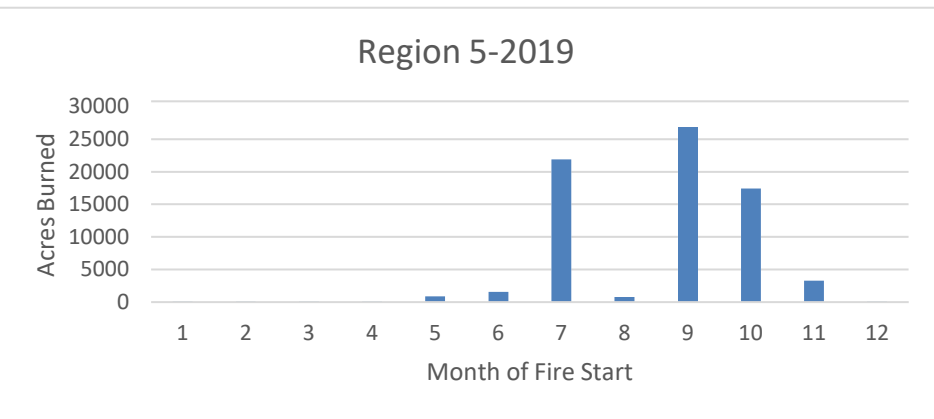
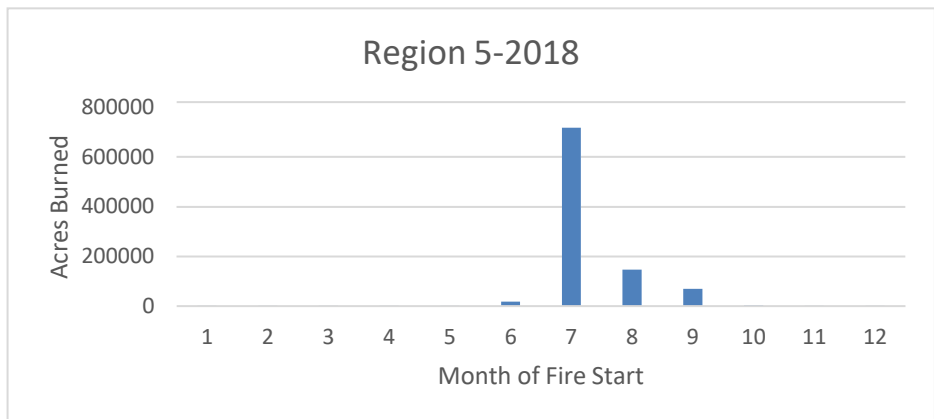
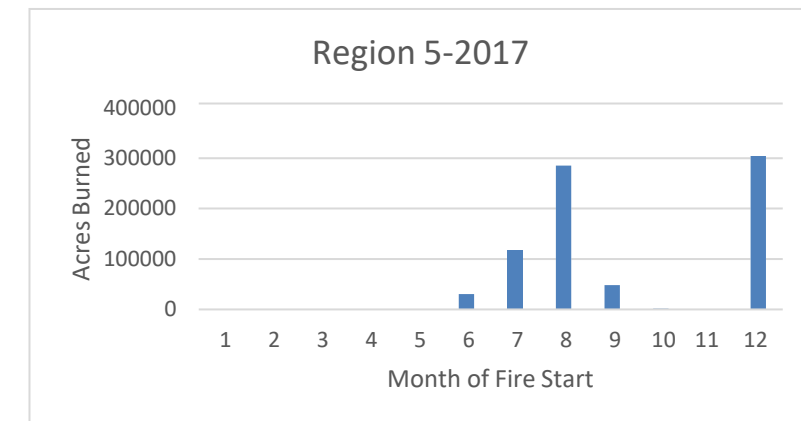
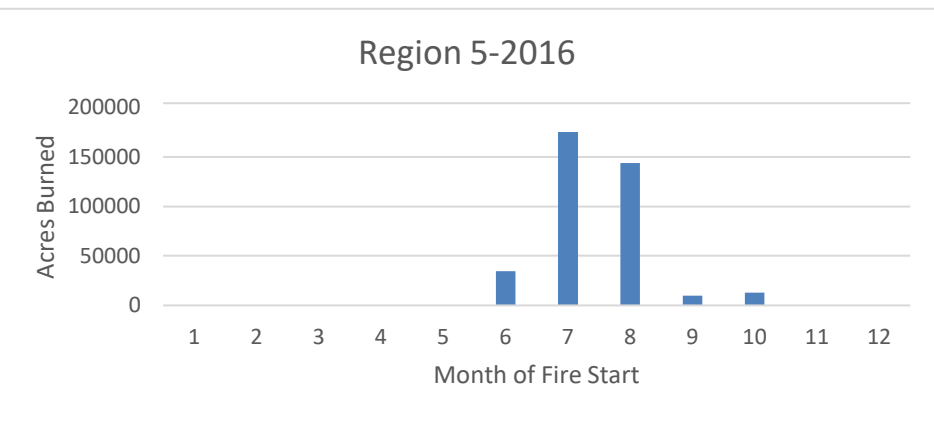
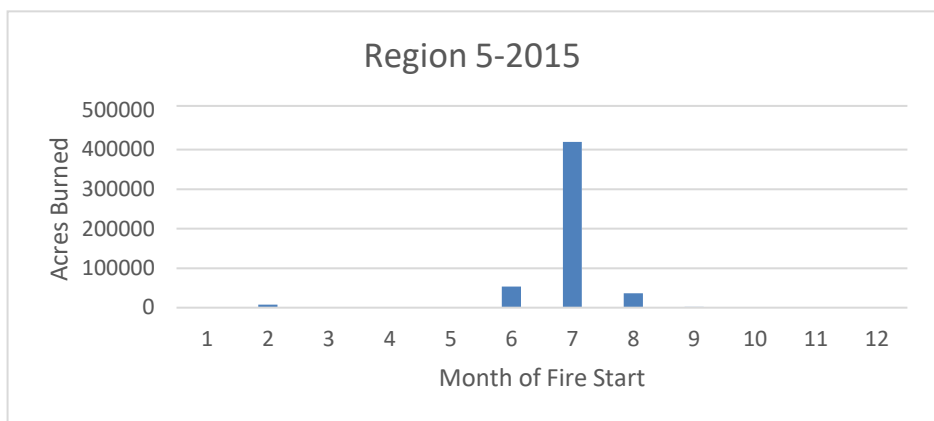
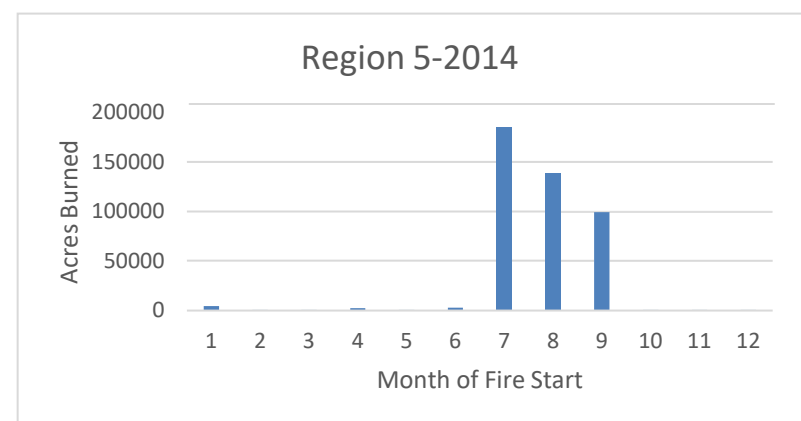
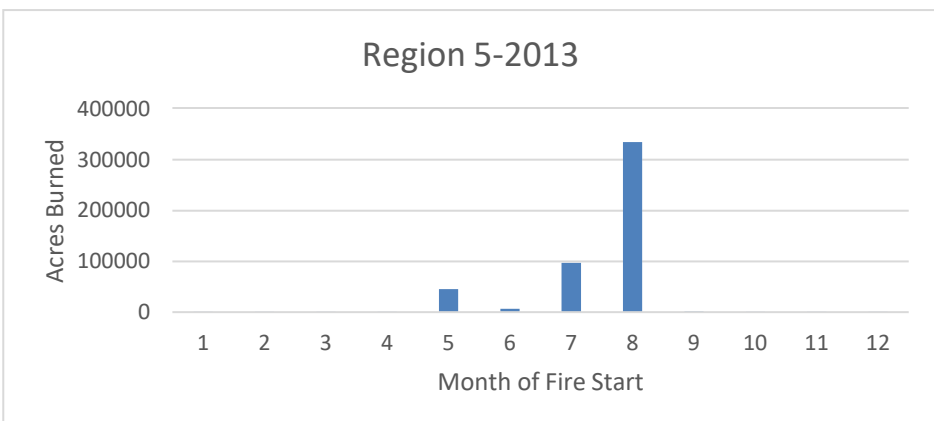
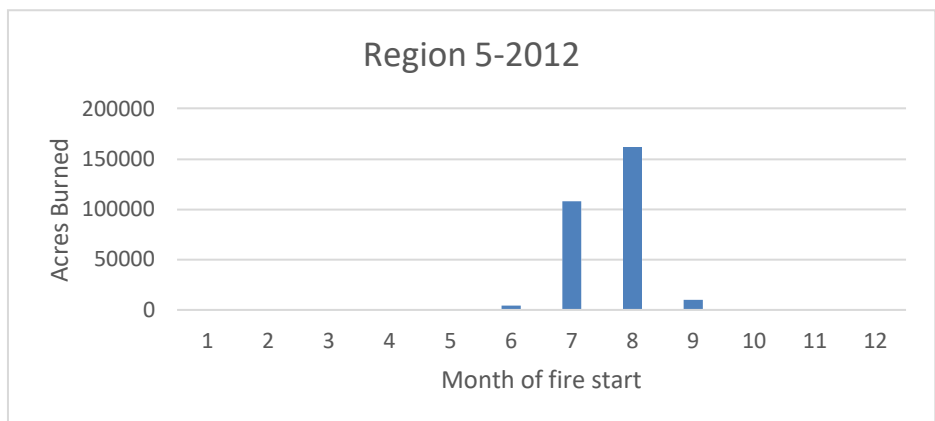
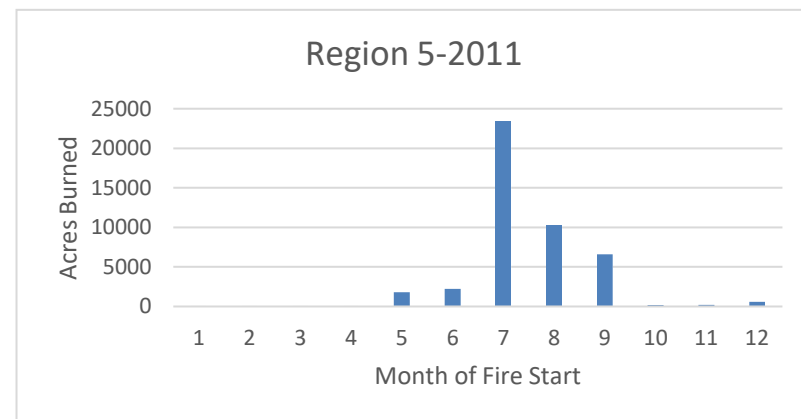
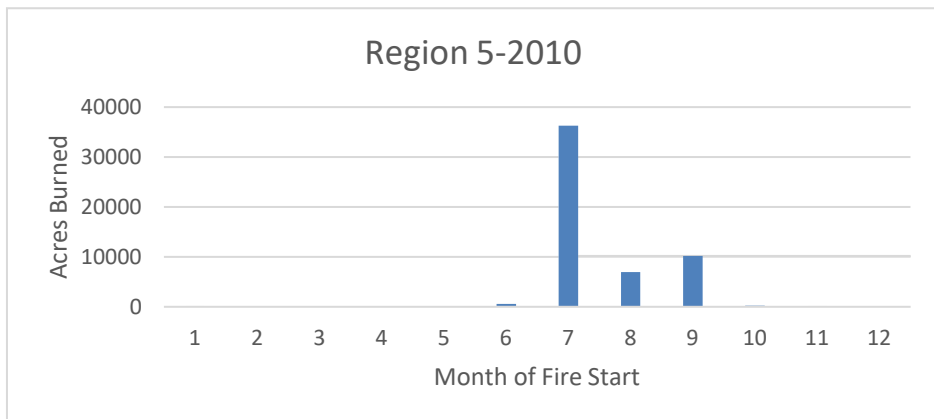
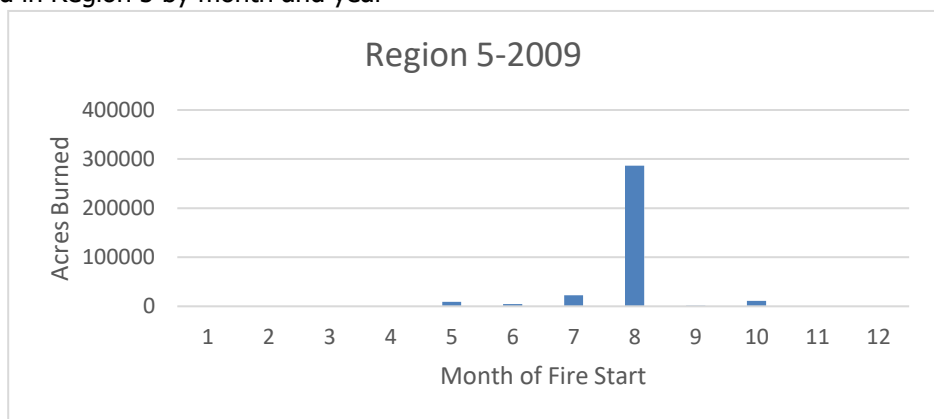


Acres burned in Region 5 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	75.1	10431.4	105	14.85	1.95	1.1	487.11	148.13	1.9	5.07	109.61	6.91	83.1	39.51	4335.36	90.73	2.17	0.44	14.85	0.37
February	3.2	5.8	2431.1	8.75	1.8	4.8	13424.7	13.9	4.65	0.97	1.11	4.6	17.59	5.37	12.16	6819.32	3.88	0.43	14.35	0.2
March	1288.1	4.3	198.6	7.06	23.45	23.15	7.6	64.94	17.62	6.21	6.79	1.91	43.3	34.75	443.95	13.47	5.27	1.61	24.68	22.08
April	2395.8	18	123.2	8.15	2718.24	10.11	3.15	340.87	1489.47	369.84	6.21	17.67	37.29	219.96	2460.88	191.12	144.2	156.66	274.26	49.49
May	1059.3	3352.6	6552	22.95	11416.35	30.77	43.81	2598.19	17255.25	9197.79	86.28	1768.03	192.63	45266.15	200.08	89.23	241.27	94.73	153.54	879.62
June	1896.2	4399	68621.8	2932.72	10113.94	1357.58	27580.06	8056.99	936863.16	4321.13	586.86	2212.65	4253.42	6502.97	2610.22	53628.61	34746.38	30423.73	17014.37	1548.02
July	96829.4	18352.2	260610.6	51962.53	48712.09	14220.72	217914.56	319535.08	104020.99	22585.68	36256.48	23500.51	108295.12	97193.37	185079.5	420007.8	175220.2	117160.4	717530.8	21900.07
August	60052.6	112795.6	2942	24534.36	17335.2	10823.17	6788.79	5730.5	5778.64	286606.8	6933.37	10370.8	161523.45	334787	138918.9	36497.58	144054.8	285731	146701.6	762.7
September	2540.2	23981.1	68398.3	29962.59	2920.08	8307.85	219623.6	83971.72	16321.84	1293.98	10196.52	6573.72	10051.82	1726.26	99374.76	1863.16	9891.26	48437.37	68543.06	26852.95
October	1223.3	7571.7	248.2	568122.02	24611.3	496.7	41771.78	529757.88	5667.88	10875.83	161.14	154.34	310.9	91.93	42.88	108.52	12981.34	1352.87	3394.89	17403.77
November	22.8	91.3	6313.6	621.77	201.9	514.04	517.37	122.87	41551.98	47.06	126.21	211.14	366.66	414.52	7.82	6.27	50.67	10.98	112.44	3266
December	1024	1.6	6.1	29.15	1.97	2.21	52.88	8.66	1.47	2.12	2.25	569.02	1.85	20.49	4.85	23.4	6.47	304742.2	0.55	4.18
TOTAL	168410	181004.6	416550.5	678226.9	118058.27	35792.2	528215.41	950349.73	1128974.85	335312.48	54472.83	45391.3	285177.13	486302.3	433491.3	519339.3	377347.9	788112.4	953779.5	72689.45

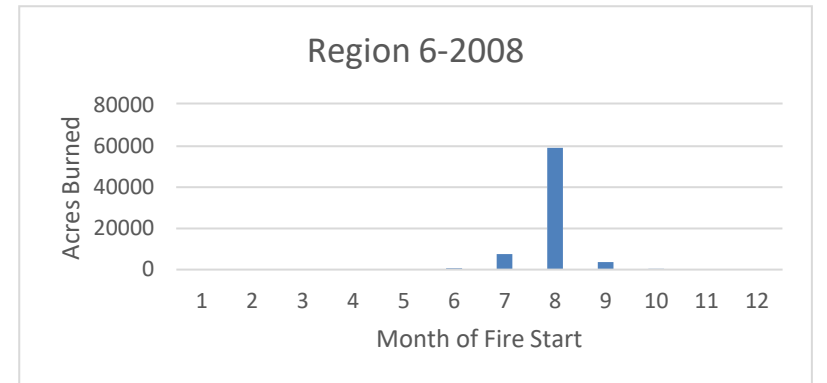
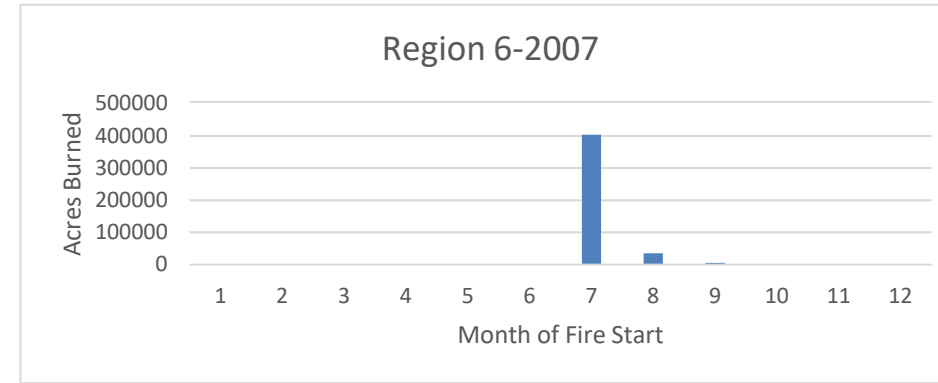
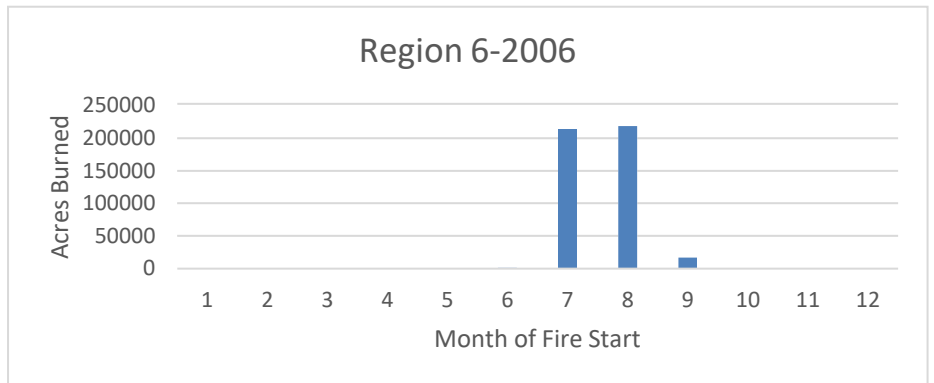
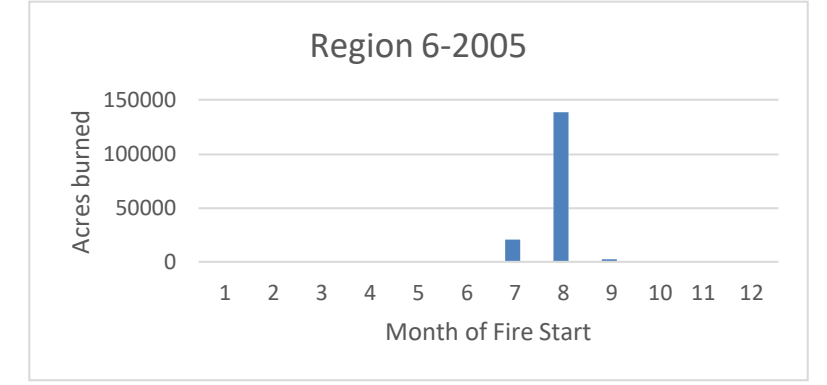
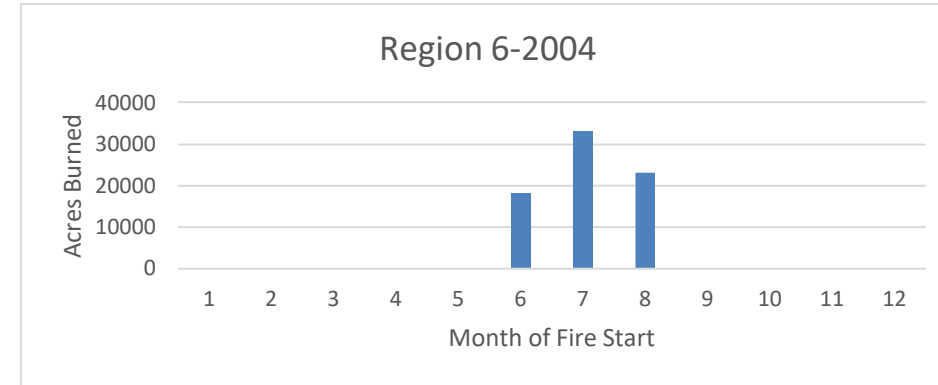
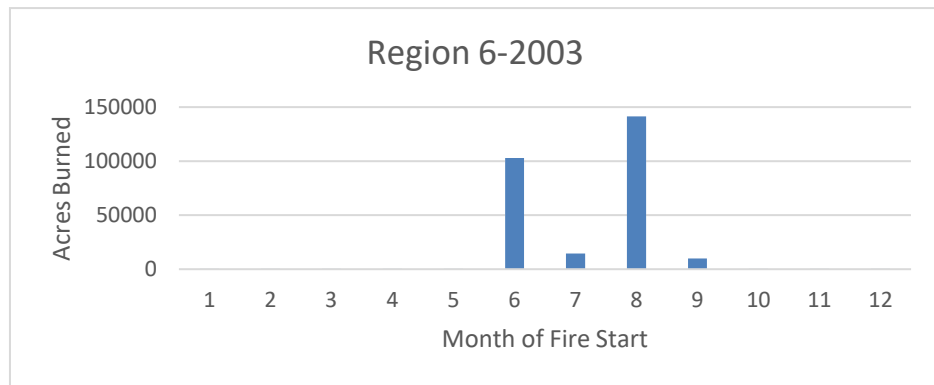
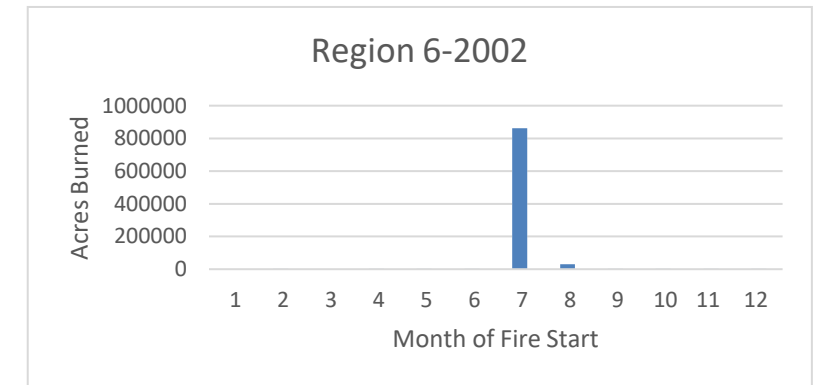
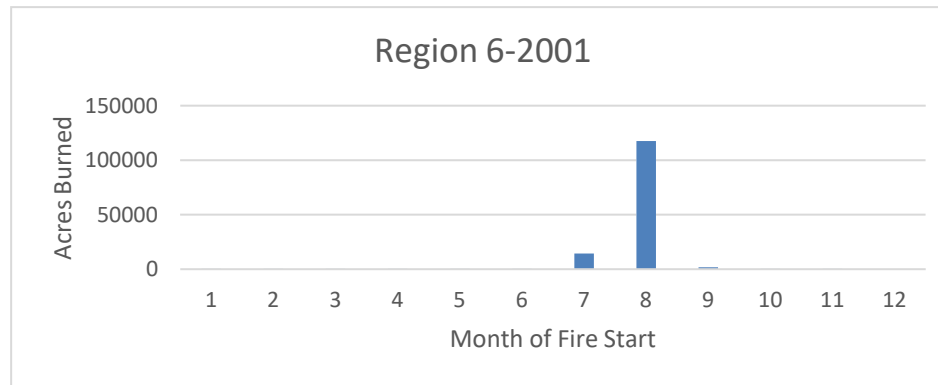
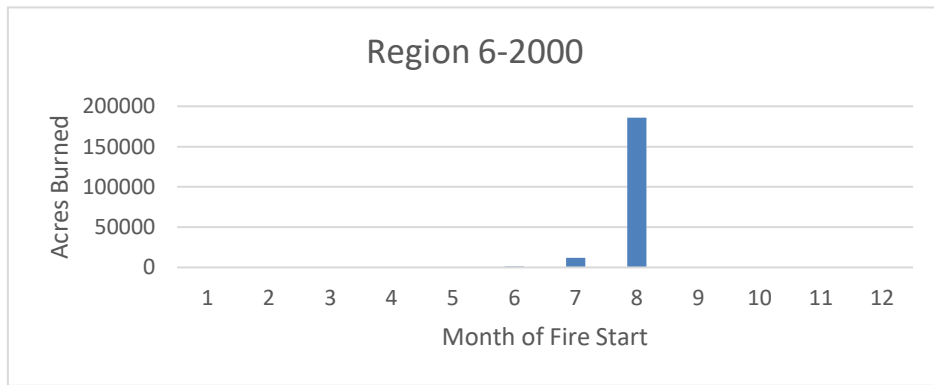


Acres burned in Region 5 by month and year

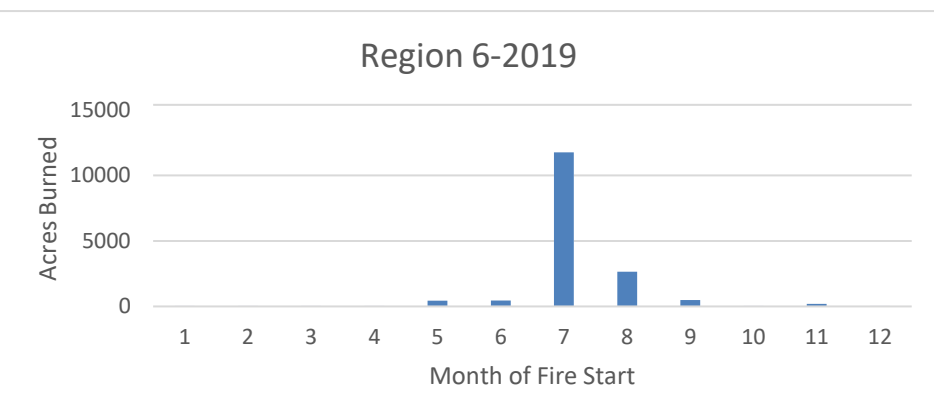
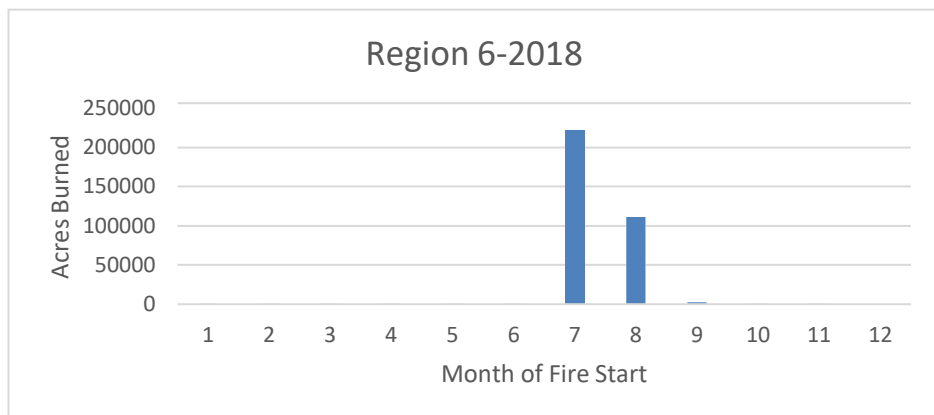
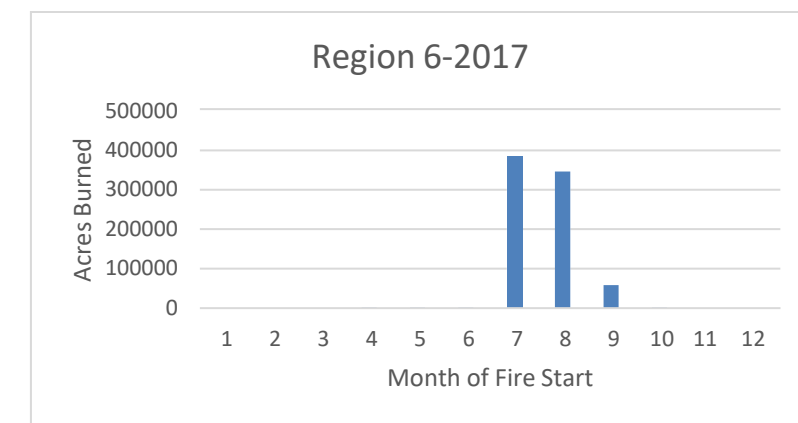
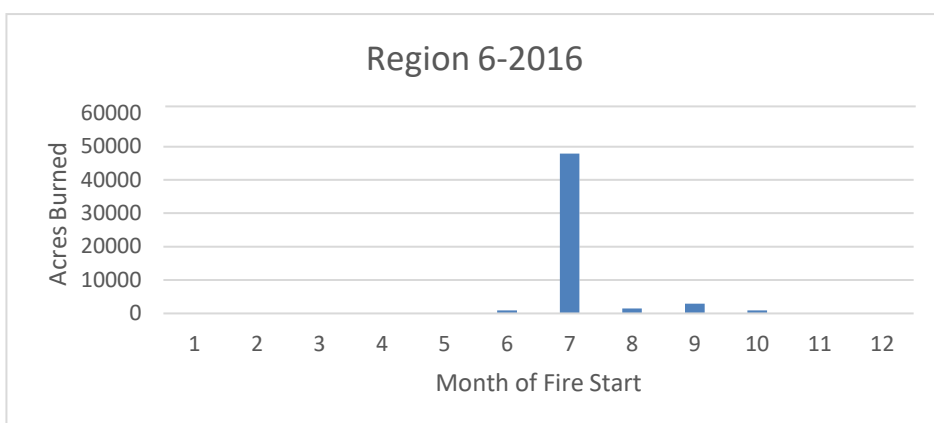
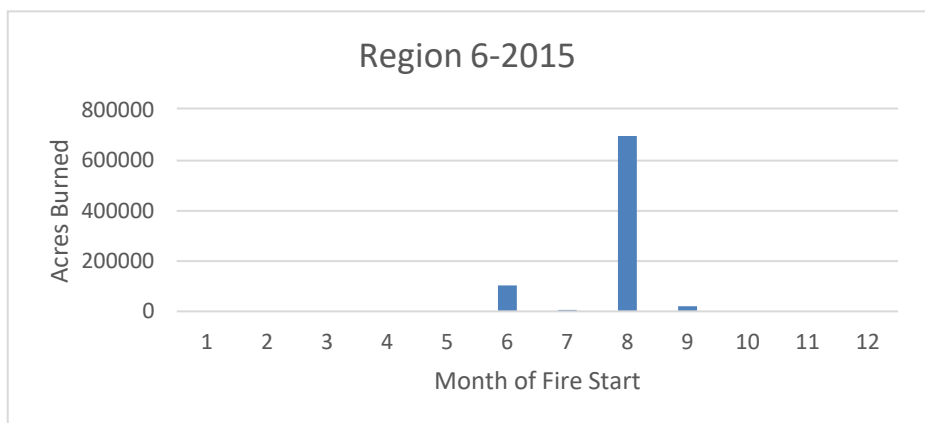
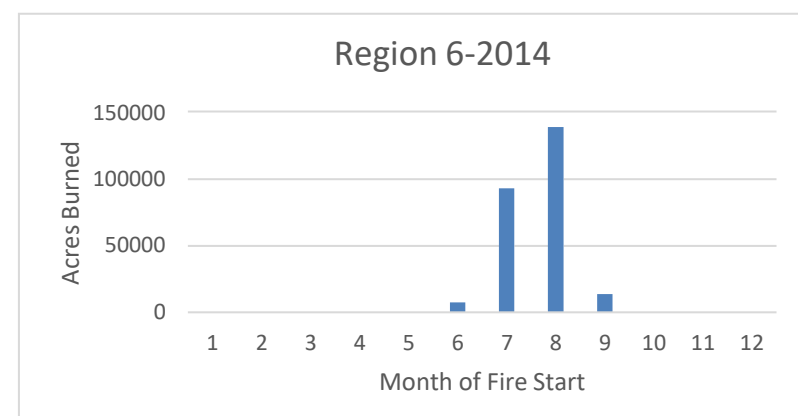
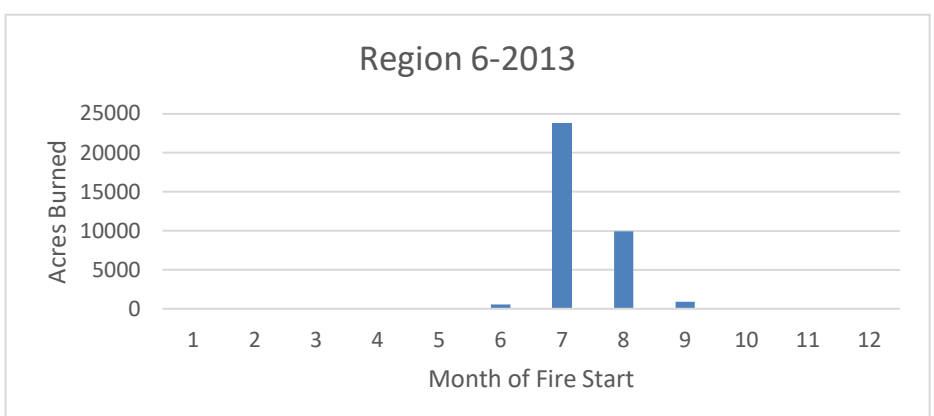
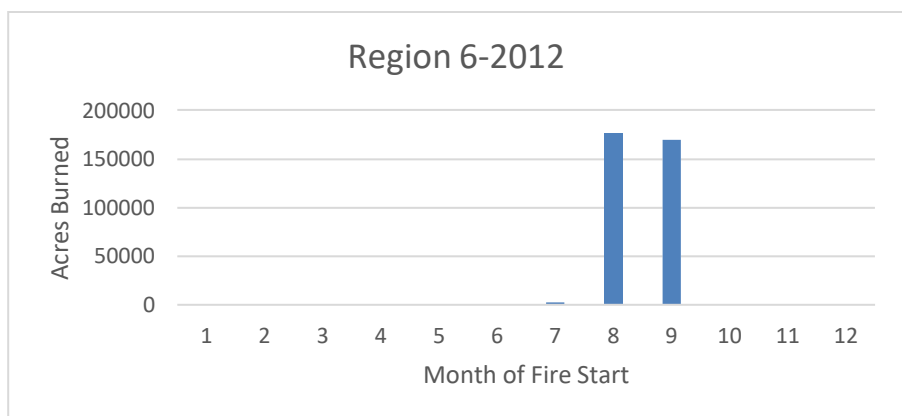
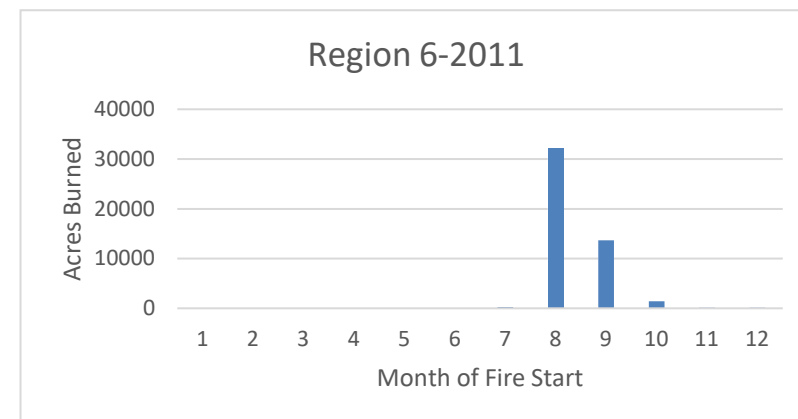
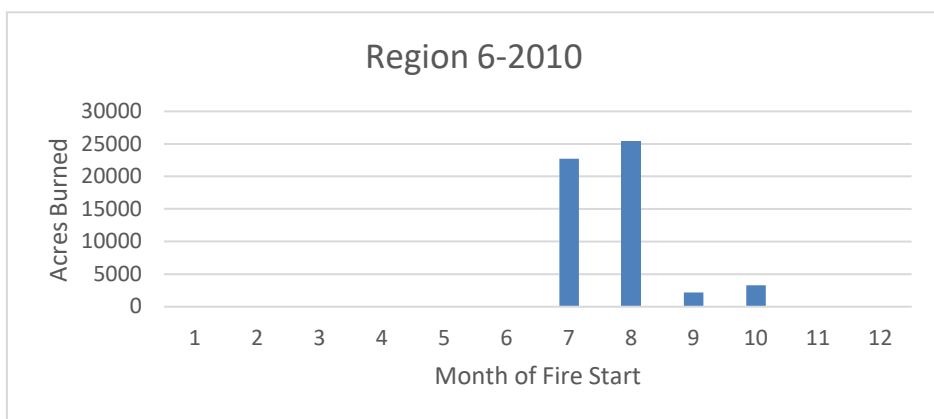
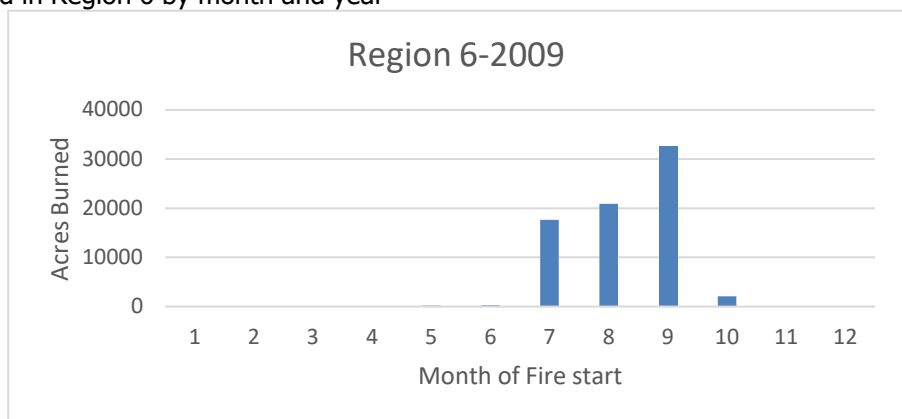


Acres burned in Region 6 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0	0.5	0.1	0.2	0	0	0	0.2	2.5	0.2	0.5	0	1.5	0.2	0.4	0.1	0.3	0	0.2	0.1
February	0.1	0.3	1.2	0.3	0.1	0.55	0.3	0.1	0.11	0.71	0.1	0.1	0.2	0.2	0.1	0.5	0.5	0	1.85	0.2
March	0.4	37.1	0.21	0.4	1.4	60.2	0	3.25	0.3	0.2	0.5	0	0.4	0.7	44.66	5.41	0.4	0.2	0.6	1.8
April	3.5	4.7	6.8	5.4	98.51	2.36	29.4	30.2	5.66	61.22	0.52	0.3	27.8	13.17	82.91	8.27	11.66	0.61	8.5	25.8
May	27.5	272.25	255.4	115.2	10.2	9.88	133.84	186.06	73.15	187.69	2.36	33.2	442.13	72.03	33.01	120.4	12.96	183.65	28.84	426.9
June	1046.8	234.9	315.4	102941.55	18230.41	18.58	1100.4	317.08	599.3	257.29	12.37	9.29	18.1	542.47	7372.24	102895.8	857.56	328.42	292.59	442.09
July	12030.85	14504.95	862386.5	14722.71	33203.77	20593	213822.2	403724.4	7532.86	17654.05	22704.17	214.75	2494.49	23712.58	93107.92	6032.12	47910.83	384251.5	221297.4	11760.76
August	185974.55	117886.11	30444.58	141193.04	23170.03	139190.47	218621.23	35015.53	59270.22	20888.74	25410.76	32089.41	176686.19	9936.97	139210	697788	1471.76	346265.8	111410.7	2633.53
September	230.9	1935.5	696.65	9952.53	107.9	2593.7	16938.23	5042.98	3545.27	32602.39	2192.99	13701.15	170344.71	904.01	13615.83	19480.27	2920.44	58205.25	2306.25	480.78
October	21.4	153.3	185.8	34.36	18.51	14.46	499.31	78.35	387.43	2095.98	3262.11	1367.15	458.84	95.74	48.19	383.08	934.56	556.35	31.51	19.6
November	1.8	94.6	979.3	3.8	1.71	1.46	19.01	286.15	2.1	2.75	0.6	84.89	44.75	2.01	0.6	1.69	4.97	0.1	201.59	175.15
December	0.3	0	10.9	0.1	0.21	0	0.1	0.2	0.5	0	0.1	106.7	0.11	0.45	0.1	0	0.2	0.2	0	0.2
TOTAL	199338.1	135124.21	895282.84	268969.59	74842.75	162484.66	451164.02	444684.5	71419.4	73751.22	53587.08	47606.94	350519.22	35280.53	253516	826715.7	54126.14	789792.1	335580	15966.91

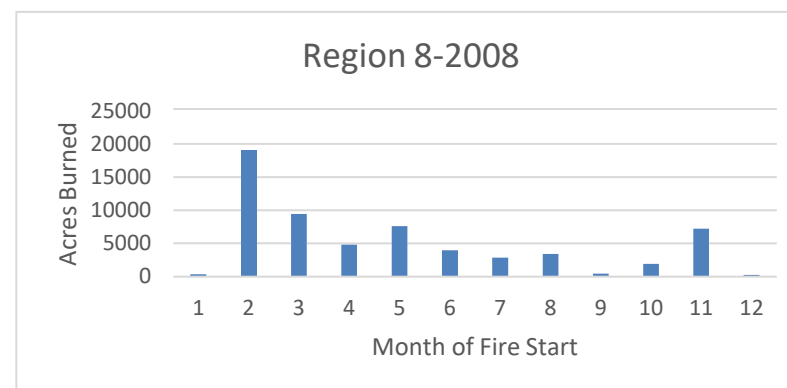
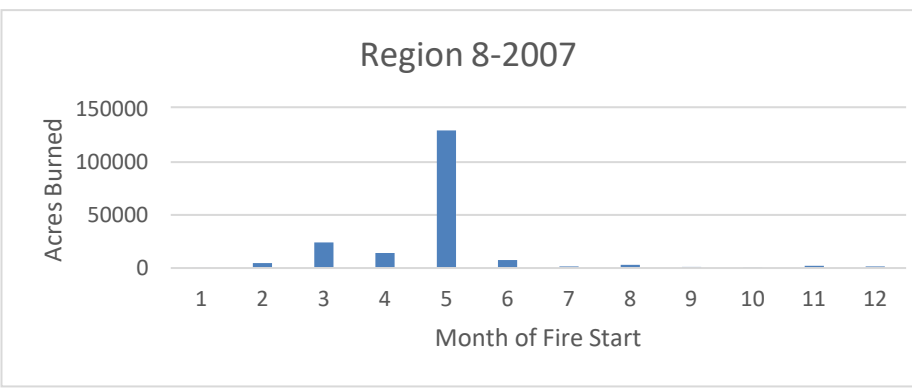
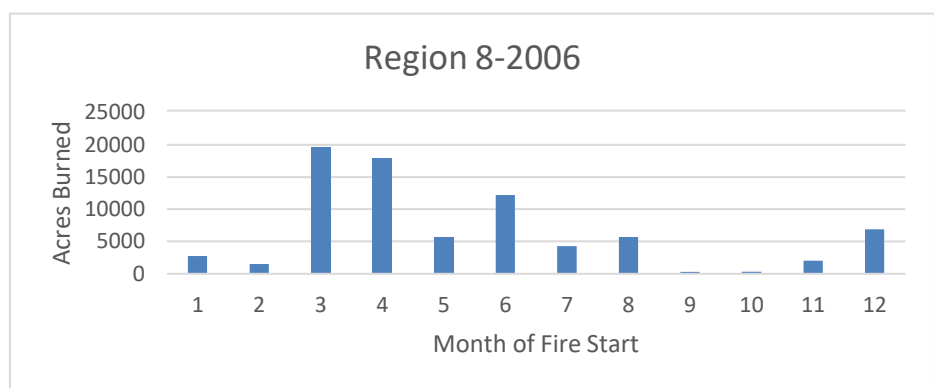
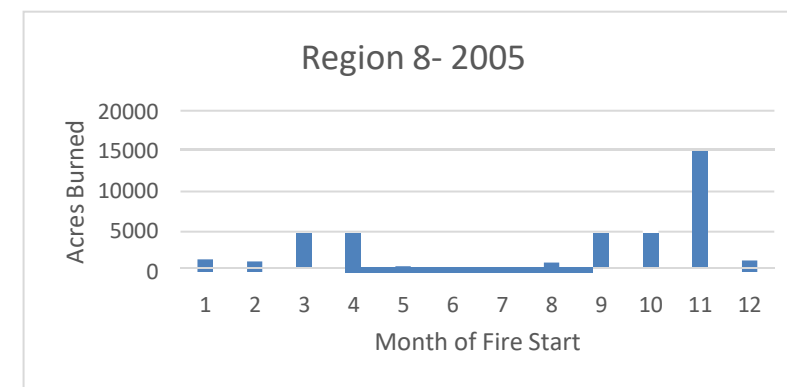
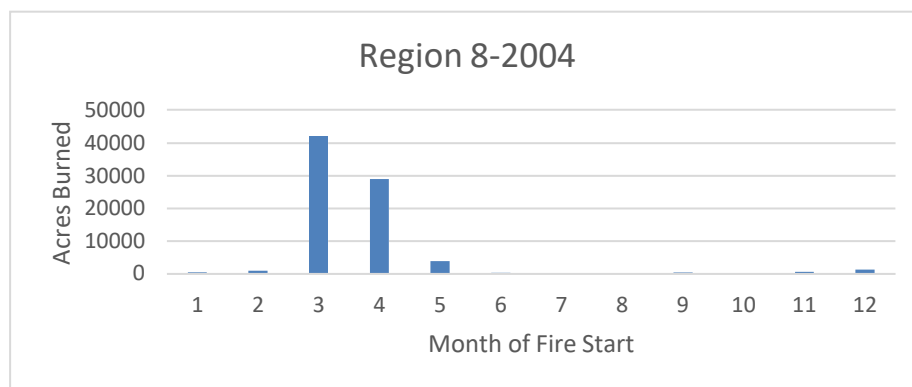
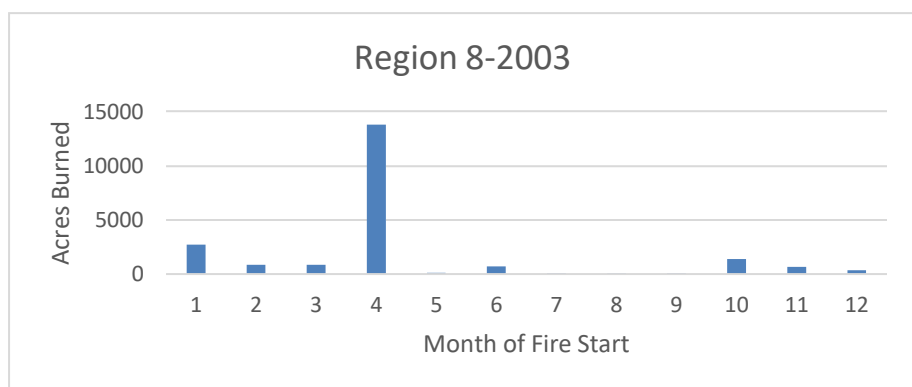
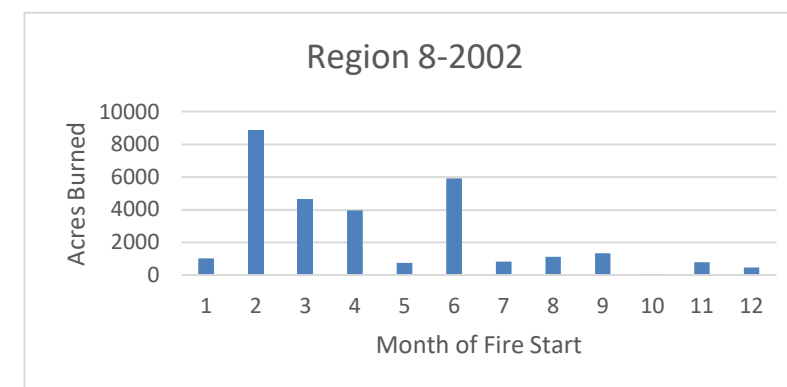
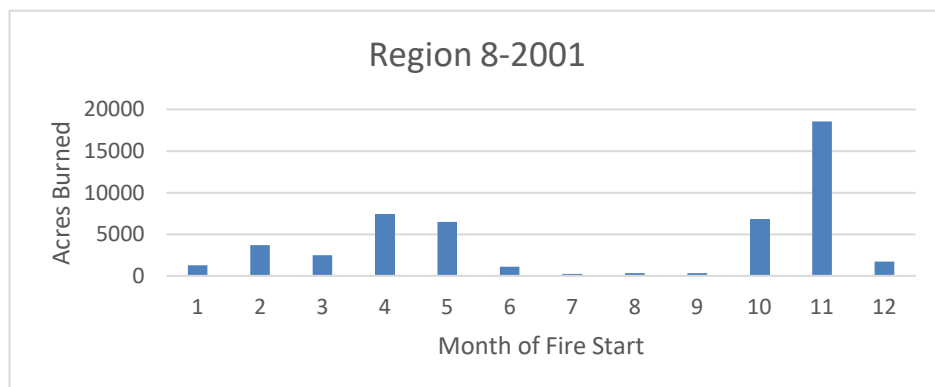
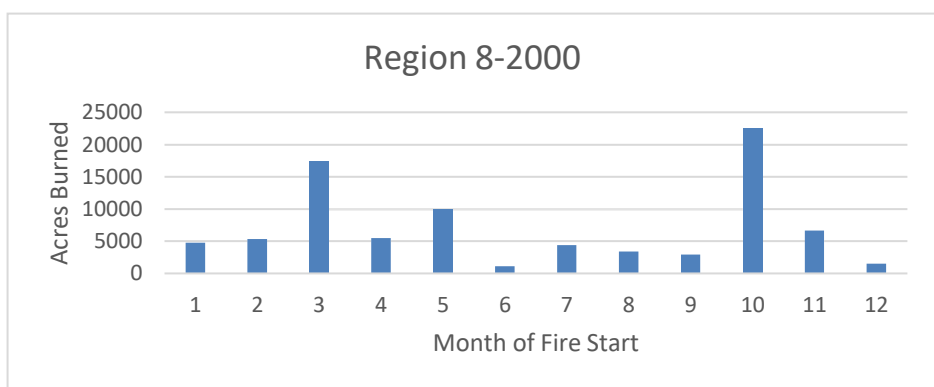


Acres burned in Region 6 by month and year

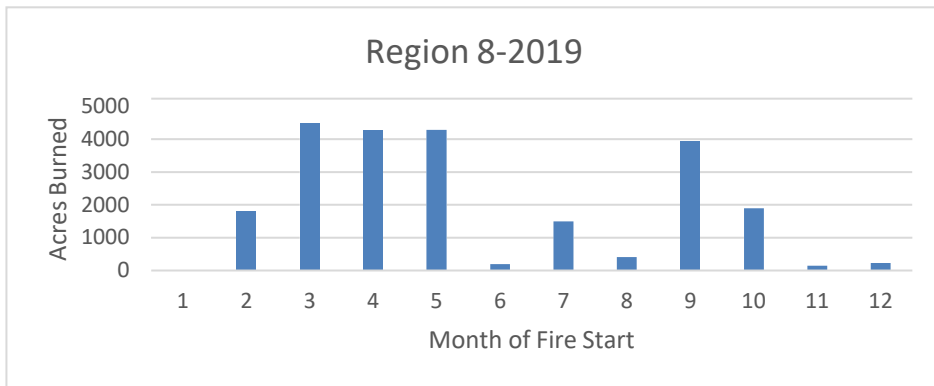
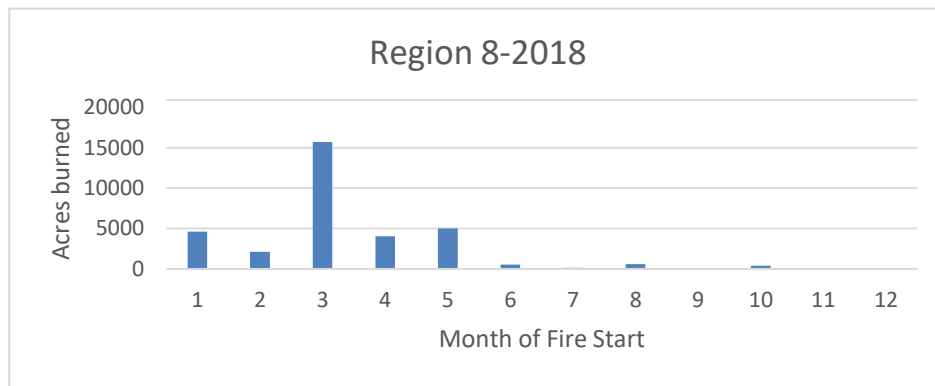
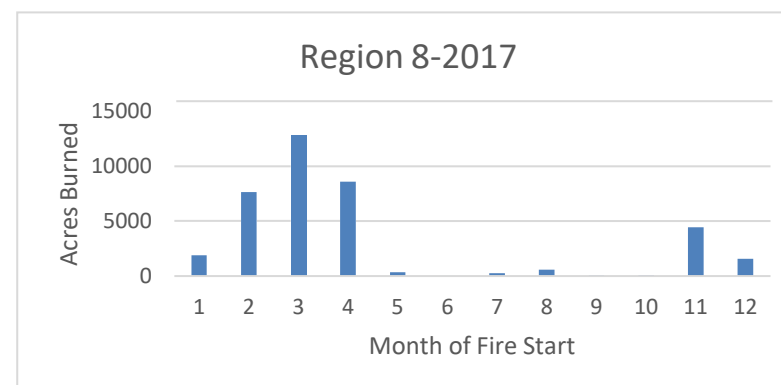
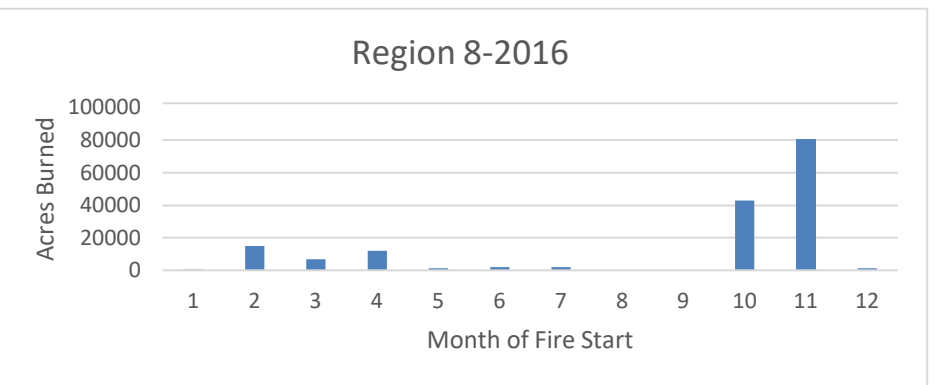
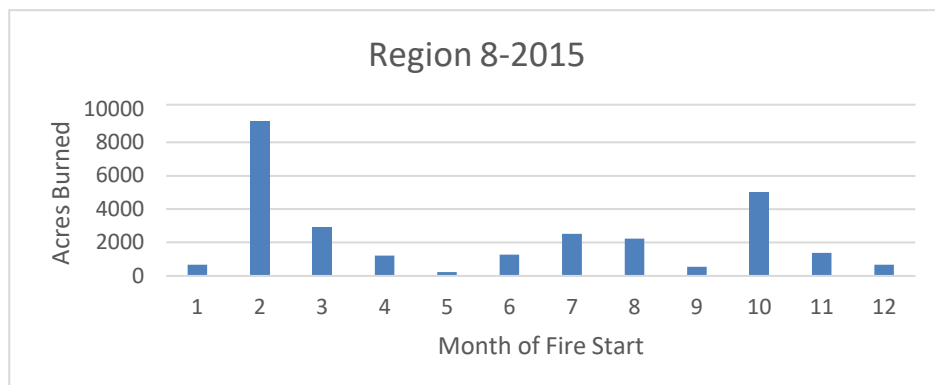
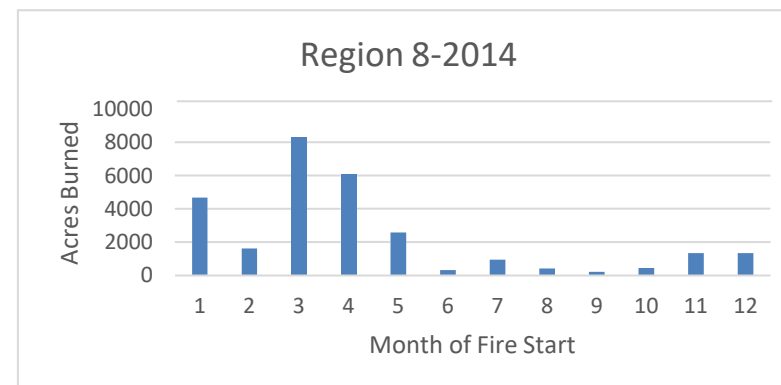
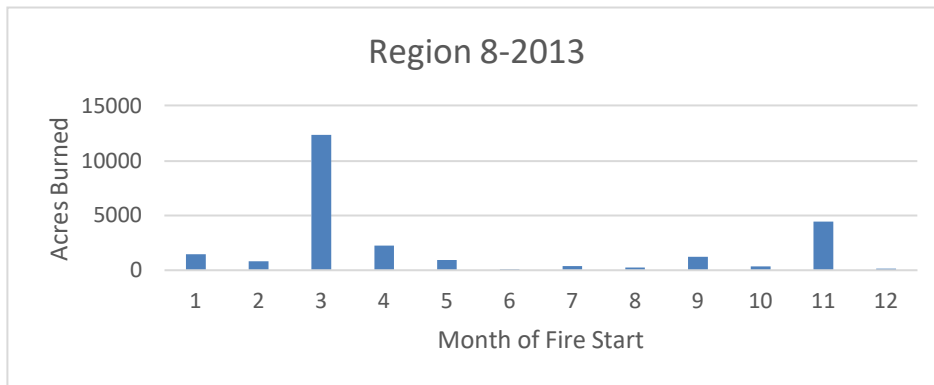
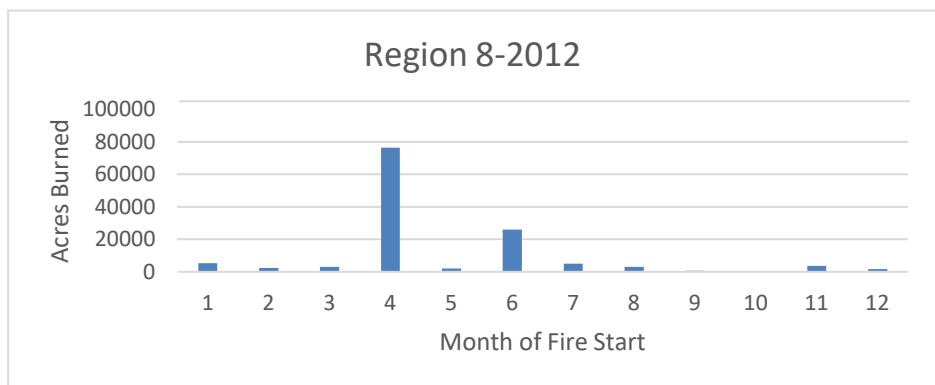
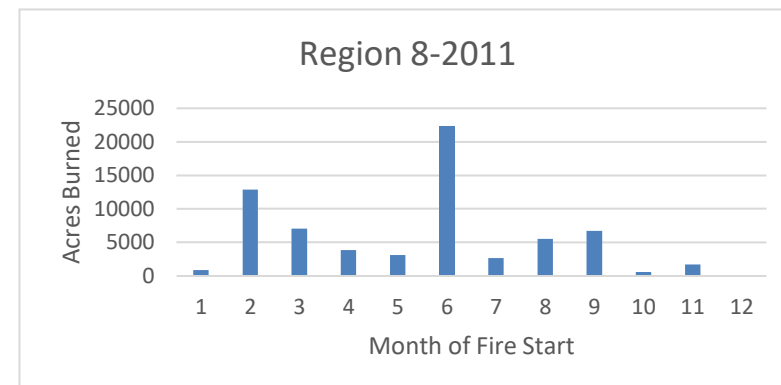
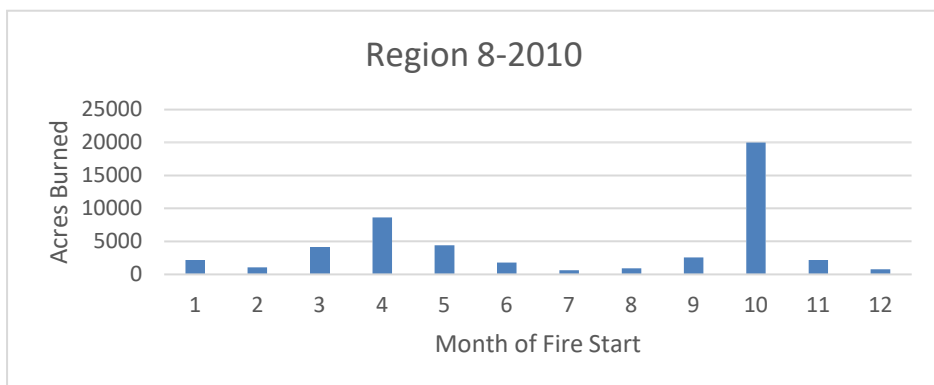
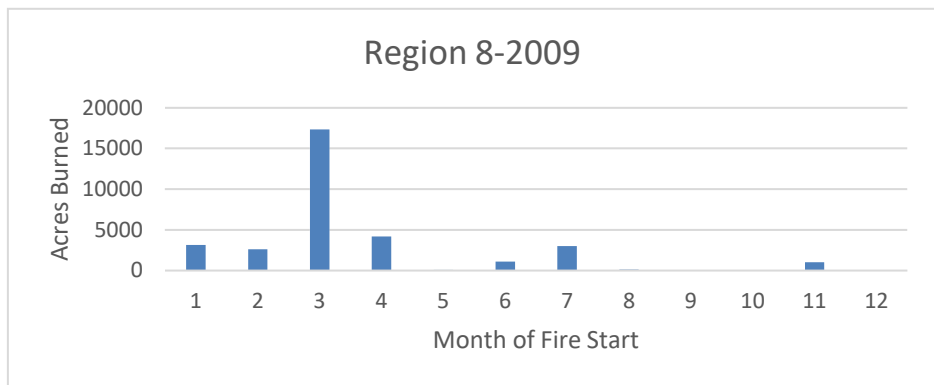


Acres burned in Region 8 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	4752	1266.9	1022	2731.65	532.45	1562.86	2721.89	352.05	385.39	3138.16	2149.95	822.55	5416.94	1461.44	4674.4	686.09	309.87	1891.34	4608.11	16.6
February	5305	3717.1	8880	852.9	1032	1315.46	1504.3	4911.4	19091.09	2635.88	1053.36	12853.34	2395.22	812.37	1616.91	9251.32	15003.76	7650.02	2142.36	1811.2
March	17374.6	2484.4	4621.7	844.05	42077.43	4445.2	19533.77	24264.73	9437.1	17313.81	4066.96	7037.94	3246.67	12389.66	8308.18	2881.82	6768.92	12809.21	15729.97	4499.06
April	5486.6	7367.6	3957.3	13839.55	28998.69	2817.12	17944.22	14116.17	4841.97	4212.9	8653.59	3839.86	76451.83	2260.93	6098.89	1207.9	11958.48	8601.15	4059.45	4272.08
May	9936.1	6473.9	743.2	121.61	3912.12	704.48	5681.44	129926.78	7602.63	73.7	4397.33	3094.83	2152.6	943.04	2572.14	239.65	1284.86	341.03	5016.98	4280.28
June	1085.9	1109.6	5924.3	694.9	292.95	245.4	12199.06	7640.48	3946.44	1082.52	1787.68	22370.48	25928.44	80.07	325.88	1277.8	2029.8	33.16	518.84	197.74
July	4360.8	204.4	819.5	69.4	72.9	410.08	4294.26	1343.74	2845.89	3038.21	632.99	2643.49	5188.6	362.71	935.37	2516.54	1977.63	260.42	125.04	1490.66
August	3394.6	329.6	1115.3	63.17	192.3	1201.5	5713.39	3129.93	3422.76	113.2	917.76	5545.06	3096.48	259.3	429.67	2236.26	172.4	589.34	613.64	412.06
September	2934.7	318.9	1331.2	96.04	404.71	2972.87	275.53	1222.53	423.85	17.65	2552.38	6709.98	875.16	1233.61	212.75	537.53	260.95	57.06	75.8	3951.46
October	22501	6824.1	45.4	1383.7	211.55	6452.29	354.98	665.72	1933.91	38.9	19971.08	578.88	389.9	353.36	444.1	5036.27	42985.48	80.79	431.22	1896.17
November	6663.9	18566.2	785.2	676	612.71	15029.45	2051.99	2061.25	7240.57	1022	2153.25	1709.82	3770.64	4435.81	1348.35	1394.34	80897.16	4466.81	3.99	154.3
December	1474.5	1693	473.1	346.07	1283.41	1408.2	6867.63	1576.62	300.62	38.5	744.83	59.08	1789.8	154.46	1354.36	684.37	1223.48	1571.52	4.2	228.97
TOTAL	85269.7	50355.7	29718.2	21719.04	79623.22	38564.91	79142.46	191211.4	61472.22	32725.43	49081.16	67265.31	130702.28	24746.76	28321	27949.89	164872.8	38351.85	33329.6	23210.58

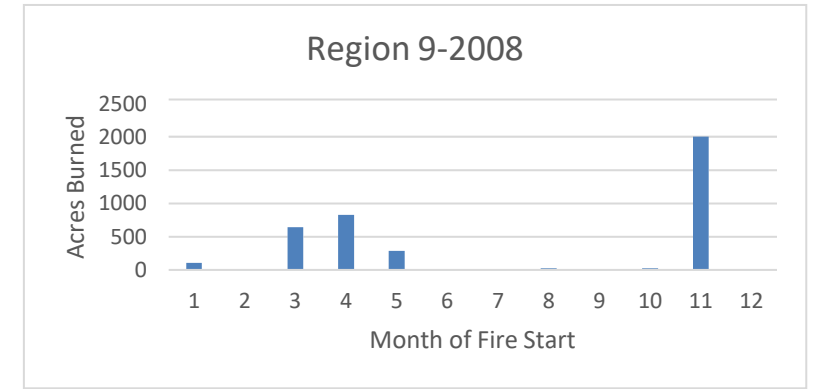
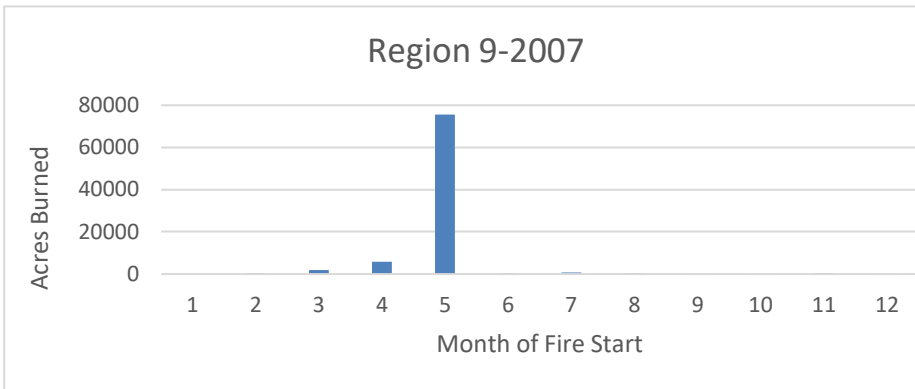
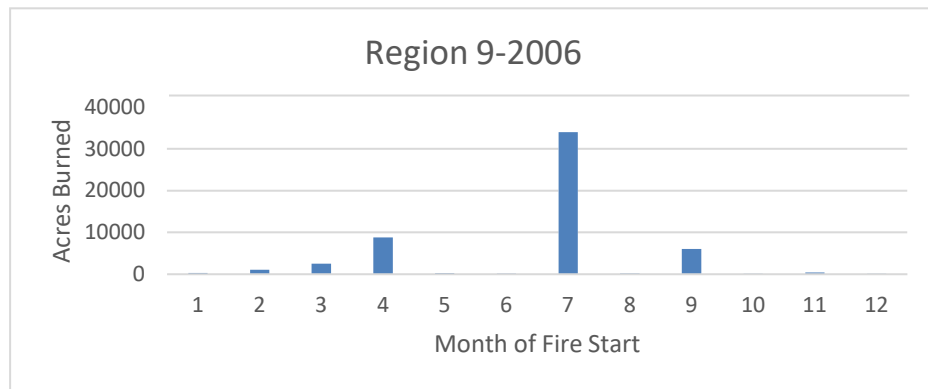
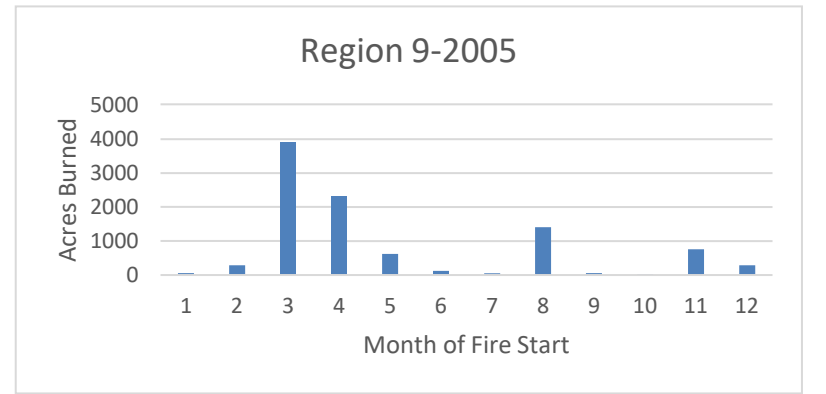
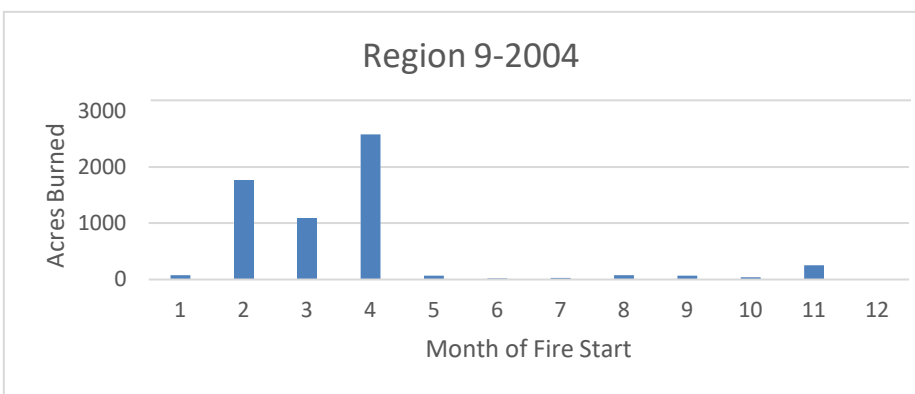
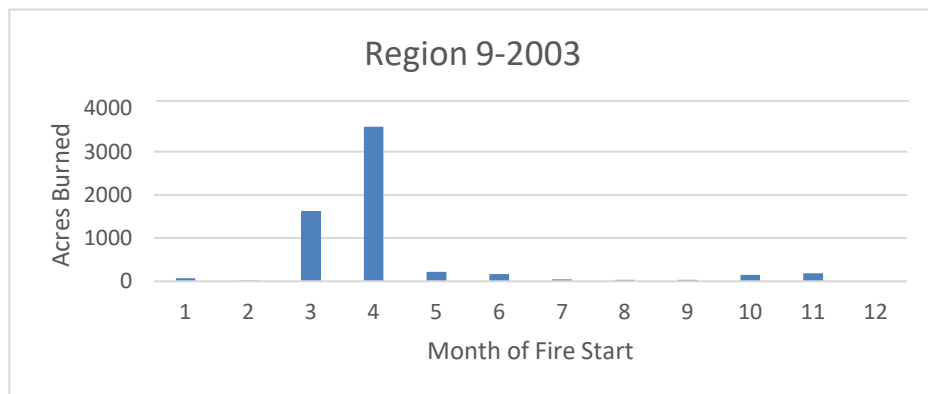
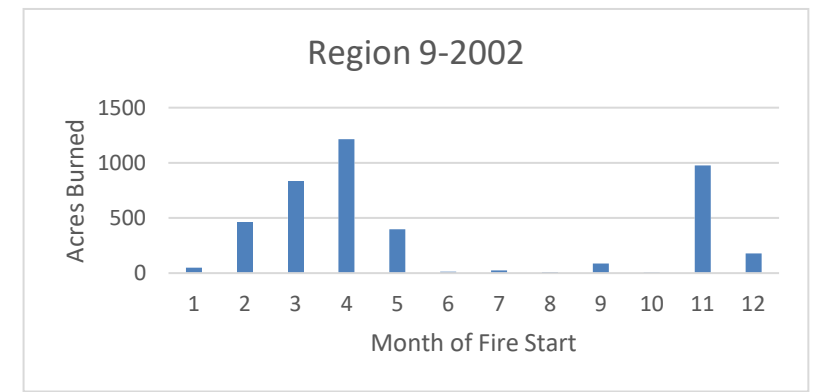
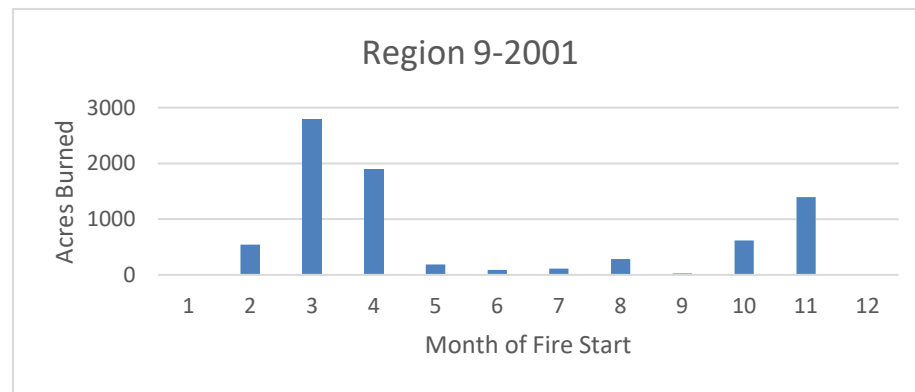
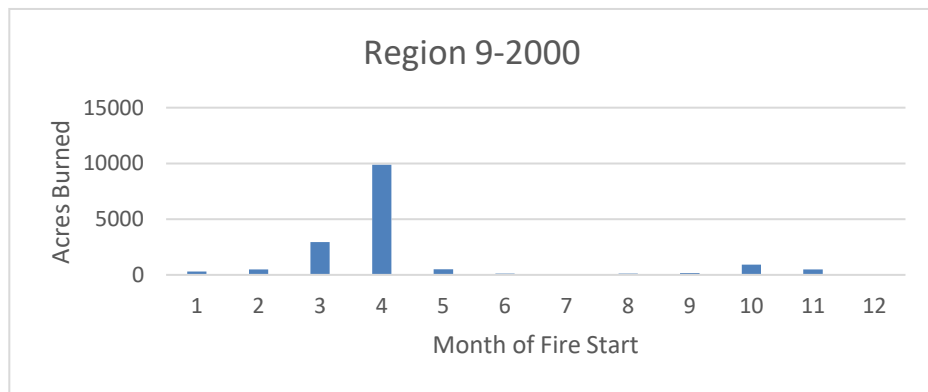


Acres burned in Region 8 by month and year

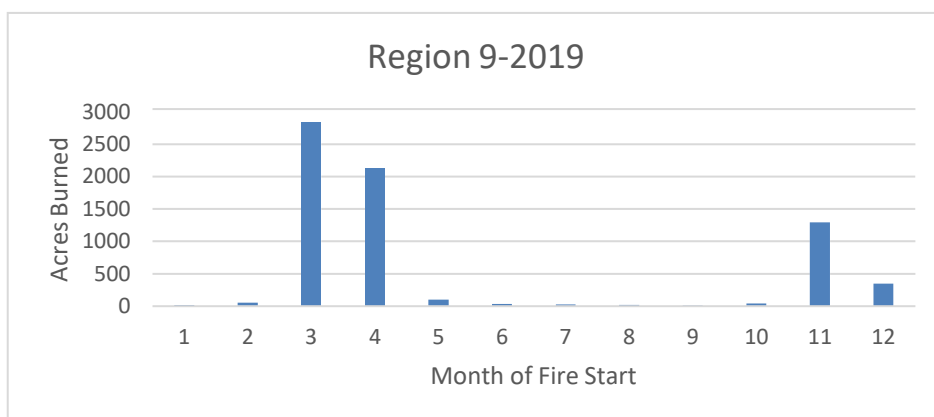
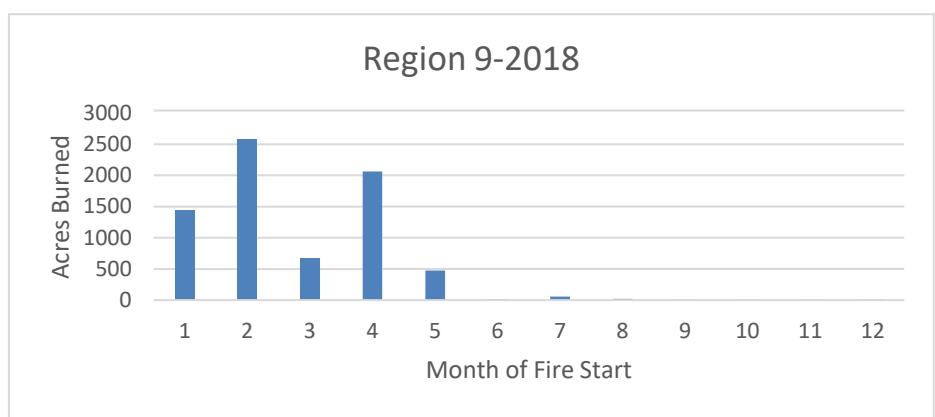
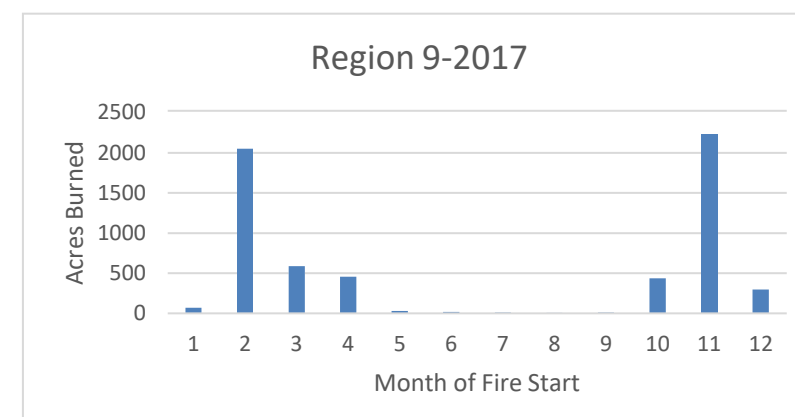
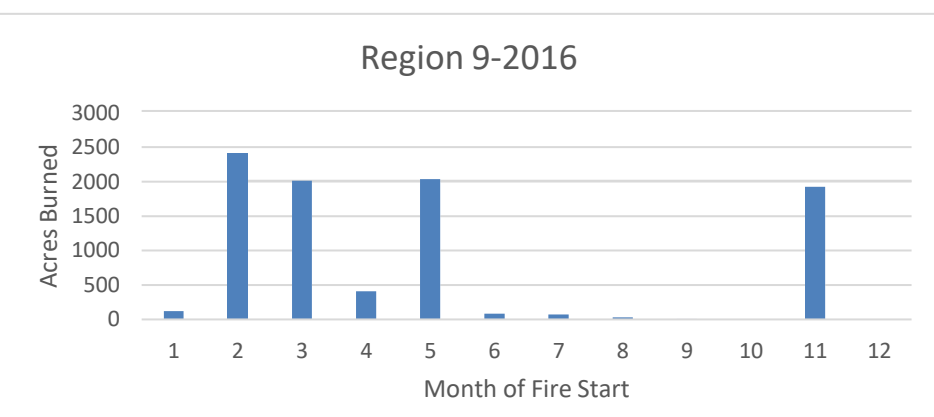
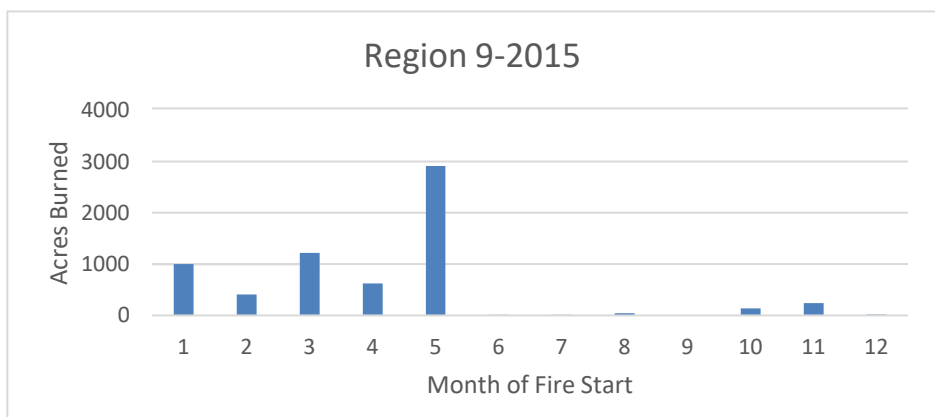
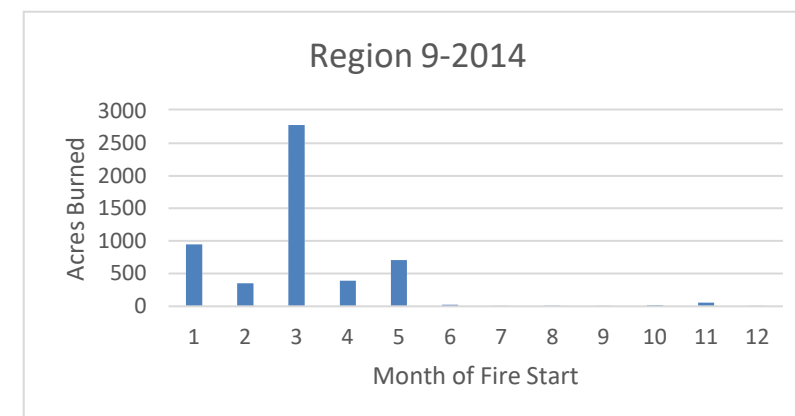
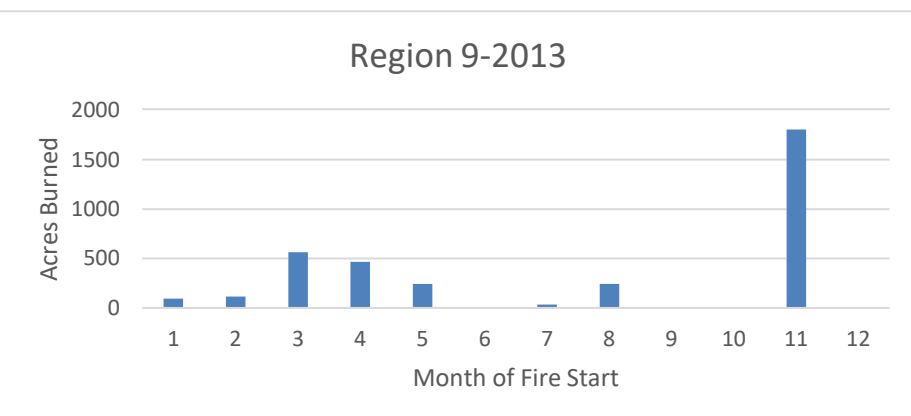
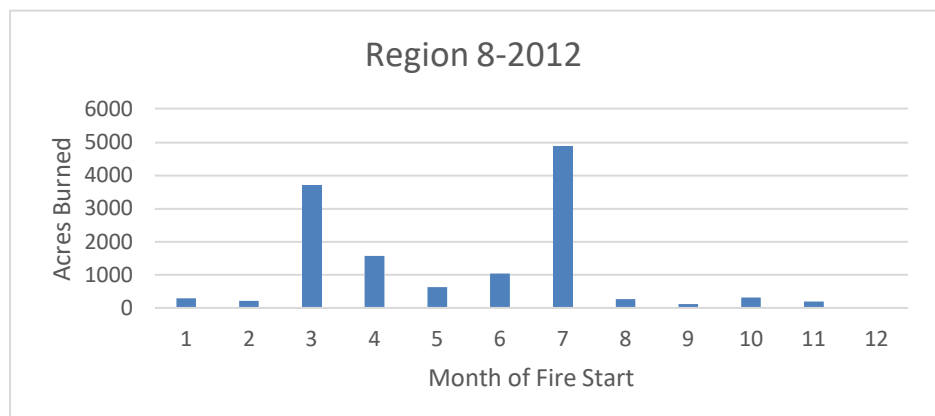
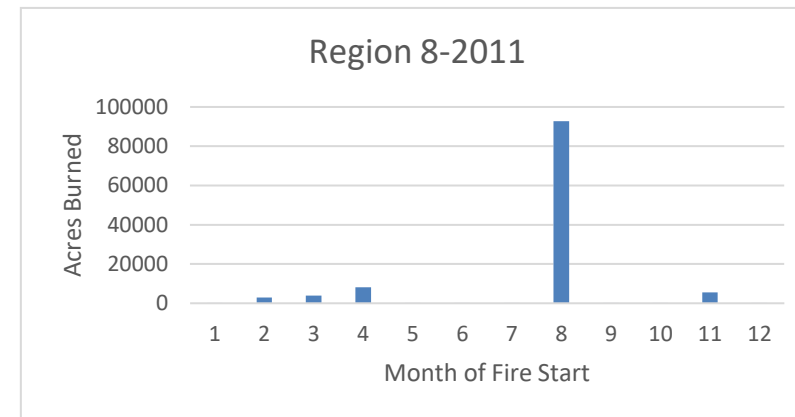
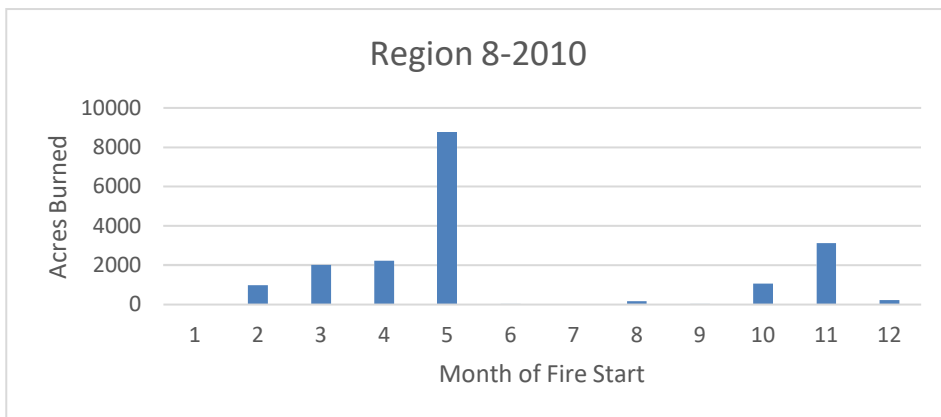
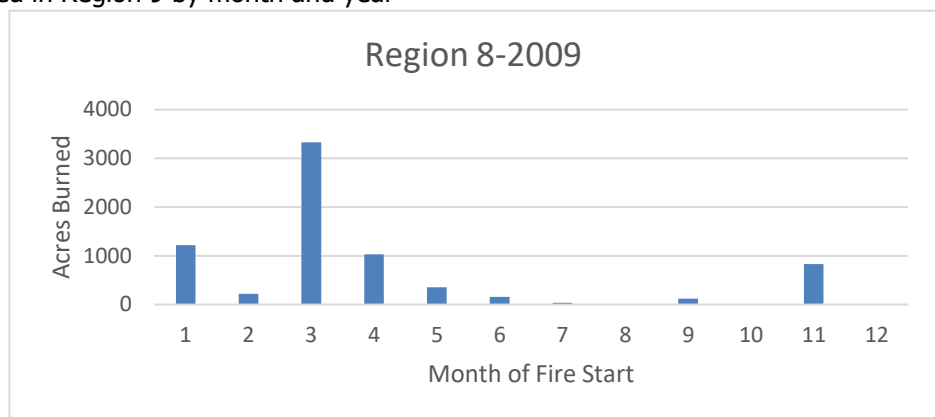


Acres burned in Region 9 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	326.3	0.5	51.4	62.6	73.3	61.1	318.1	0	107.1	1214.99	0	17	285.29	94.4	948.05	1006.58	123.58	70.1	1440.76	12.8
February	479.5	540.7	460.1	11.9	1769.4	288.32	1075.41	378.75	0.2	217.11	982.3	2927.33	212.45	116.6	355.17	410.28	2417.32	2049.49	2585.19	56.14
March	2947.5	2792.1	835.1	1615.33	1085.8	3921.11	2490.29	1815.08	641.45	3332.26	2021.48	3867.07	3706.04	560.77	2778.44	1225.48	2011.51	588.96	675.36	2839.6
April	9884.9	1900.4	1216.5	3578.46	2581.52	2315.84	8775.55	5830.71	830.97	1029.88	2223.21	8128.54	1577.58	465.35	392.73	625.83	406.98	455.97	2065.95	2121.9
May	518.5	182	399.4	212.75	68.68	624.47	245.97	75577.35	288.63	352.32	8777.32	57.27	623.33	240.43	708.85	2913.01	2037.99	30.08	477.22	95.95
June	104.5	87.6	13.7	161.95	17.83	125.46	107.65	418.93	9.71	160.31	39	57.18	1045.4	8.4	24.04	11.46	79.82	17.92	13.05	33.59
July	57.1	109.5	26.2	43	30.71	54.75	34028	697.36	9.11	30.29	14.23	20.6	4870.44	35.93	3.7	9.13	72.03	8.31	55.79	23.25
August	104.3	279.5	11.2	29.68	76.1	1411.05	114.02	400.93	28.04	2.13	166	92734.01	269.79	242.16	11.15	43.03	29.76	5.36	22.02	17.85
September	174.3	21.8	87.5	30.8	70.4	63.81	6014.83	110.76	2.85	120.8	32.85	69.77	111.72	6.11	0.62	5.05	5.2	7.9	1.05	7.79
October	923.2	613.1	6.6	147.8	44.12	22.05	71.4	144.9	28.8	1.3	1062.19	86.19	315.91	3.4	13.81	136.37	1.35	436.32	0.4	38.08
November	487.6	1396	978.8	187.1	249.71	762.45	352.59	282.73	2004.11	829.7	3122.22	5507.24	194.18	1804.15	54.4	241.58	1925.4	2233.92	1.53	1291.85
December	42.1	9.9	178.9	0	1.2	287.65	55.1	13	9.95	5.61	223.37	10.9	3.43	0	2.6	16	1.76	297.61	10.8	344.21
TOTAL	16049.8	7933.1	4265.4	6081.37	6068.77	9938.06	53648.91	85670.5	3960.92	7296.7	18664.17	113483.1	13215.56	3577.7	5293.56	6643.8	9112.7	6201.94	7349.12	6883.01

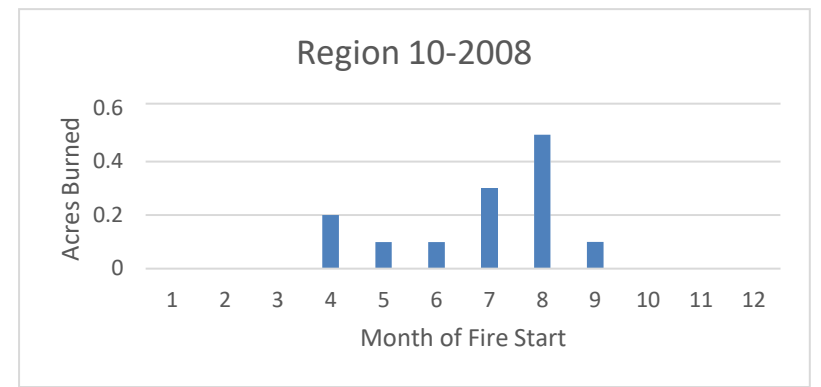
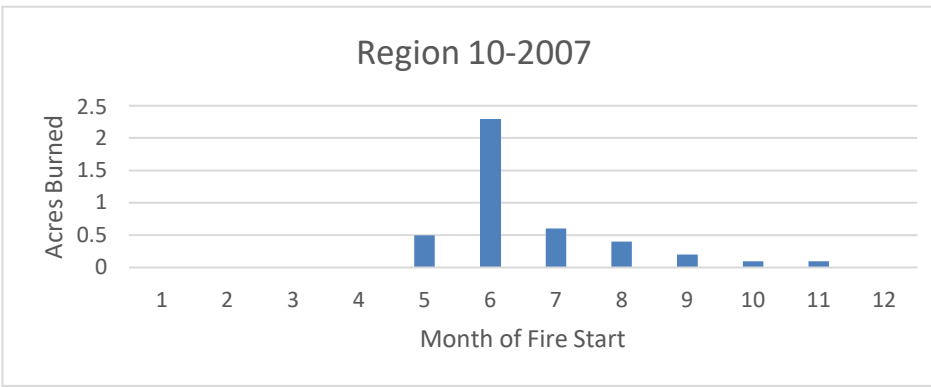
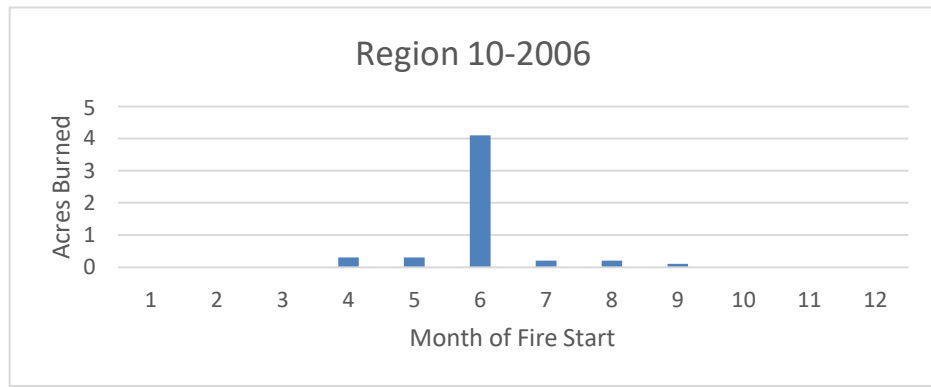
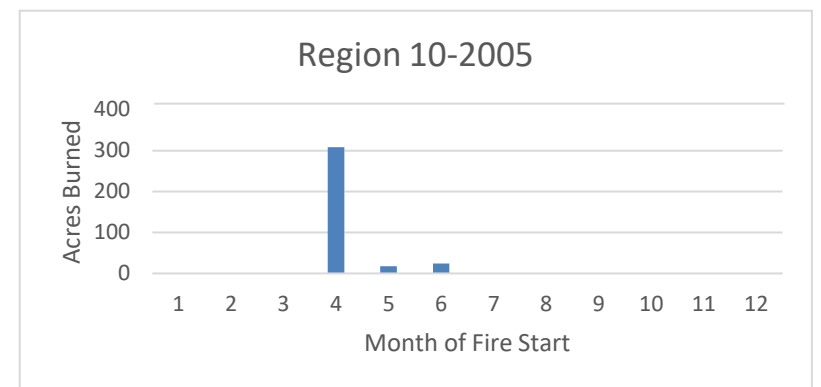
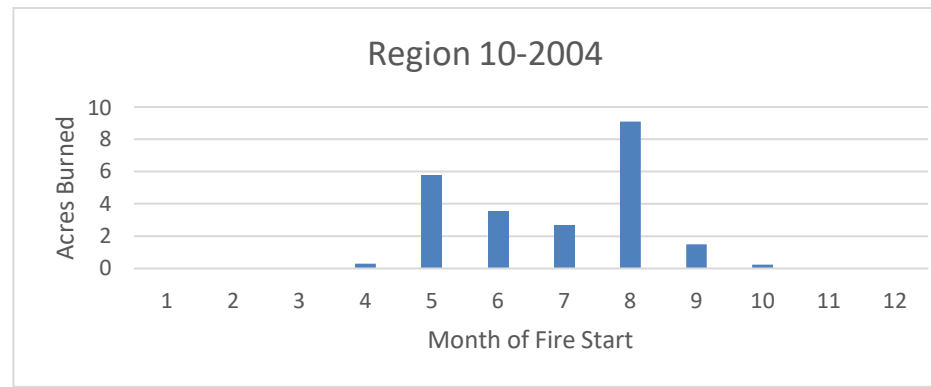
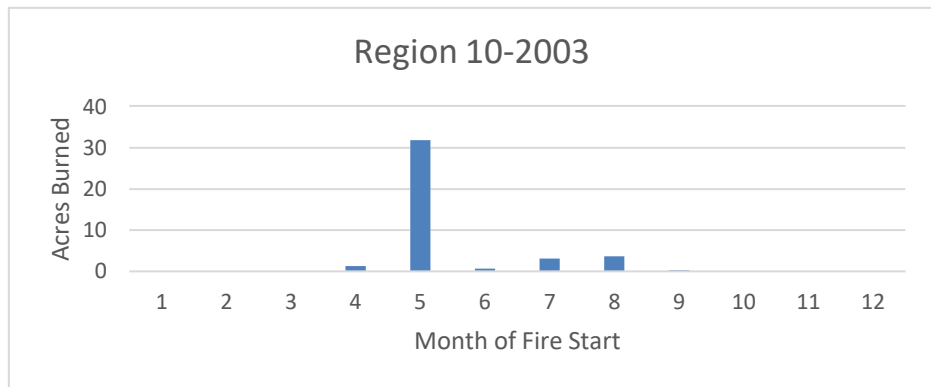
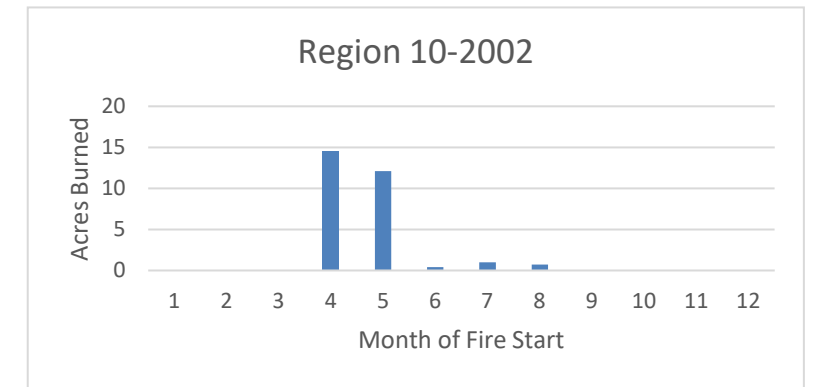
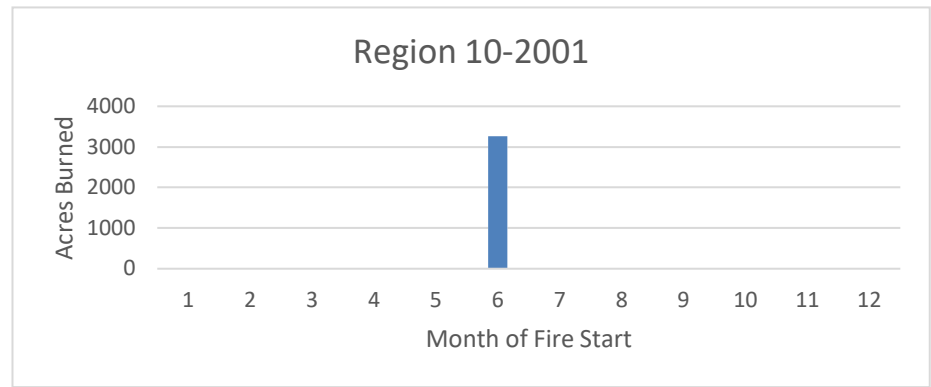
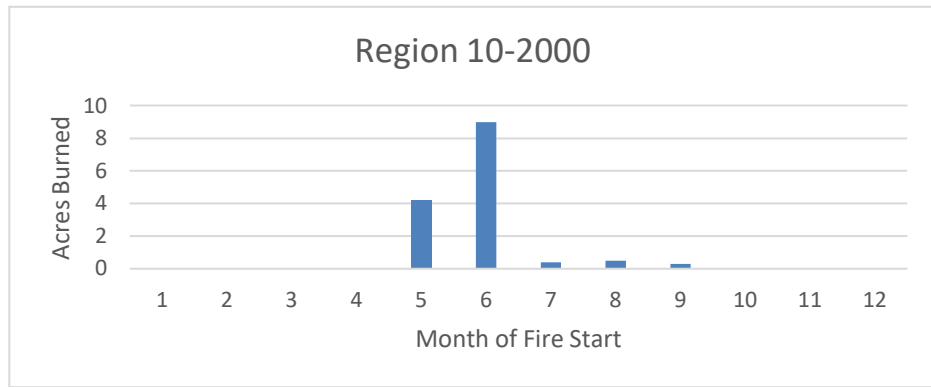


Acres burned in Region 9 by month and year

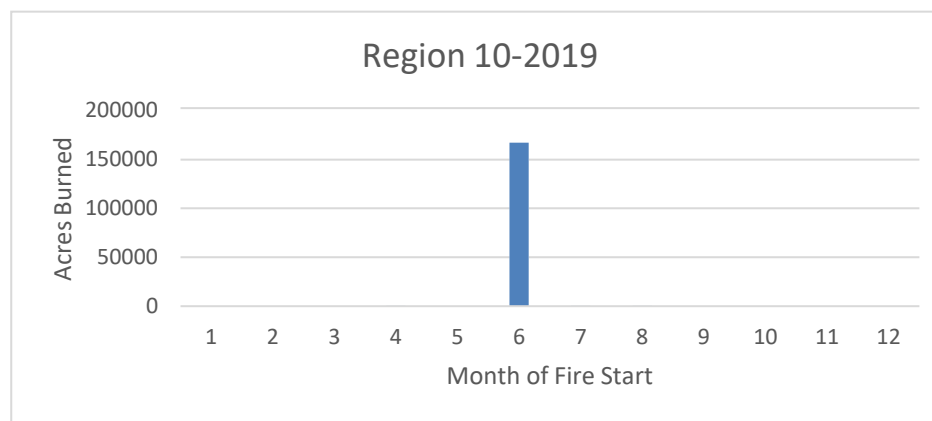
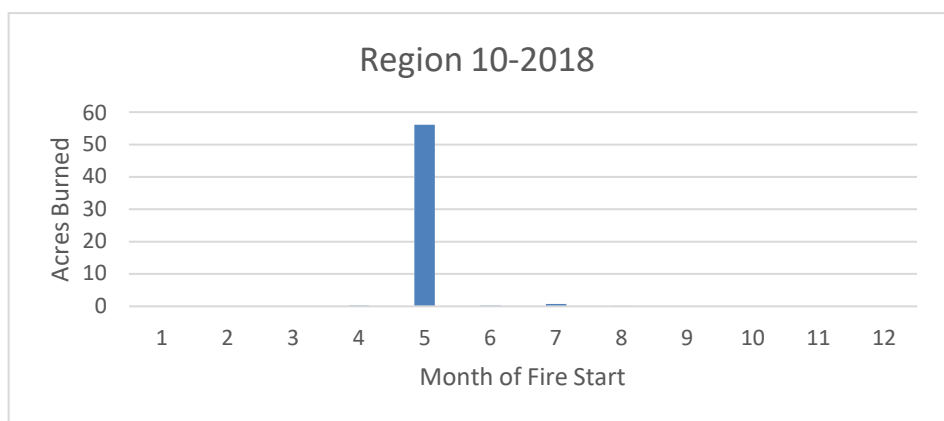
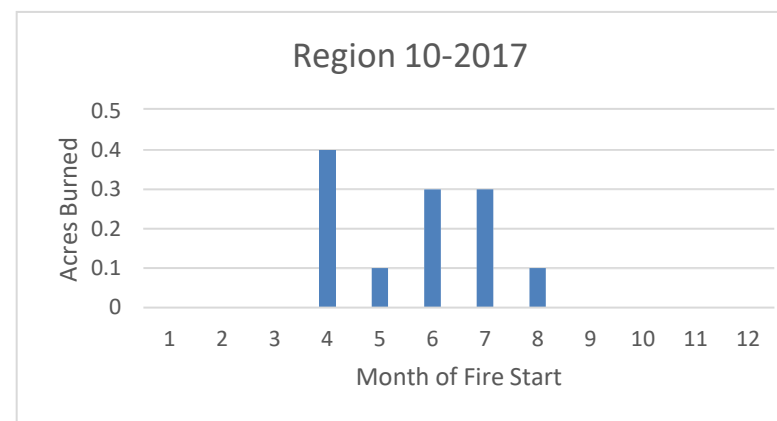
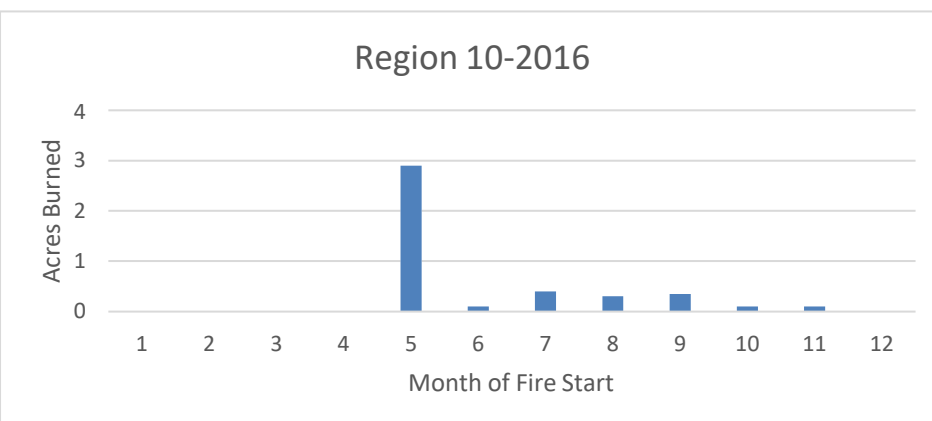
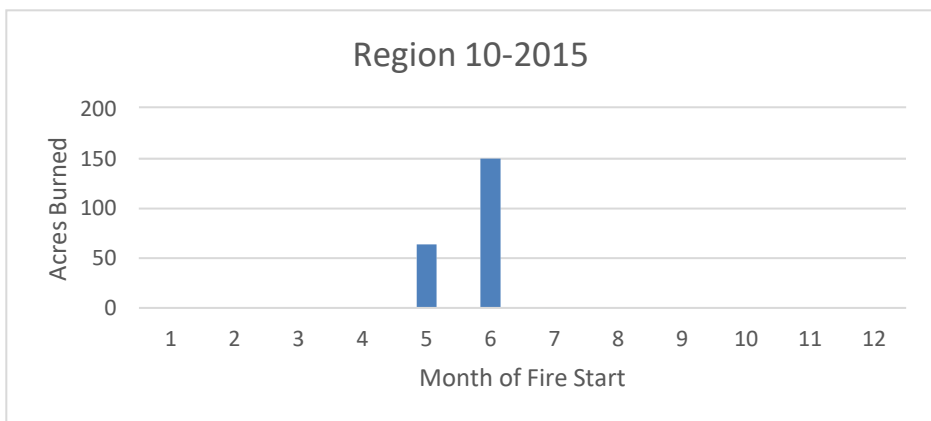
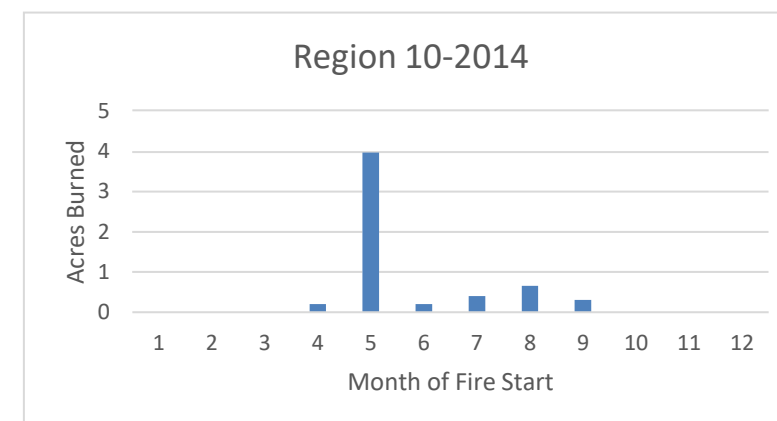
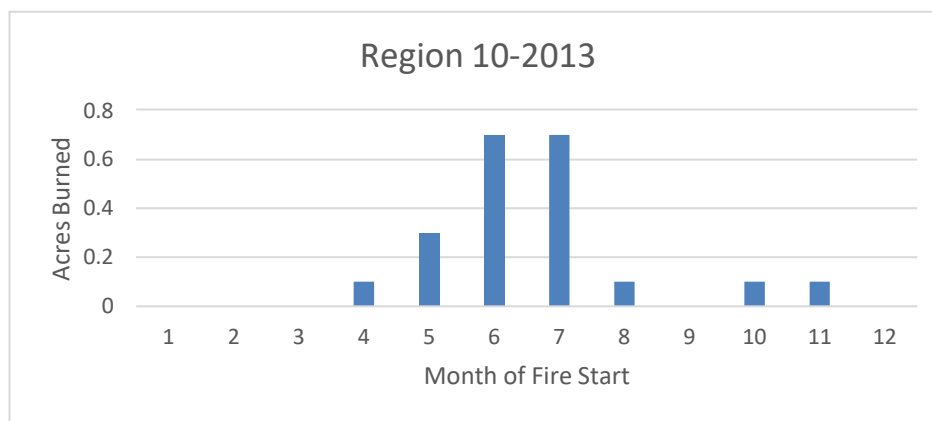
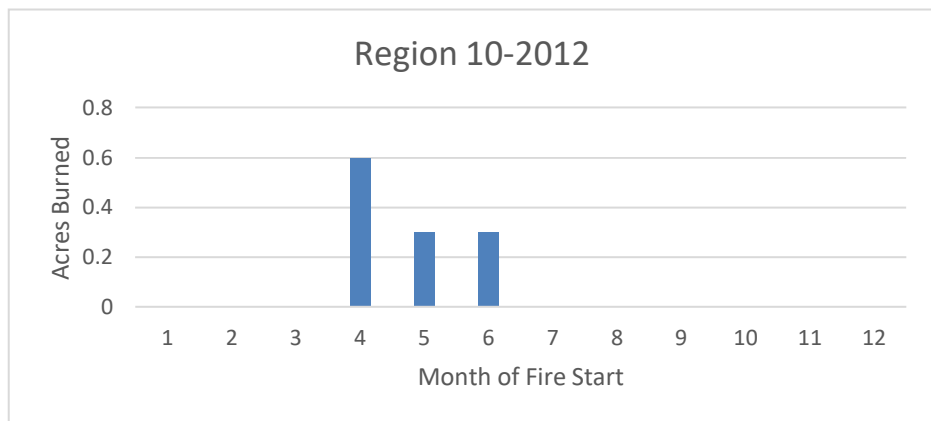
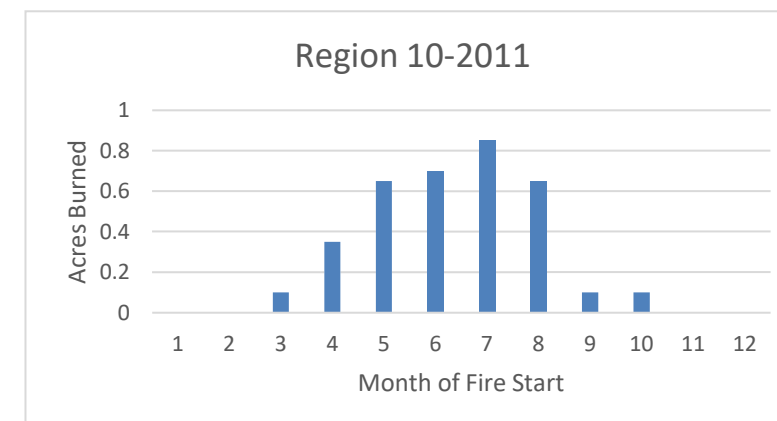
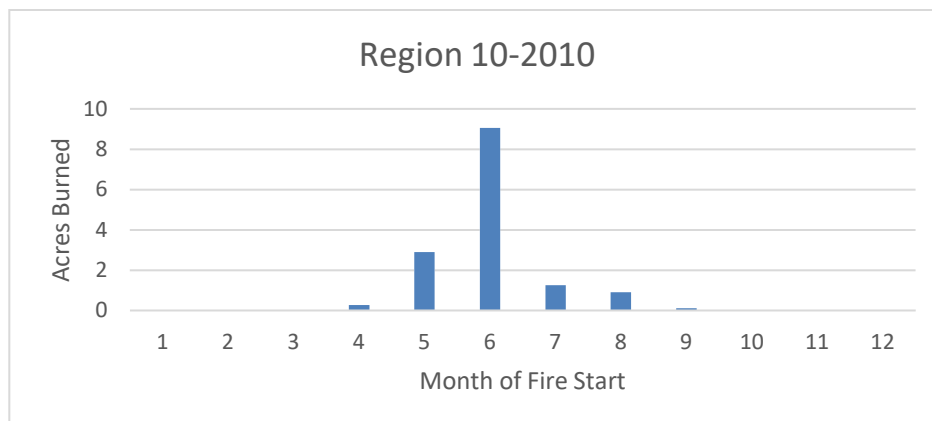
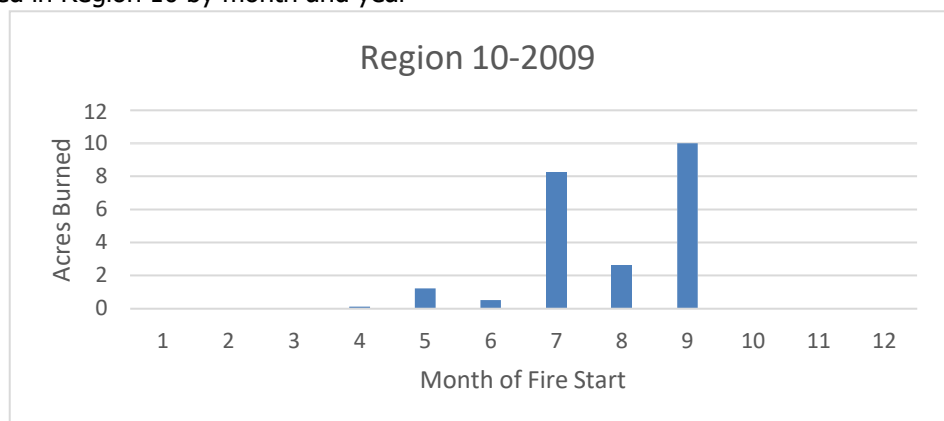


Acres burned in Region 10 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	1.4	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0
April	0	0	14.6	1.2	0.3	308.5	0.3	0	0.2	0.1	0.27	0.35	0.6	0.1	0.2	0	0	0.4	0.2	0.2
May	4.2	2.9	12.1	31.9	5.8	17.4	0.3	0.5	0.1	1.21	2.9	0.65	0.3	0.3	3.98	64	2.9	0.1	56.1	0.1
June	9	3264.9	0.4	0.6	3.55	24.35	4.1	2.3	0.1	0.51	9.05	0.7	0.3	0.7	0.2	150.4	0.1	0.3	0.2	167167.6
July	0.4	0	1	3.1	2.7	1.2	0.2	0.6	0.3	8.25	1.25	0.85	0	0.7	0.4	0.47	0.4	0.3	0.75	0.81
August	0.5	1.1	0.7	3.61	9.1	0.7	0.2	0.4	0.5	2.6	0.9	0.65	0	0.1	0.65	0	0.3	0.1	0.1	2.5
September	0.3	0	0	0.2	1.5	0	0.1	0.2	0.1	10	0.1	0.1	0	0	0.3	0	0.35	0	0	0.1
October	0	0	0	0	0.25	0	0	0.1	0	0	0	0.1	0	0.1	0	0	0.1	0	0	0
November	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0.1	0	0	0.1	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	14.4	3268.9	28.8	40.61	23.2	353.55	5.2	4.2	1.3	22.67	14.47	3.5	1.2	2.1	5.73	214.87	4.25	1.2	57.35	167171.3

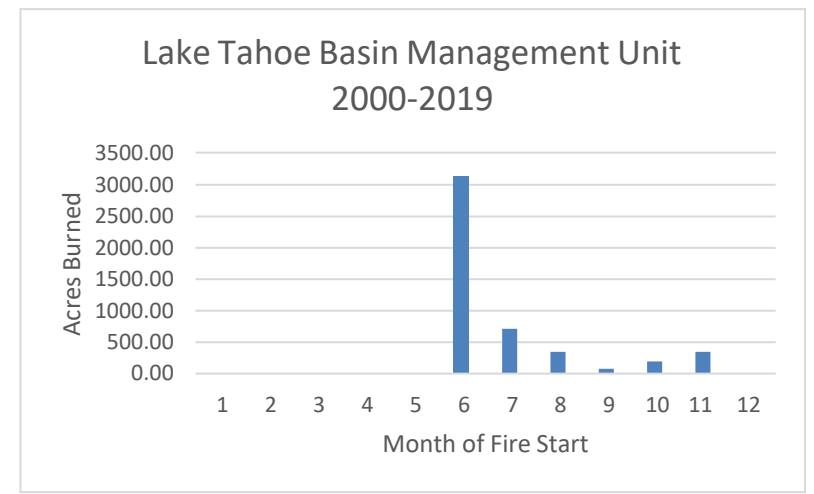
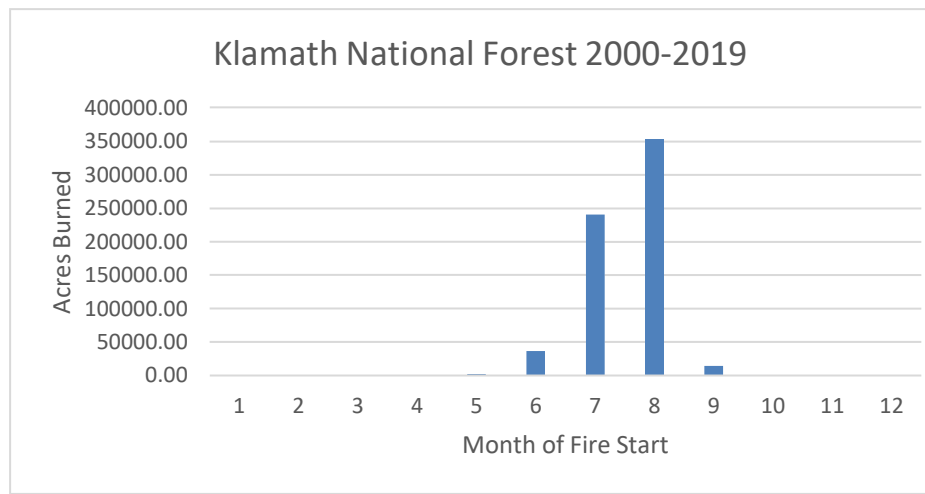
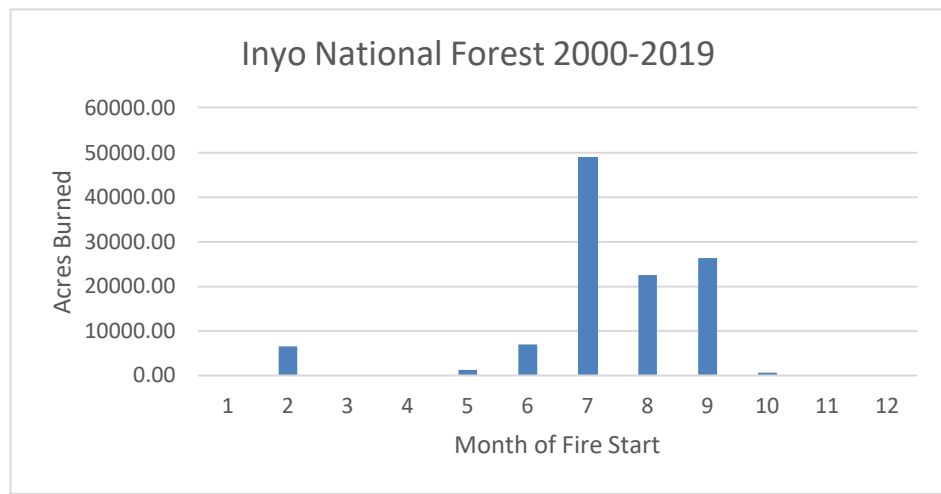
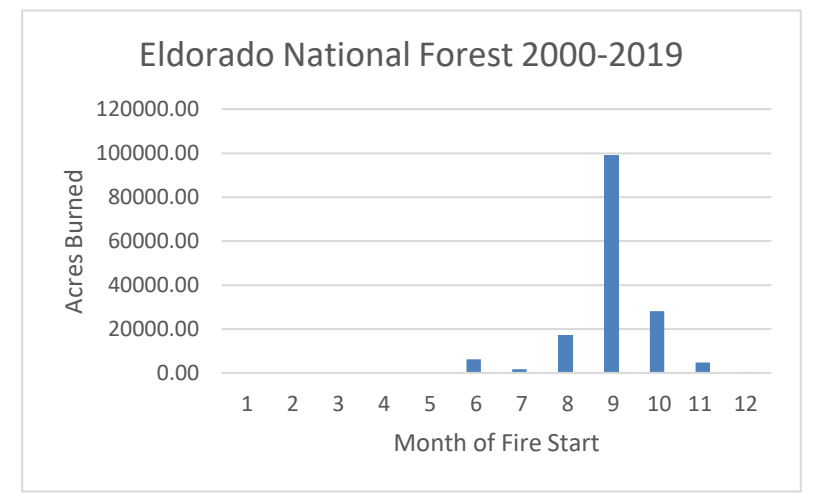
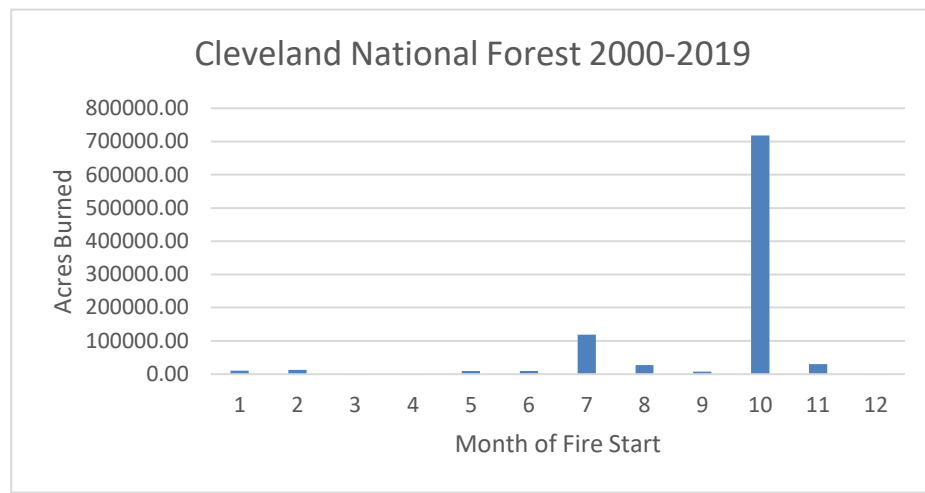
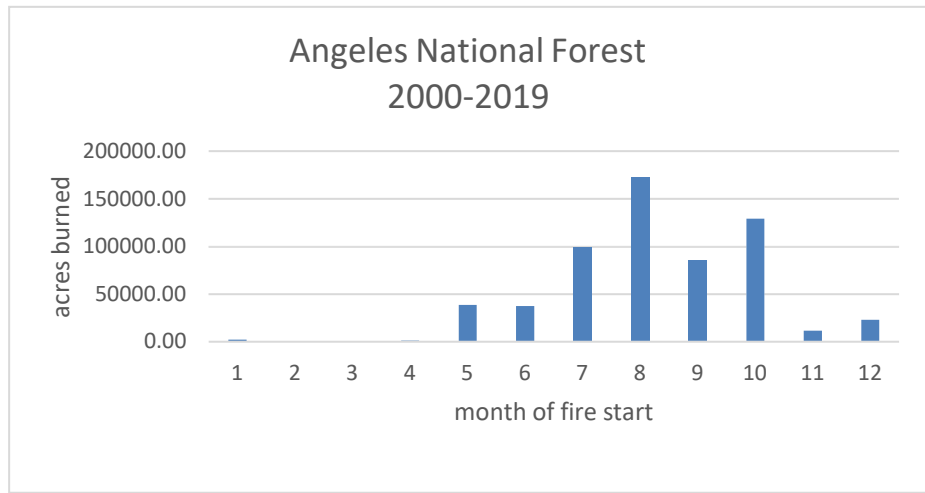


Acres burned in Region 10 by month and year

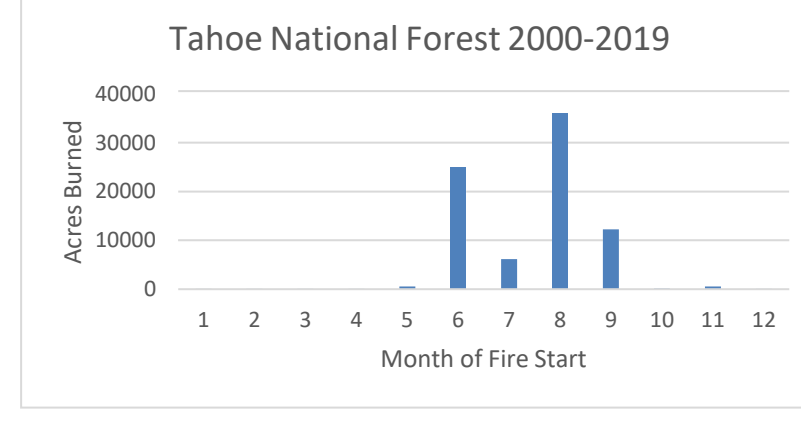
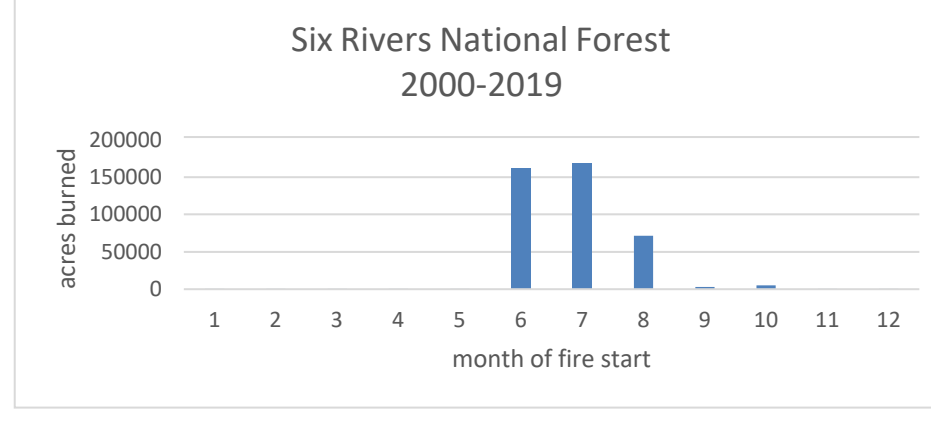
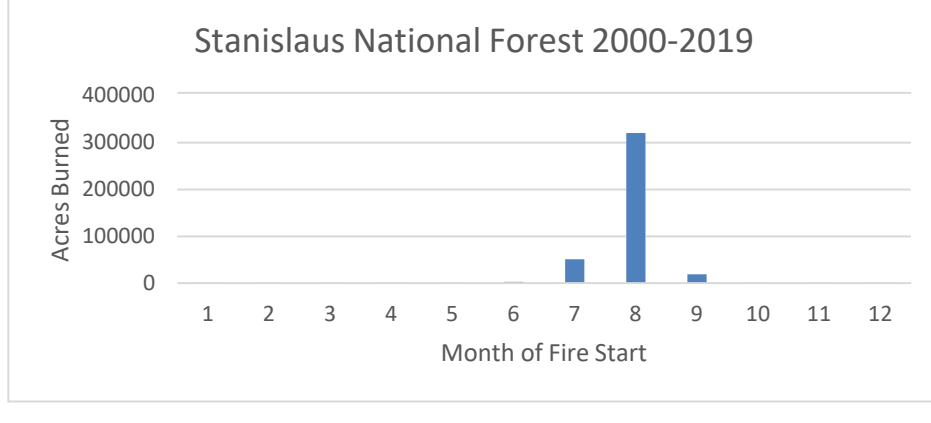
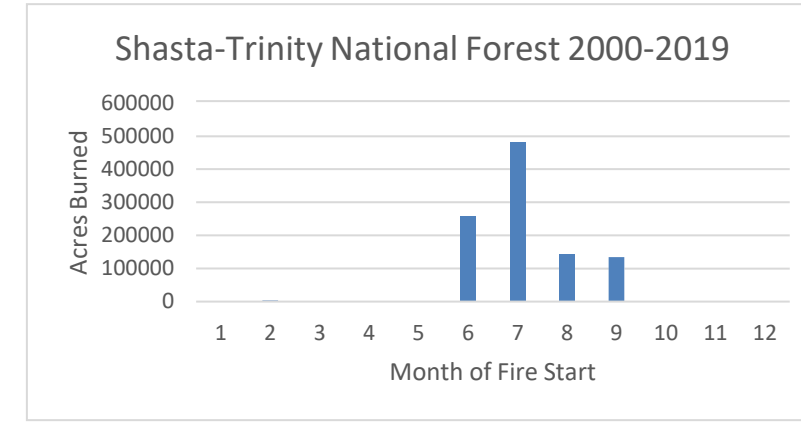
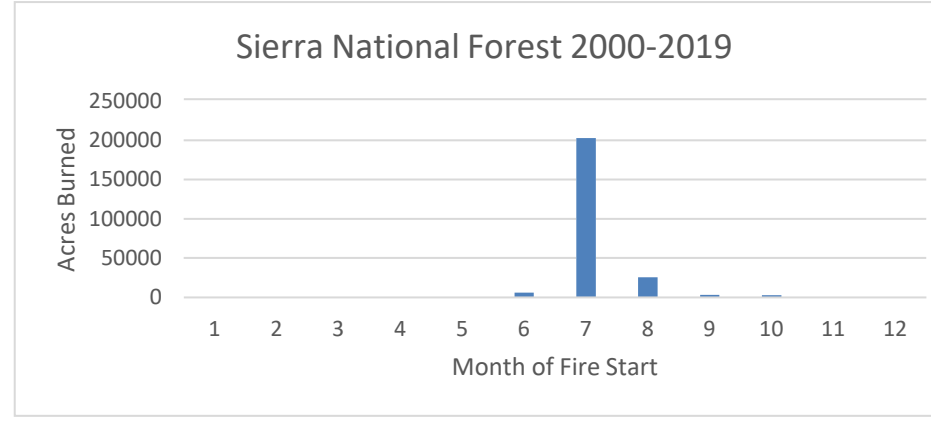
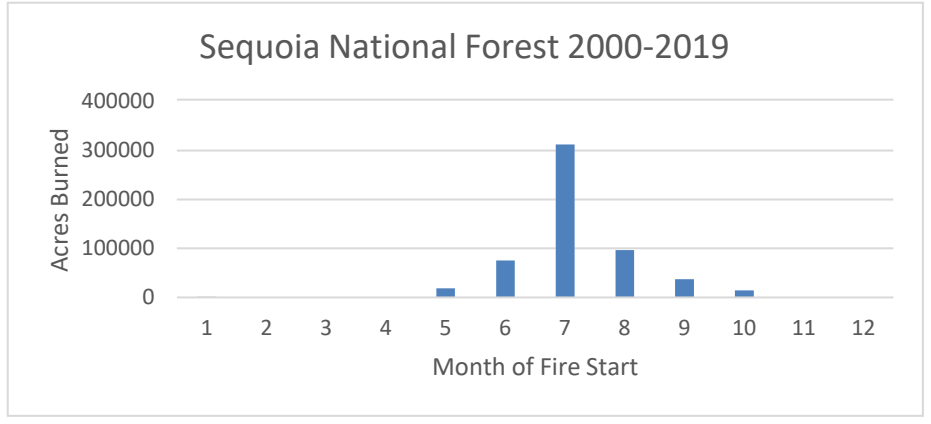
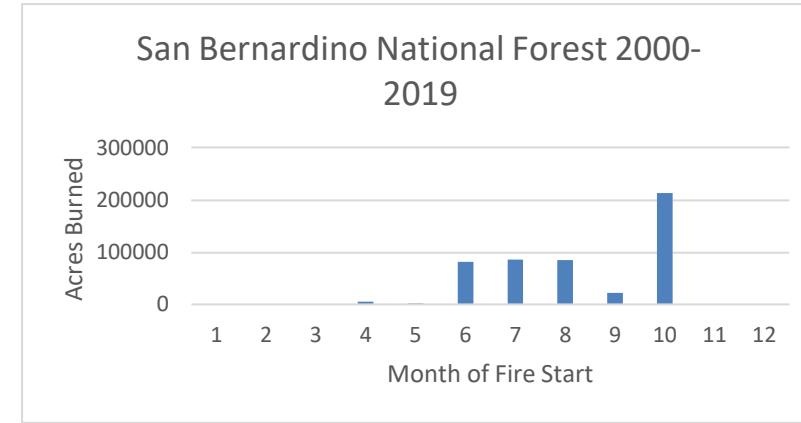
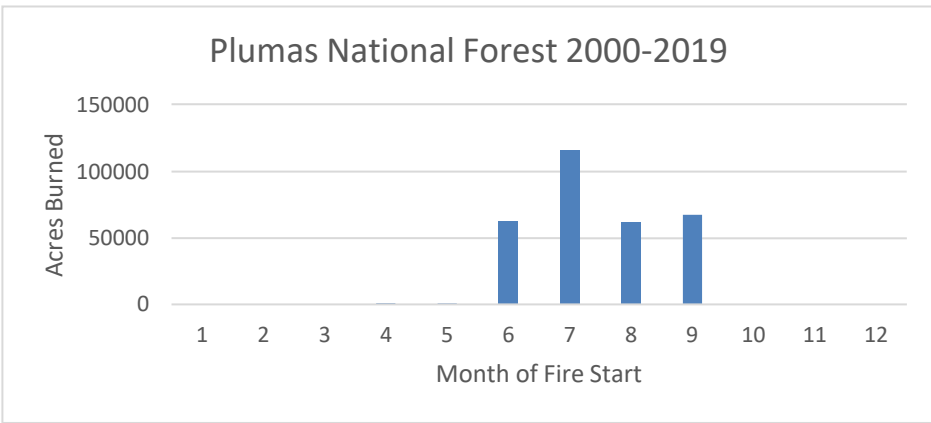
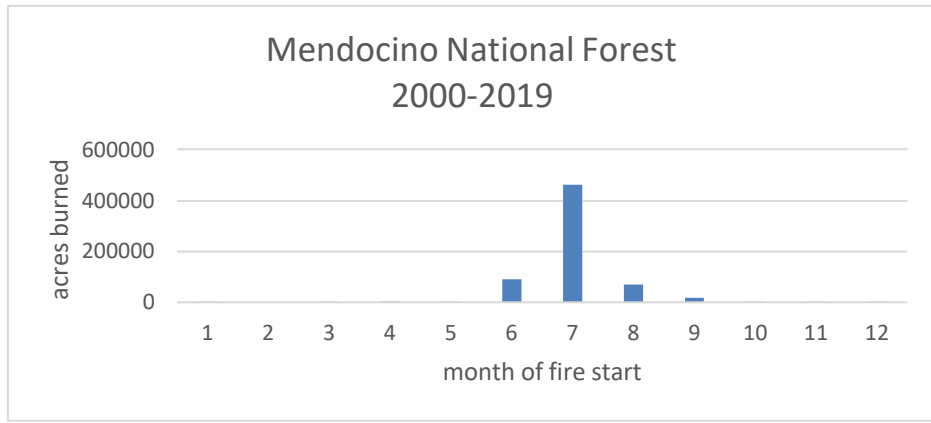
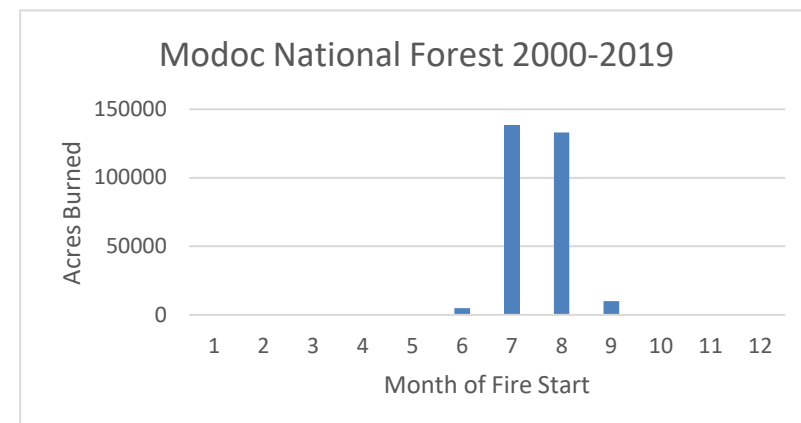
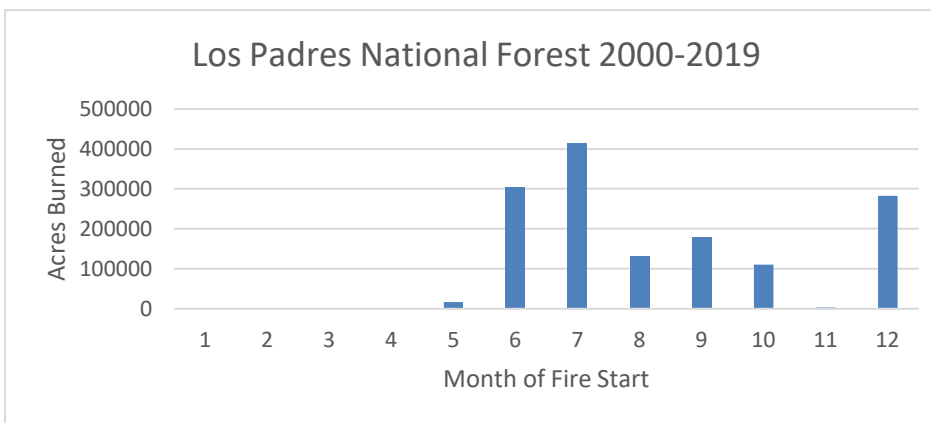
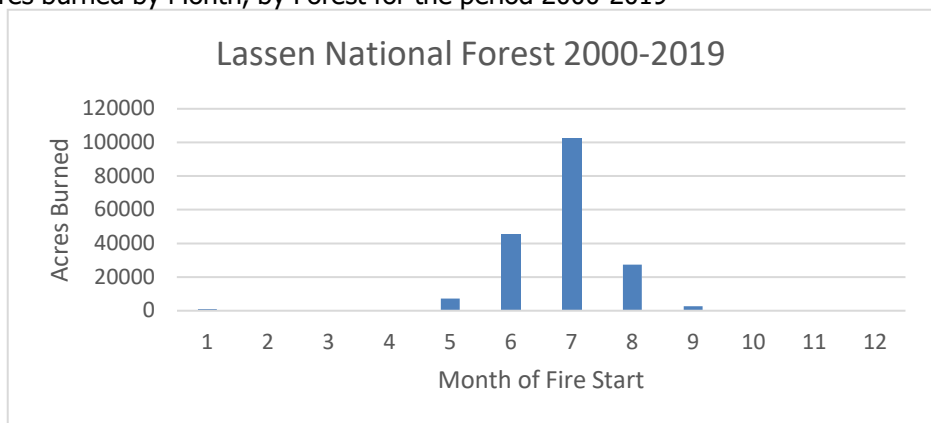


Region 5 Acres burned by Month, by Forest for the period 2000-2019

Forest	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
Angeles	2041.04	43.90	367.42	1082.70	38822.65	37457.59	99361.79	172846.08	85308.34	129263.13	11647.33	22991.74	601233.71
Cleveland	10577.59	13011.68	334.10	46.51	10074.61	9535.15	119799.32	28280.43	8042.71	718950.64	30704.04	27.87	949384.65
Eldorado	98.50	22.27	4.15	41.82	55.80	6132.03	1573.97	17030.09	98976.46	28104.99	4747.05	428.00	157215.13
Inyo	0.40	6533.70	11.98	52.66	1268.72	6987.20	49023.68	22555.47	26346.13	618.47	7.11	0.66	113406.18
Klamath	3.25	3.40	26.35	23.78	1555.85	36042.02	240762.24	353959.74	14261.17	65.00	3.15	14.23	646720.18
LTBMU	1.01	0.70	0.20	2.01	8.28	3142.05	711.95	348.38	75.62	191.12	346.31	0.50	4828.13
Lassen	865.65	5	1.91	22.2	7150.84	45217.82	102493.57	27378.21	2697.2	13.59	8.19	1.2	185855.38
Los Padres	34.2	22.68	29.18	415.15	16920.61	304539.09	414244.15	132271.88	179747.75	110657.77	3351.74	282383.52	1444617.72
Mendocino	8.1	0.1	1143.71	1878.2	1110.69	90216.07	463969.71	70022.62	16907.18	57.22	326.17	1.22	645640.99
Modoc	7.2	1.71	43.34	48.2	83.12	4794.7	138449.34	133116.92	10080.15	458.6	365.2	0.00	287448.48
Plumas	96.99	65.35	48.77	1007.74	681.66	62425	115886.57	62162.84	67455.05	32.91	218.43	4.86	310086.17
San Bernard	608.67	7.97	31.79	5570.7	1511.23	81883.7	85976.48	85884.28	21899.15	214673.87	516.78	211.9	498776.52
Sequoia	1435.61	3.61	5.2	20.07	18773.63	75819.34	312591.15	96765.42	37554.29	14293.69	13.01	304.05	557579.07
Shasta-Trinit	2.89	3027.56	65.59	558.52	897.92	259199.38	482994.28	143695.31	134124.54	248.31	510.63	4.53	1025329.46
Sierra	38.11	5.86	6.89	136.06	250.37	5958.63	202911.99	25830.34	3069.64	2796.28	390.57	6.31	241401.05
Six Rivers	2.8	0.5	3.2	4.95	27.99	162399	168610.44	71575.81	3001.73	4941.16	20.7	2	410590.28
Stanislaus	89.2	14.33	105.51	55.01	773.57	2985.61	51383.05	319926.8	19018.8	866.75	852.89	114.7	396186.22
Tahoe	43.45	8.36	9.55	68.29	533.03	24935.43	6144.48	36018.24	12266.23	115.67	548.1	8.1	80698.93

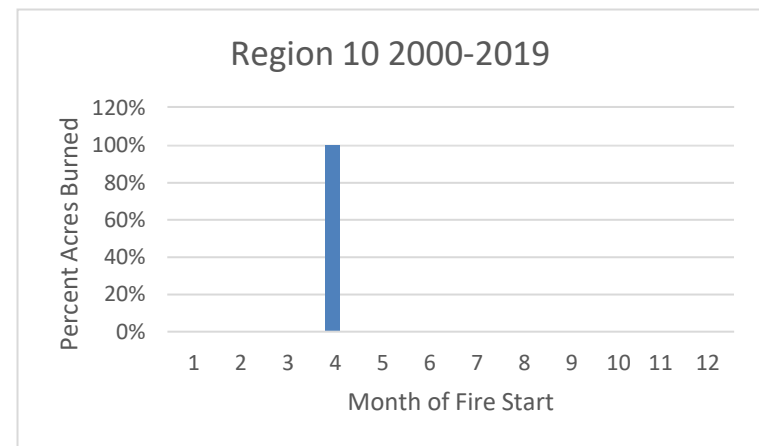
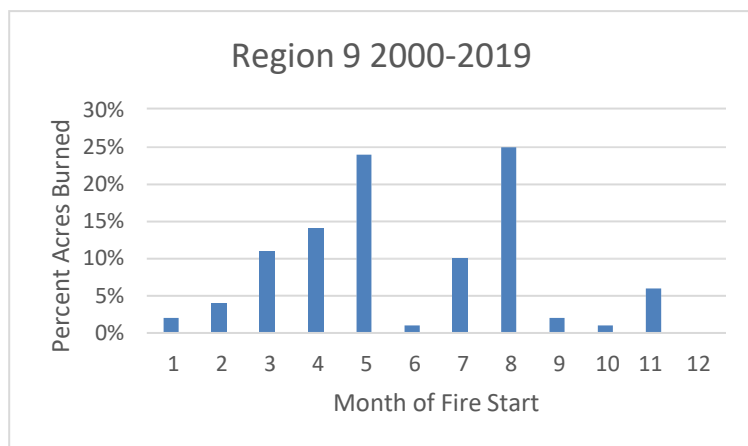
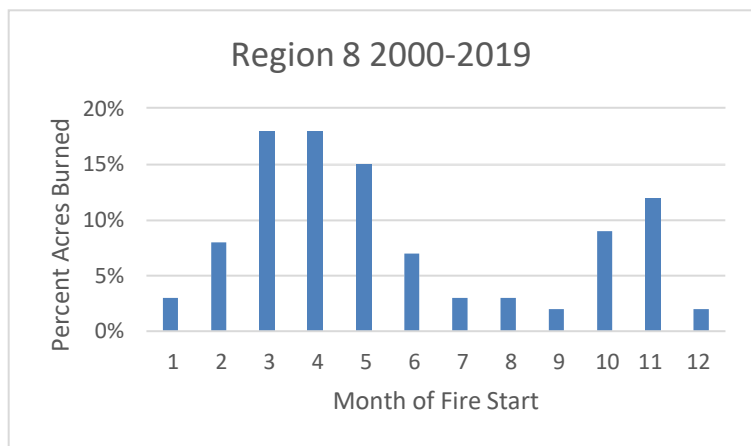
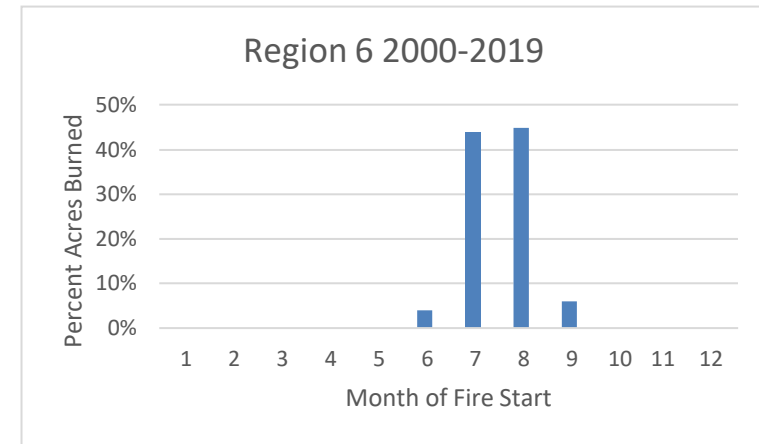
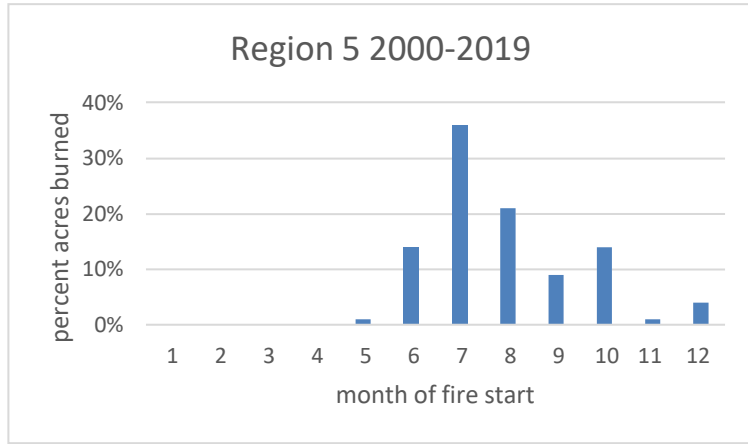
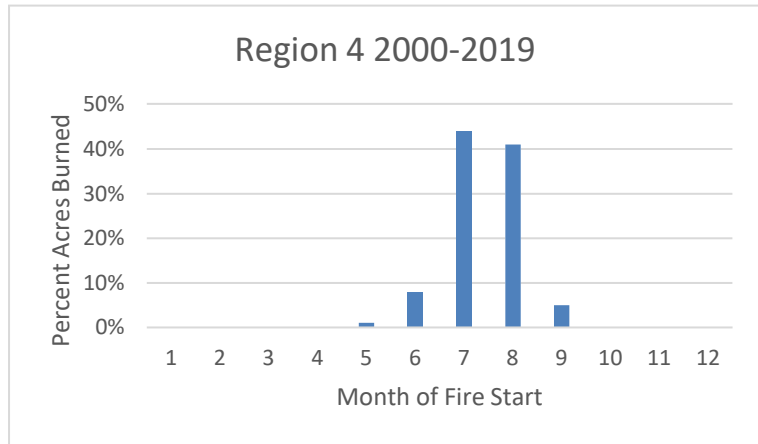
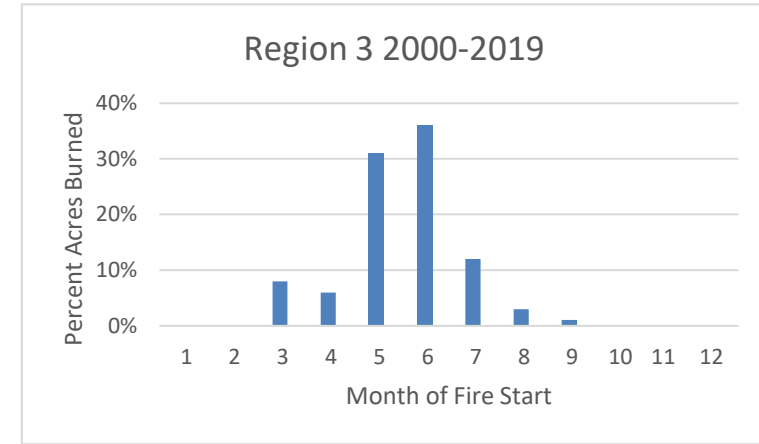
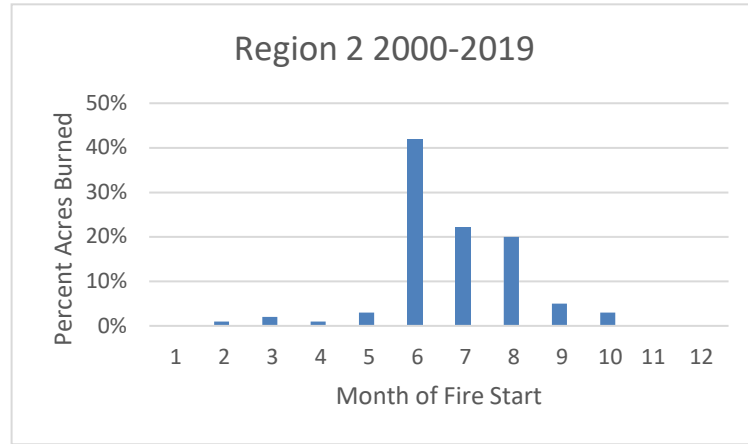
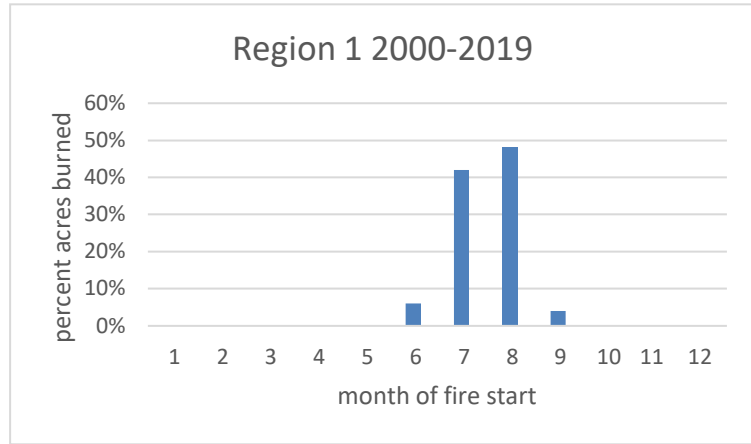


Region 5 Acres burned by Month, by Forest for the period 2000-2019



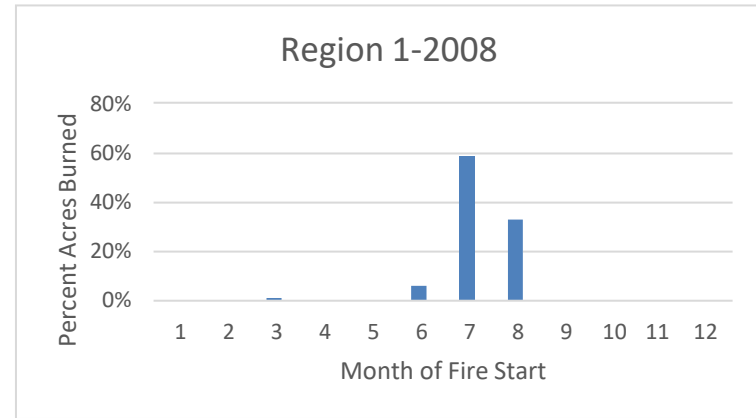
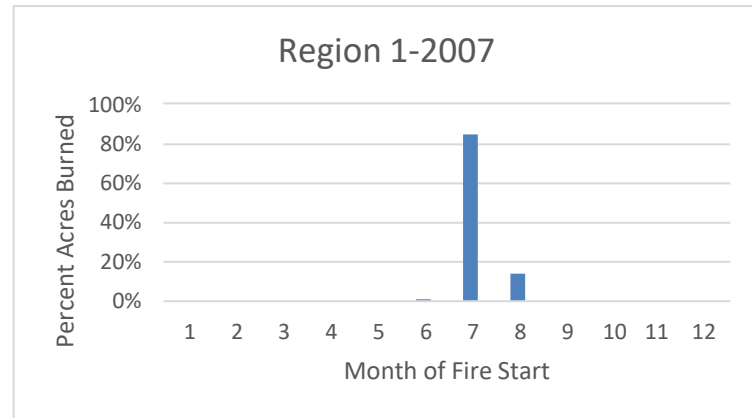
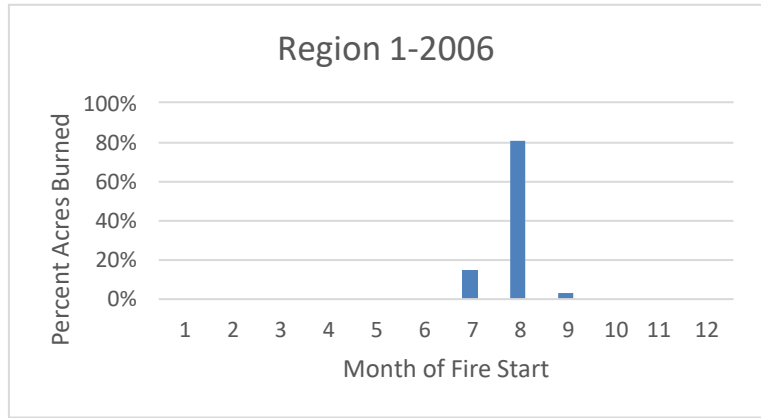
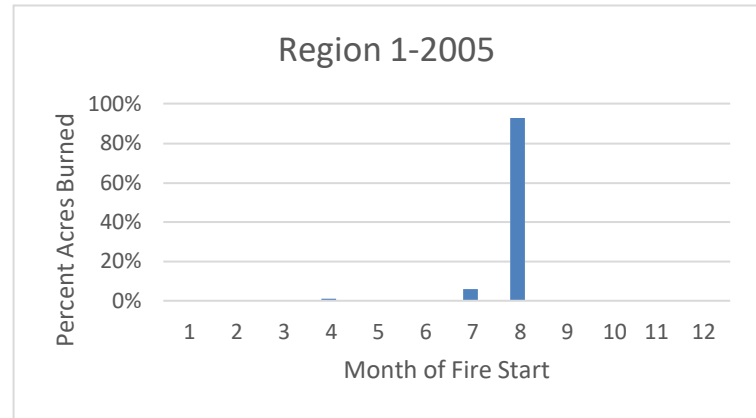
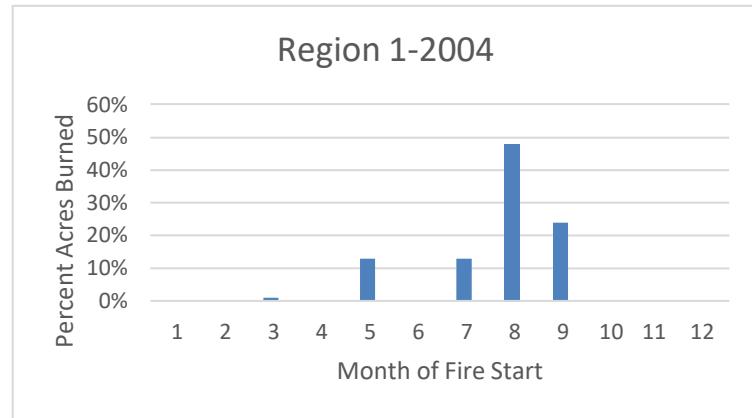
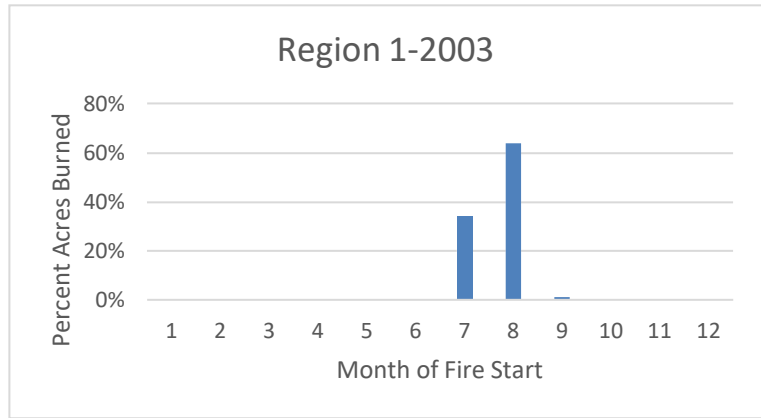
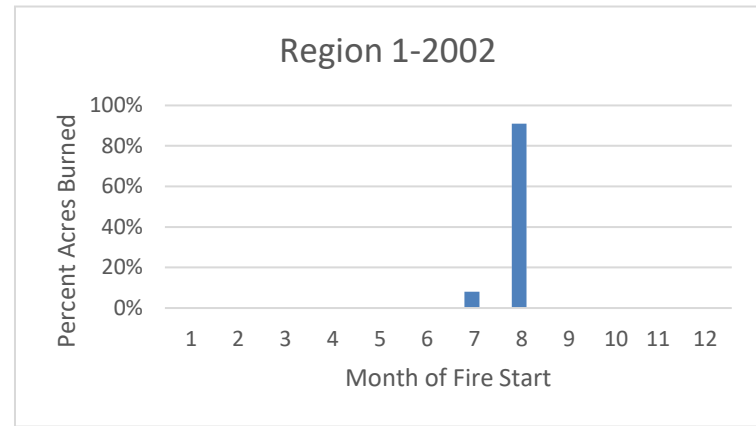
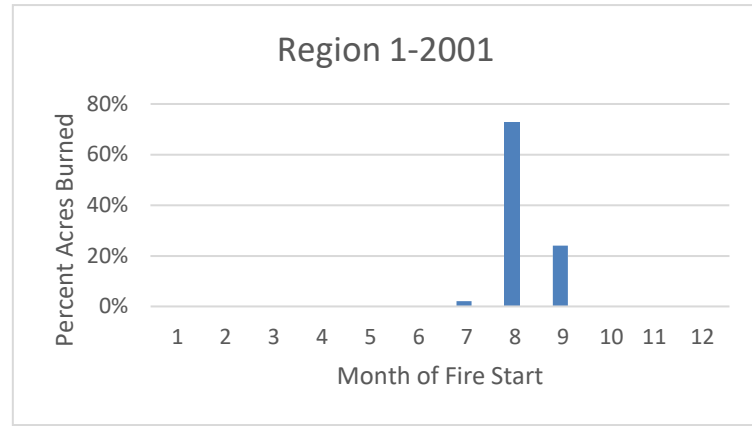
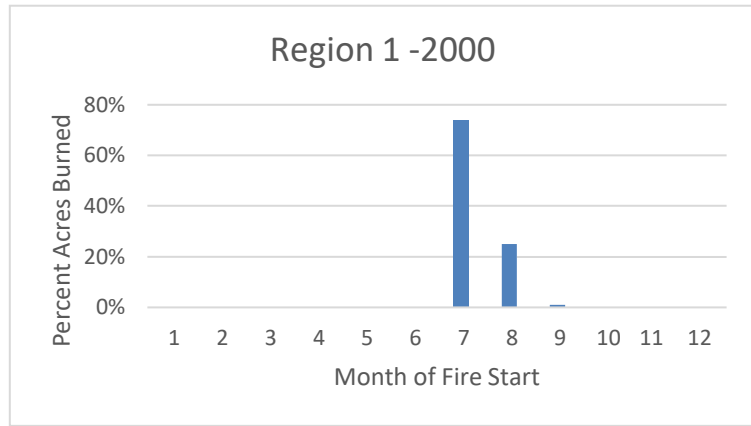
Percent Acres burned by Month, by Region for the period 2000-2019

Region	January	February	March	April	May	June	July	August	September	October	November	December
1	0%	0%	0%	0%	0%	6%	42%	48%	4%	0%	0%	0%
2	0%	1%	2%	1%	3%	42%	22%	20%	5%	3%	0%	0%
3	0%	0%	8%	6%	31%	36%	12%	3%	1%	0%	0%	0%
4	0%	0%	0%	0%	1%	8%	44%	41%	5%	0%	0%	0%
5	0%	0%	0%	0%	1%	14%	36%	21%	9%	14%	1%	4%
6	0%	0%	0%	0%	0%	4%	44%	45%	6%	0%	0%	0%
8	3%	8%	18%	18%	15%	7%	3%	3%	2%	9%	12%	2%
9	2%	4%	11%	14%	24%	1%	10%	25%	2%	1%	6%	0%
10	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%

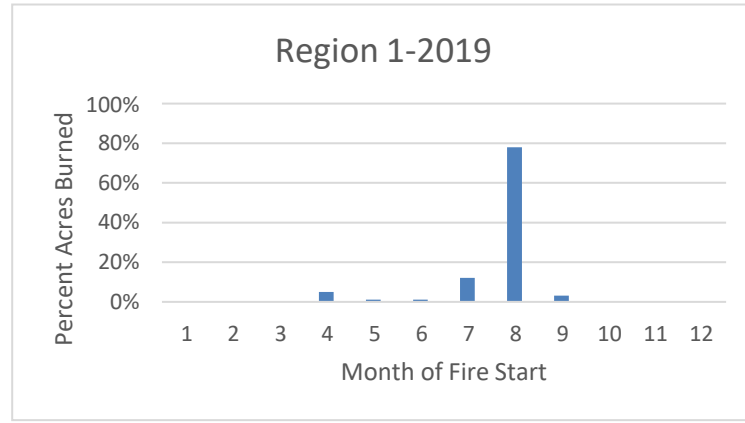
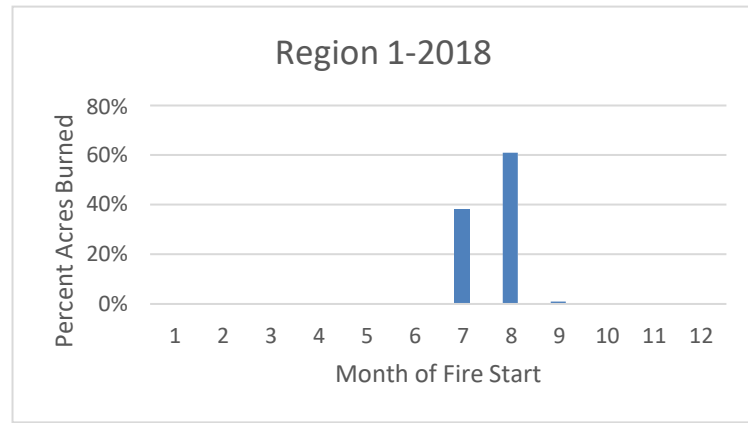
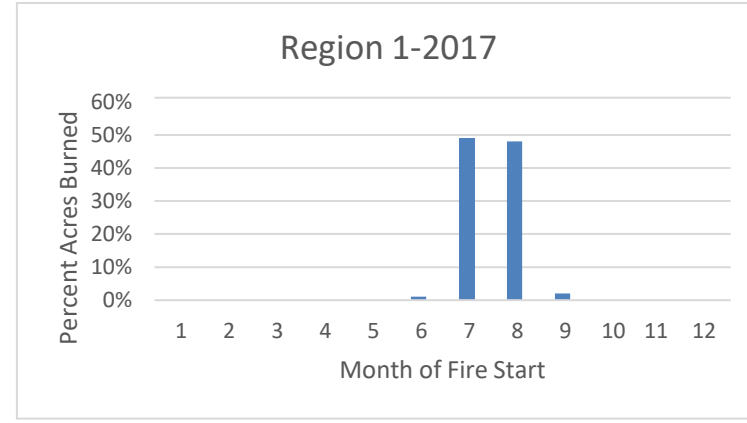
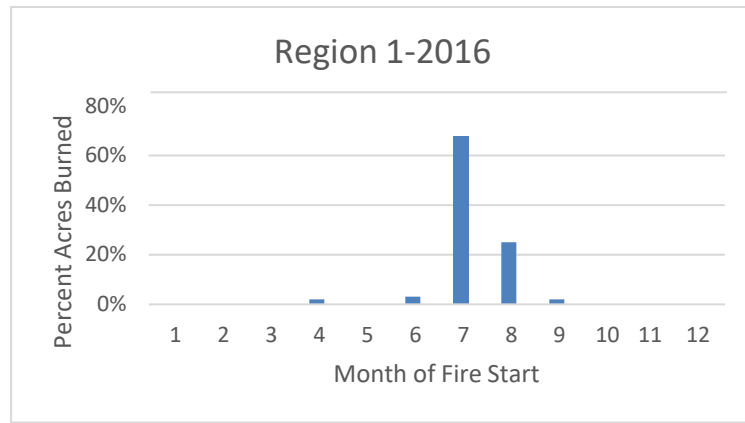
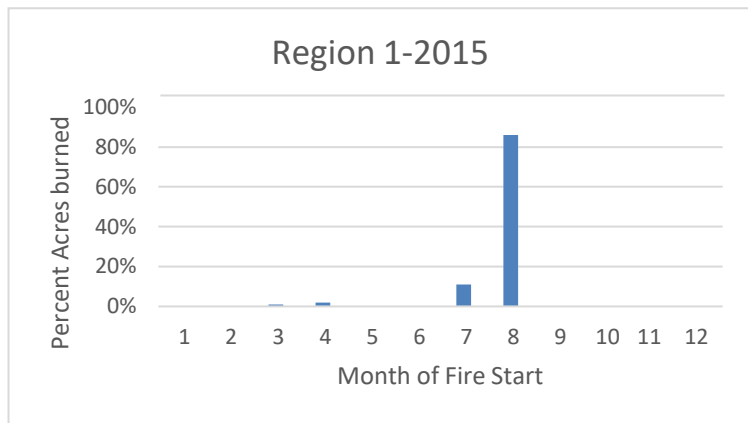
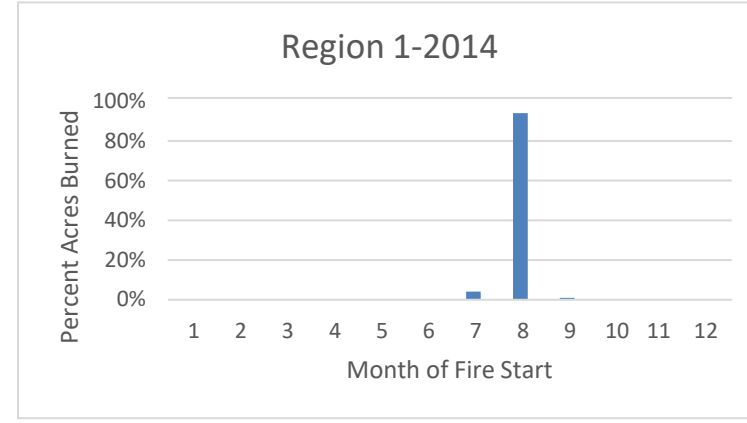
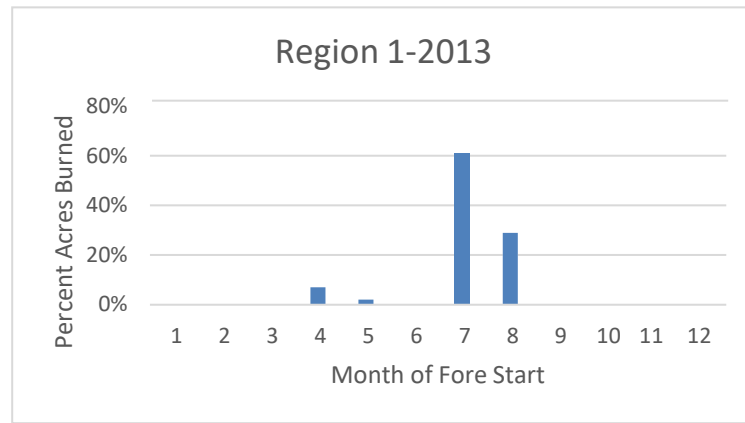
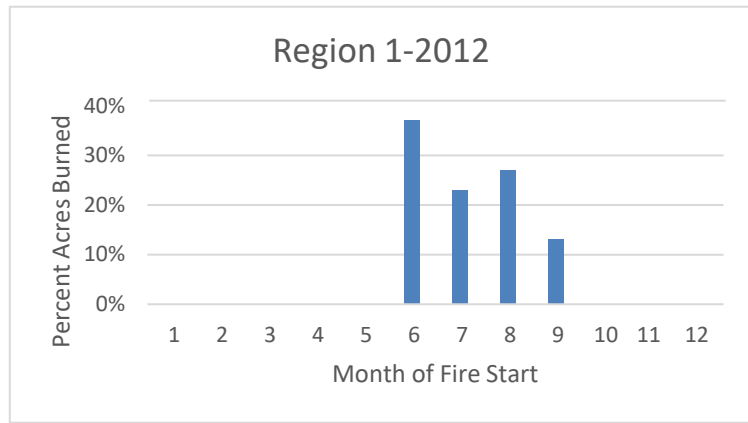
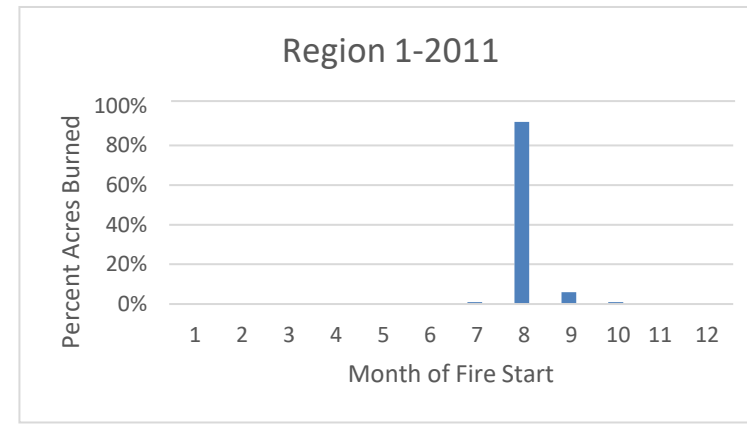
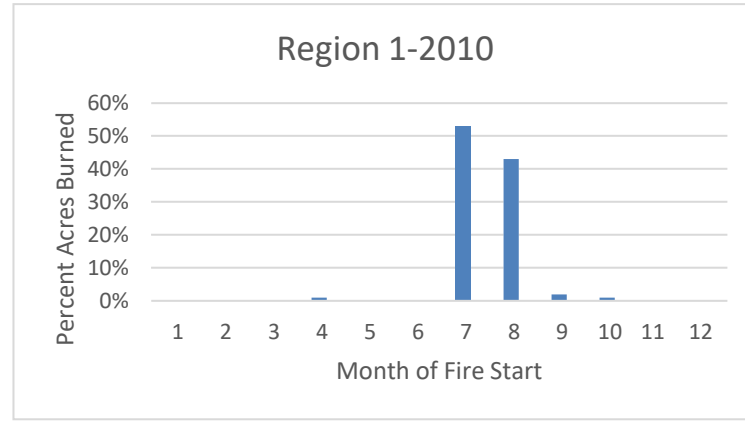
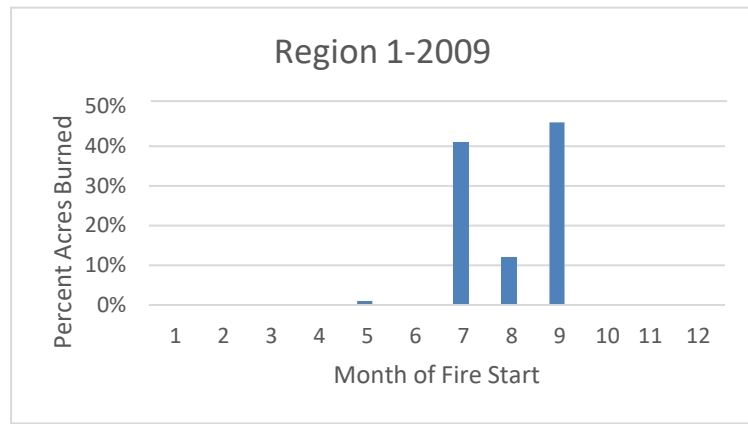


Percent Acres burned in Region 1 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
February	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
March	0%	0%	0%	0%	1%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
April	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%	0%	0%	7%	0%	2%	2%	0%	0%	5%
May	0%	0%	0%	0%	13%	0%	0%	0%	0%	1%	0%	0%	0%	2%	0%	0%	0%	0%	0%	1%
June	0%	0%	0%	0%	0%	0%	0%	1%	6%	0%	0%	0%	37%	0%	0%	0%	3%	1%	0%	1%
July	74%	2%	8%	34%	13%	6%	15%	85%	59%	41%	53%	1%	23%	61%	4%	11%	68%	49%	38%	12%
August	25%	73%	91%	64%	48%	93%	81%	14%	33%	12%	43%	92%	27%	29%	94%	86%	25%	48%	61%	78%
September	1%	24%	0%	1%	24%	0%	3%	0%	0%	46%	2%	6%	13%	0%	1%	0%	2%	2%	1%	3%
October	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
November	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
December	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

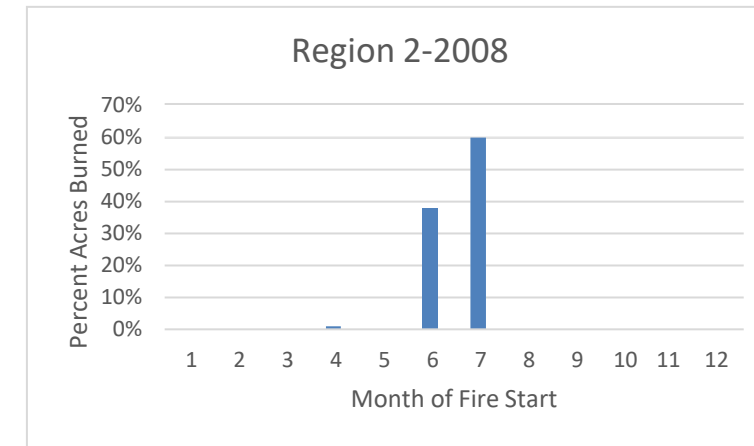
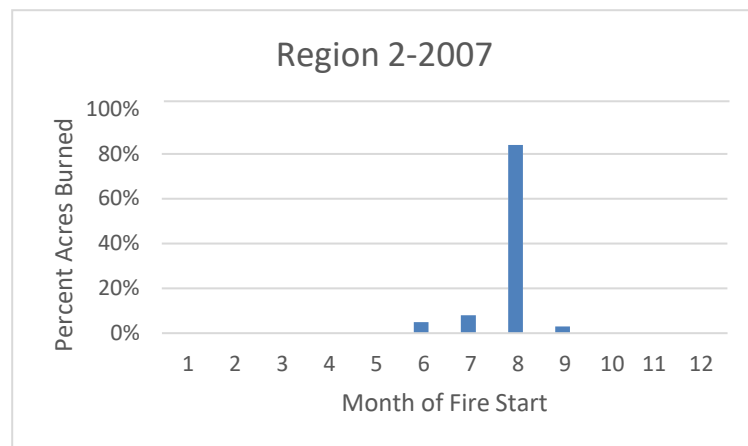
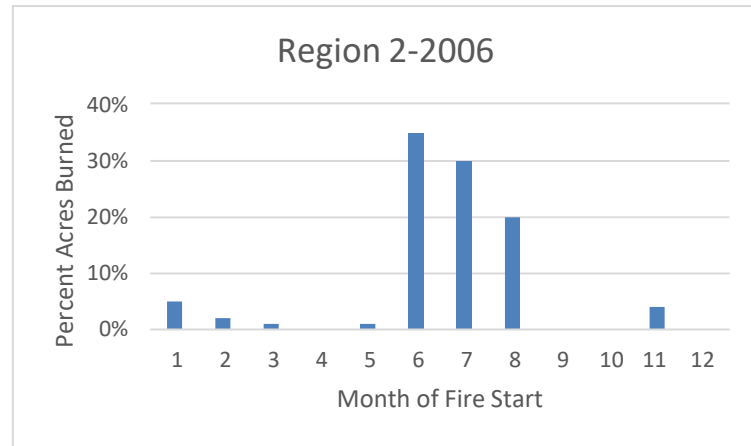
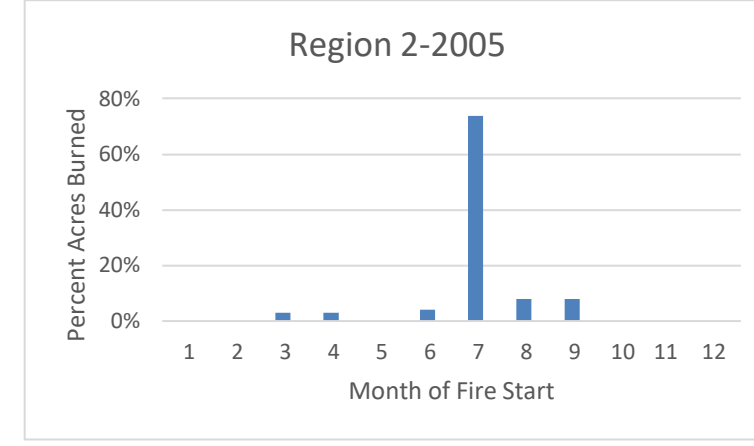
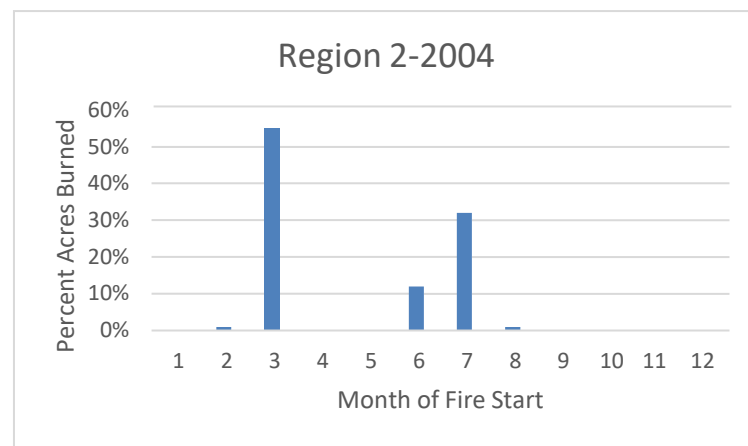
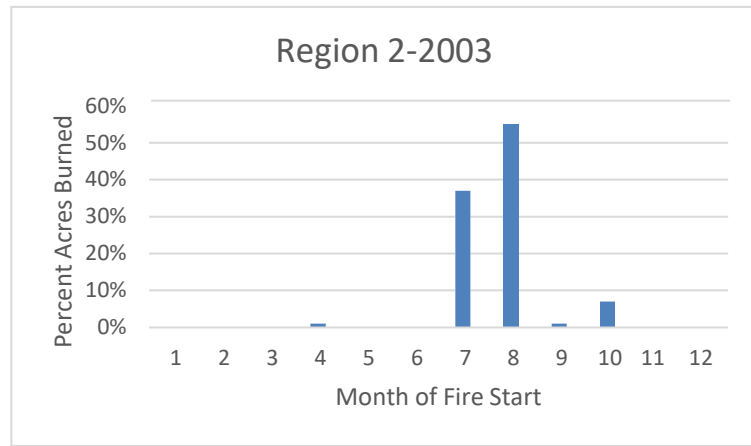
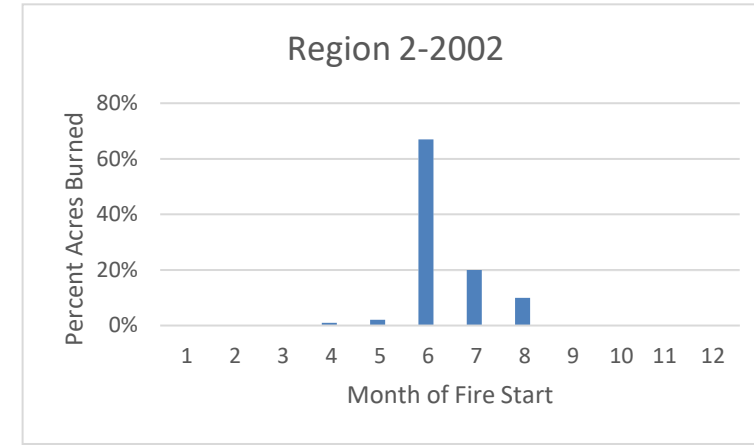
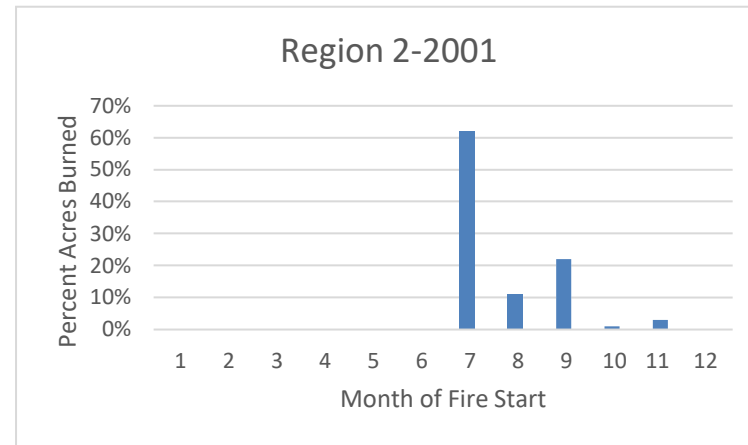
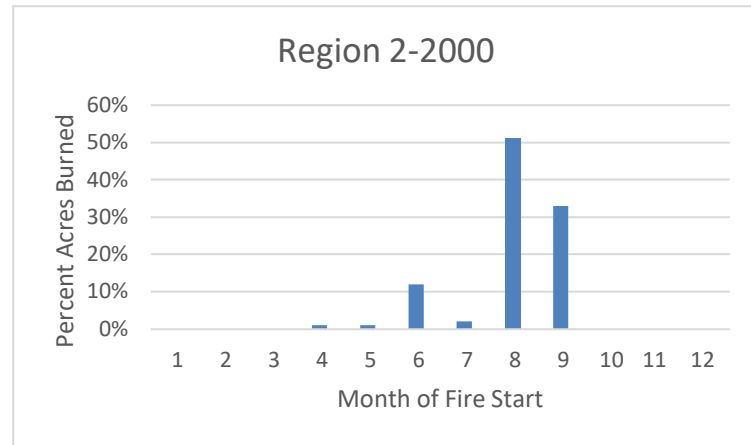


Percent Acres burned in Region 1 by month and year

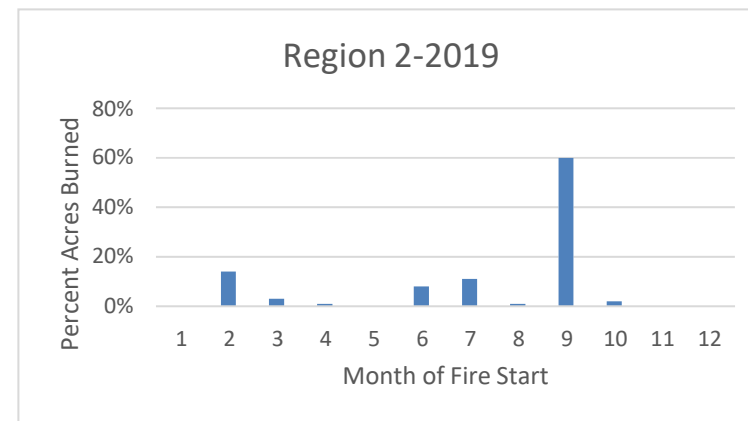
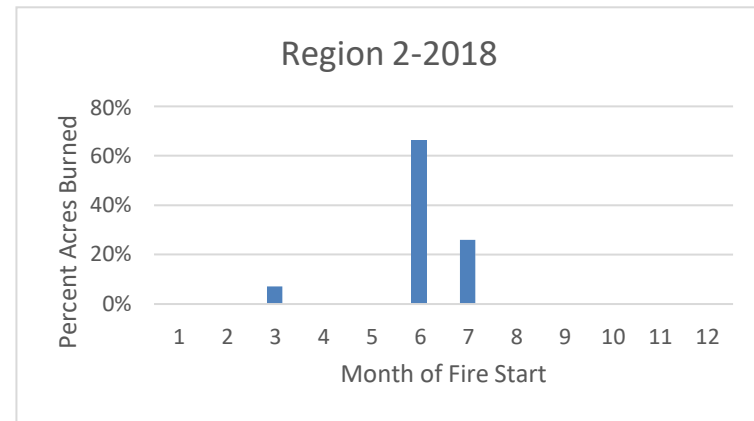
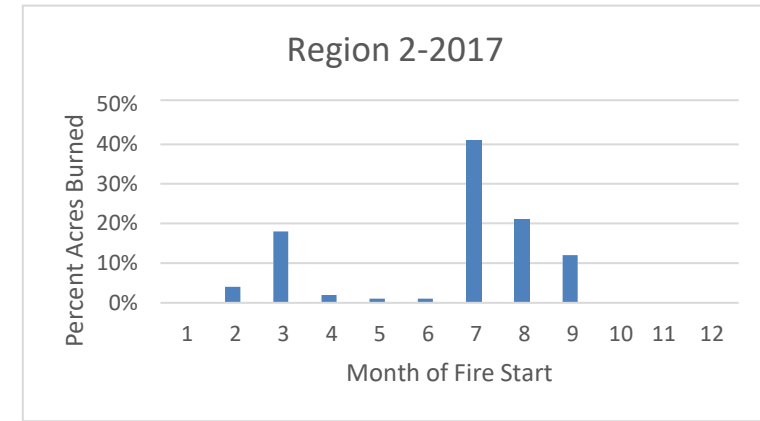
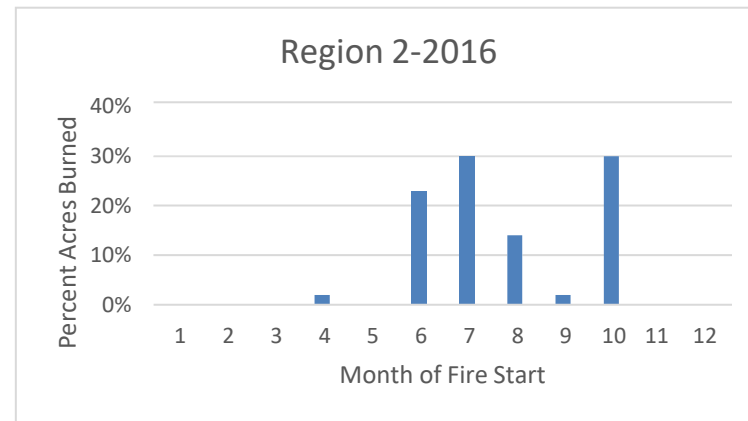
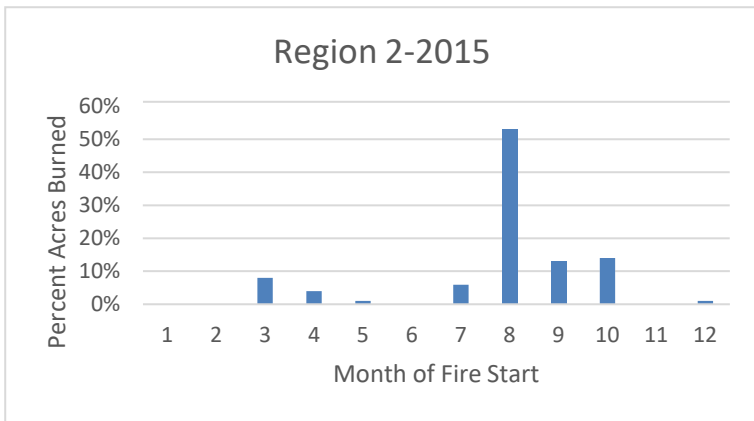
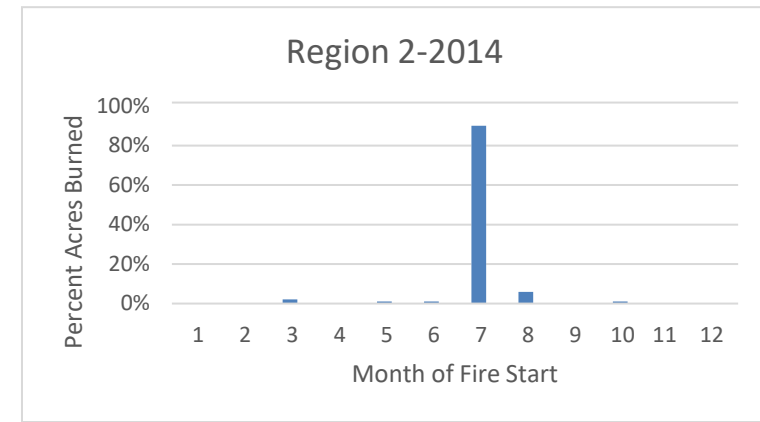
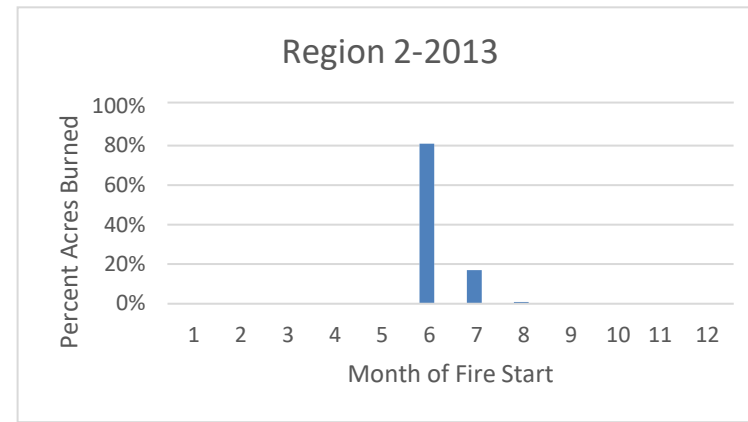
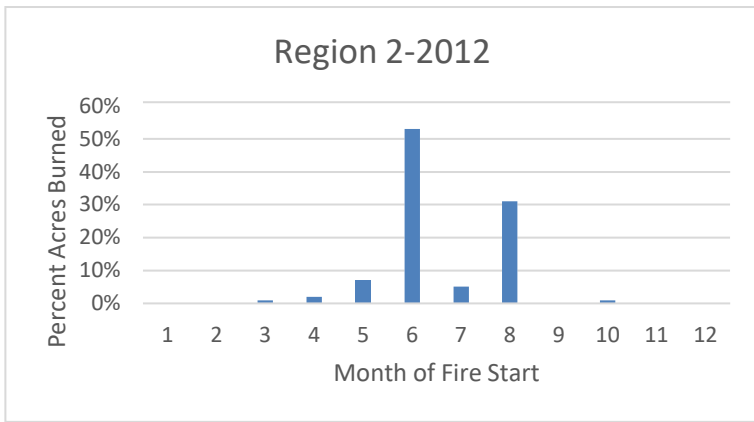
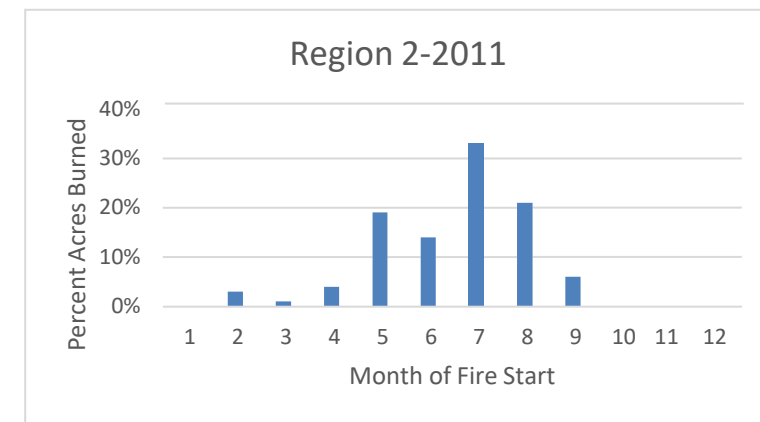
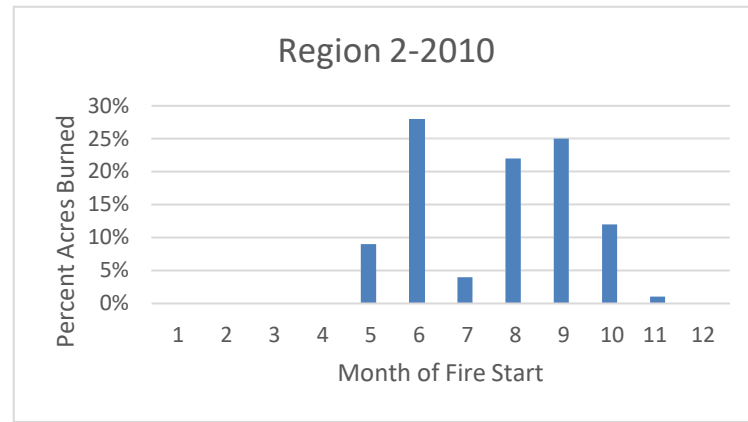
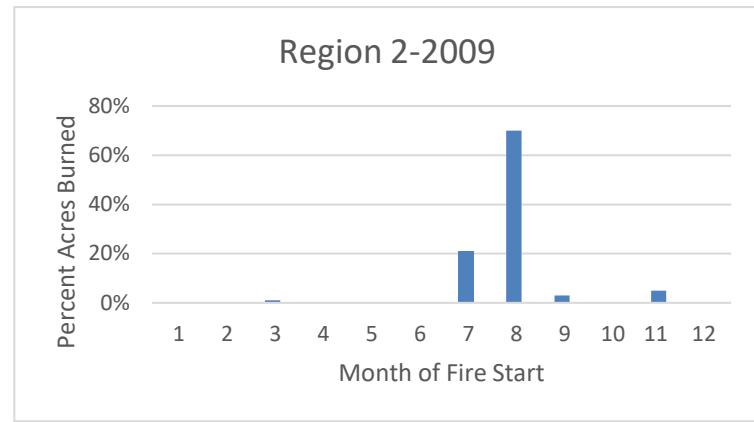


Percent Acres burned in Region 2 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0%	0%	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
February	0%	0%	0%	0%	1%	0%	2%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	4%	0%	14%
March	0%	0%	0%	0%	55%	3%	1%	0%	0%	1%	0%	1%	1%	0%	2%	8%	0%	18%	7%	3%
April	1%	0%	1%	1%	0%	3%	0%	0%	1%	0%	0%	4%	2%	0%	0%	4%	2%	2%	0%	1%
May	1%	0%	2%	0%	0%	0%	1%	0%	0%	0%	9%	19%	7%	0%	1%	1%	0%	1%	0%	0%
June	12%	0%	67%	0%	12%	4%	35%	5%	38%	0%	28%	14%	53%	81%	1%	0%	23%	1%	66%	8%
July	2%	62%	20%	37%	32%	74%	30%	8%	60%	21%	4%	33%	5%	17%	90%	6%	30%	41%	26%	11%
August	51%	11%	10%	55%	1%	8%	20%	84%	0%	70%	22%	21%	31%	1%	6%	53%	14%	21%	0%	1%
September	33%	22%	0%	1%	0%	8%	0%	3%	0%	3%	25%	6%	0%	0%	0%	13%	2%	12%	0%	60%
October	0%	1%	0%	7%	0%	0%	0%	0%	0%	0%	12%	0%	1%	0%	1%	14%	30%	0%	0%	2%
November	0%	3%	0%	0%	0%	0%	4%	0%	0%	5%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
December	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%

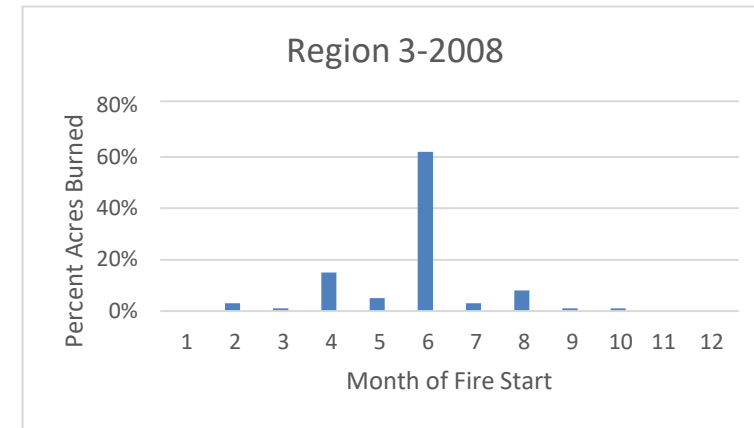
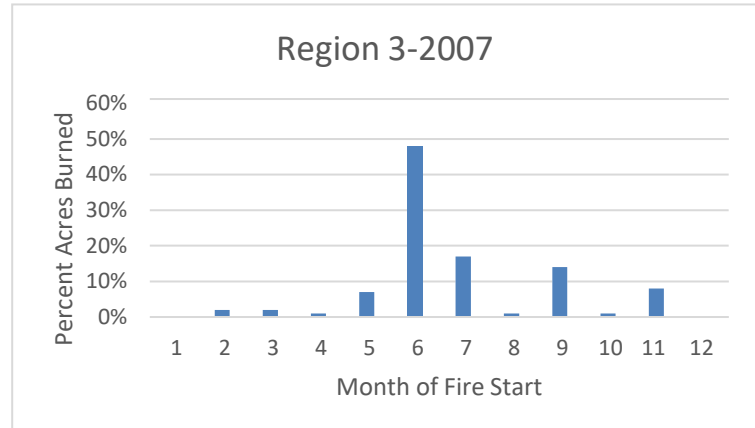
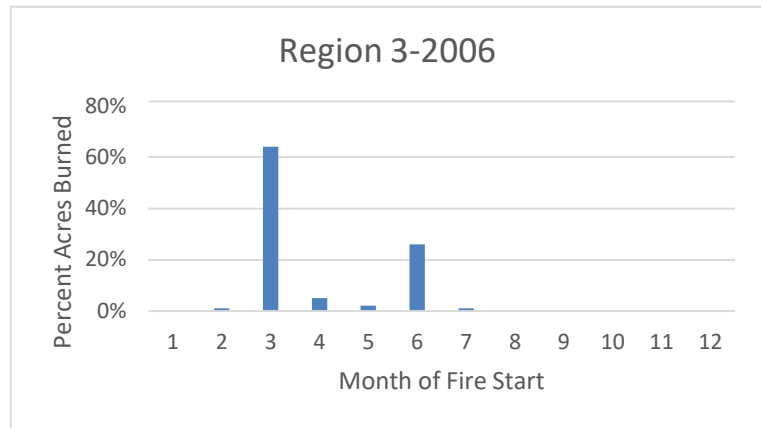
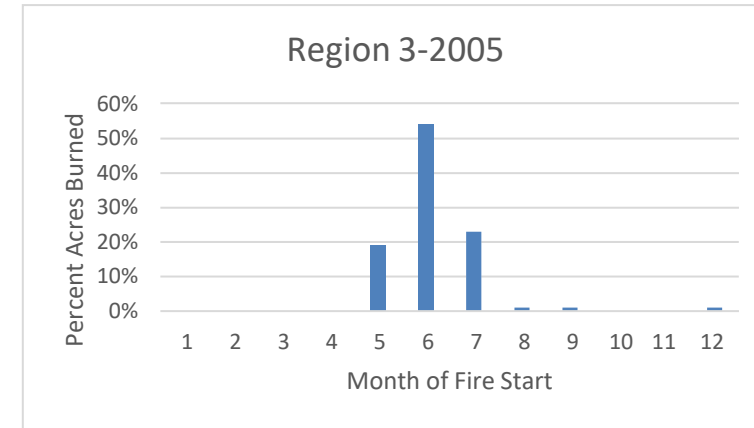
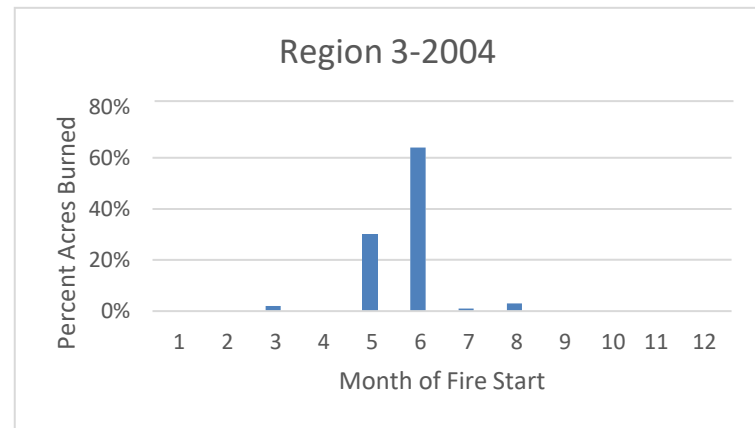
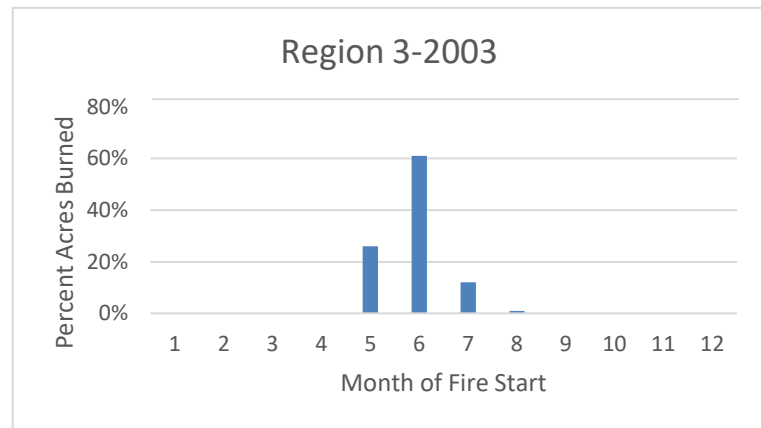
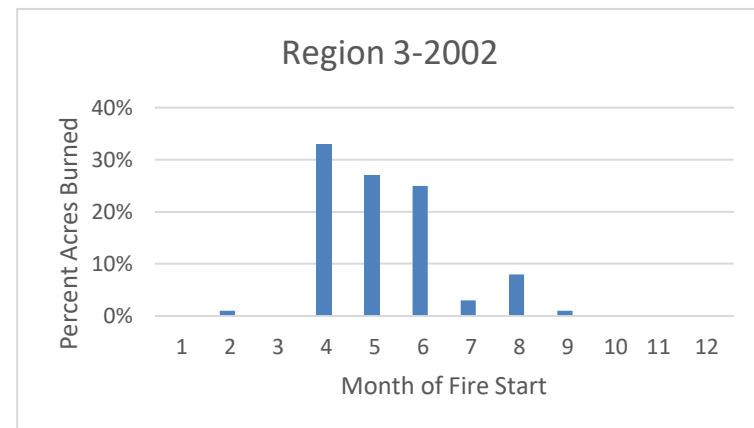
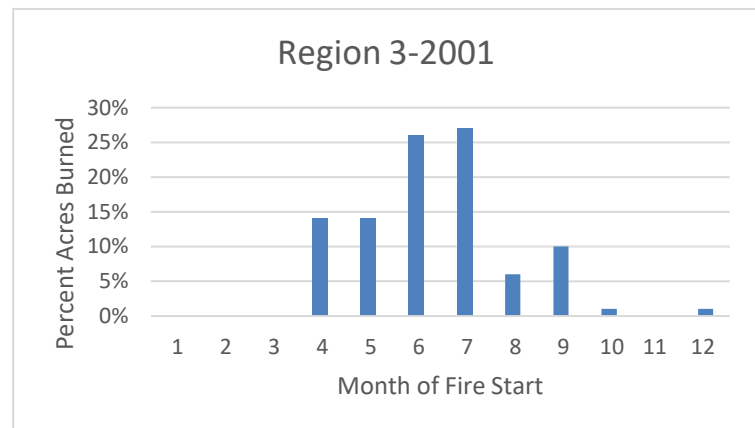
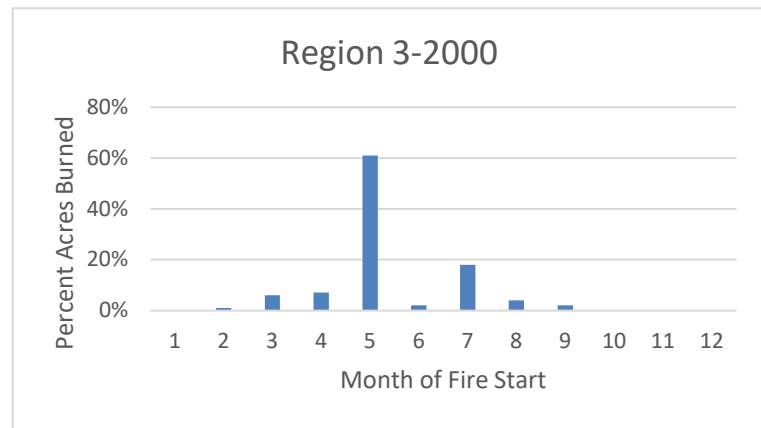


Percent Acres burned in Region 2 by month and year

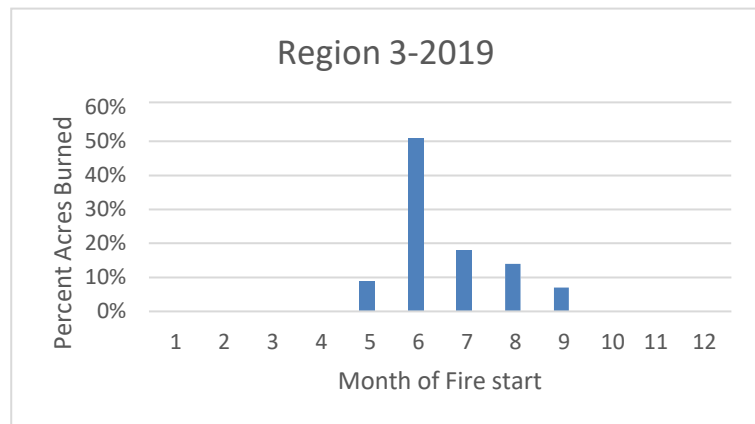
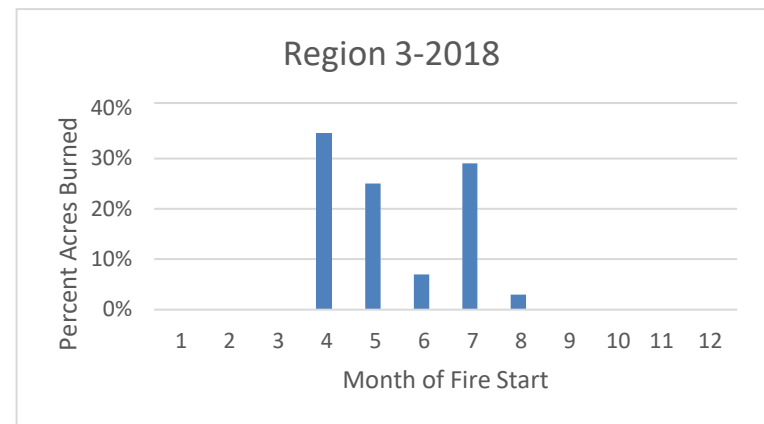
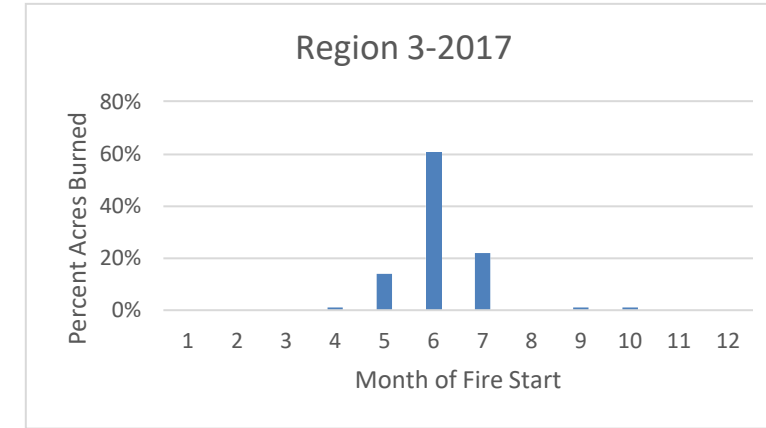
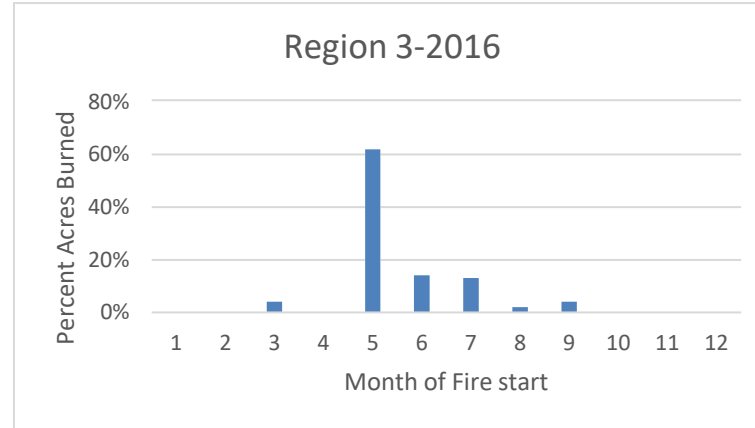
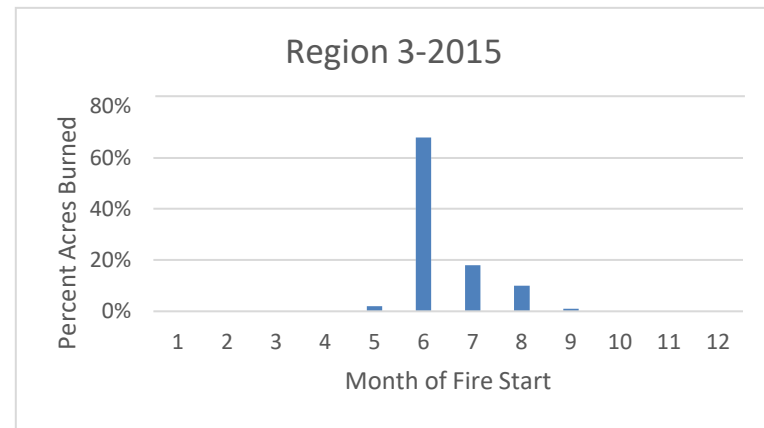
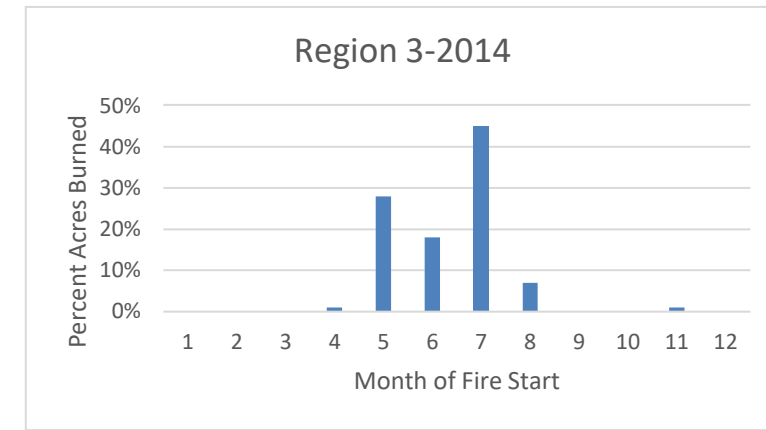
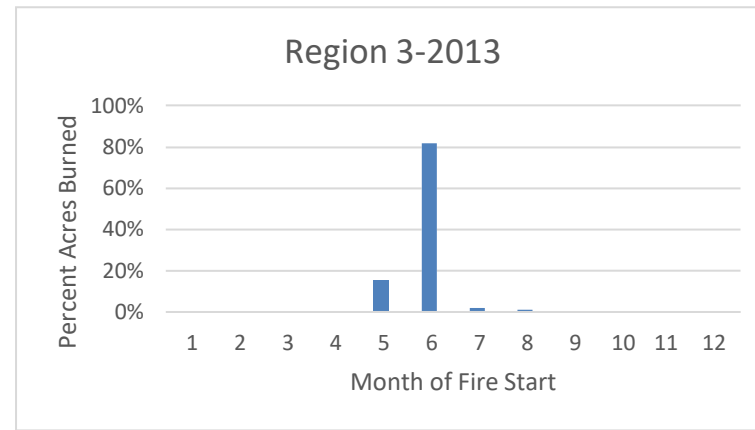
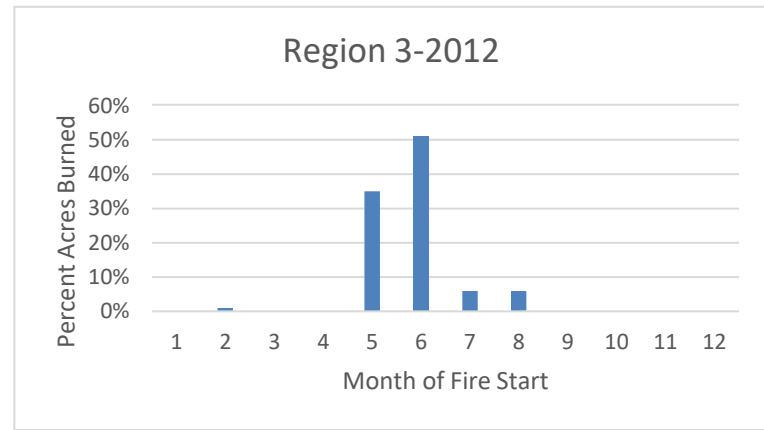
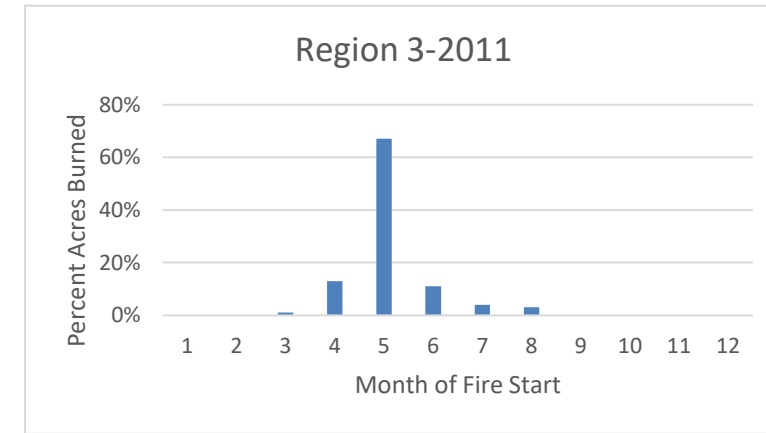
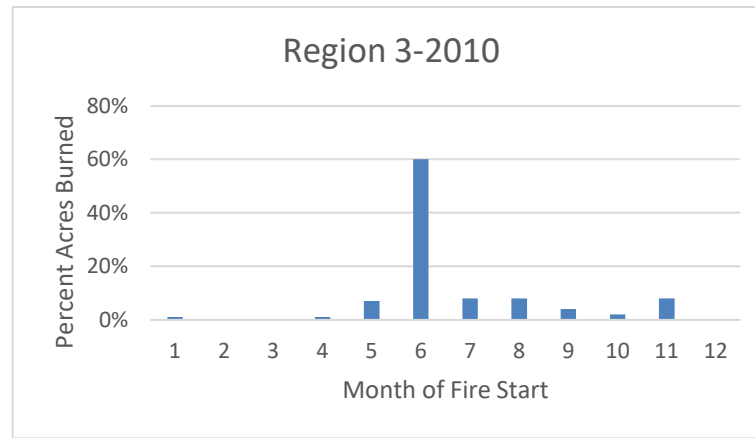
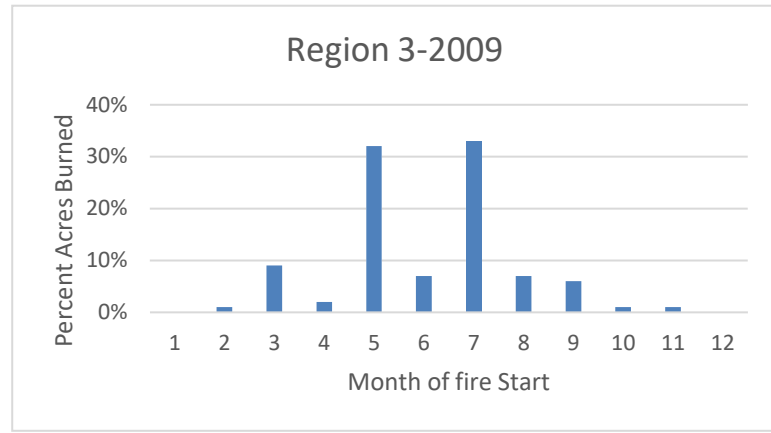


Percent Acres burned in Region 3 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
February	1%	0%	1%	0%	0%	0%	1%	2%	3%	1%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
March	6%	0%	0%	0%	2%	0%	64%	2%	1%	9%	0%	1%	0%	0%	0%	0%	4%	0%	0%	0%
April	7%	14%	33%	0%	0%	0%	5%	1%	15%	2%	1%	13%	0%	0%	1%	0%	0%	1%	35%	0%
May	61%	14%	27%	26%	30%	19%	2%	7%	5%	32%	7%	67%	35%	15%	28%	2%	62%	14%	25%	9%
June	2%	26%	25%	61%	64%	54%	26%	48%	62%	7%	60%	11%	51%	82%	18%	68%	14%	61%	7%	51%
July	18%	27%	3%	12%	1%	23%	1%	17%	3%	33%	8%	4%	6%	2%	45%	18%	13%	22%	29%	18%
August	4%	6%	8%	1%	3%	1%	0%	1%	8%	7%	8%	3%	6%	1%	7%	10%	2%	0%	3%	14%
September	2%	10%	1%	0%	0%	1%	0%	14%	1%	6%	4%	0%	0%	0%	0%	1%	4%	1%	0%	7%
October	0%	1%	0%	0%	0%	0%	0%	1%	1%	1%	2%	0%	0%	0%	0%	0%	0%	1%	0%	0%
November	0%	0%	0%	0%	0%	0%	0%	8%	0%	1%	8%	0%	0%	0%	1%	0%	0%	0%	0%	0%
December	0%	1%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

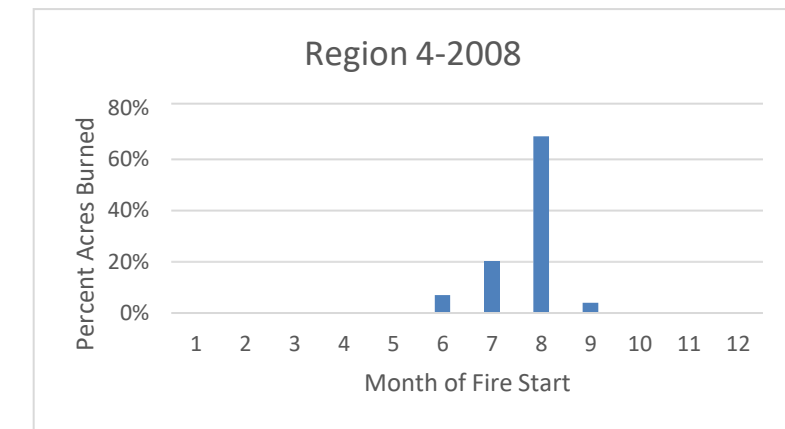
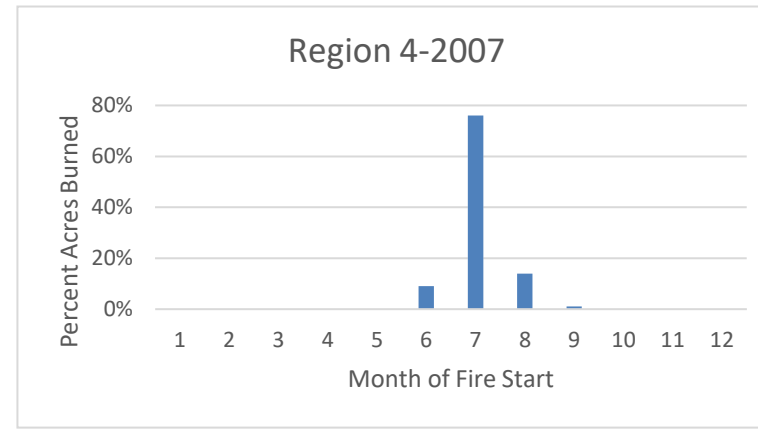
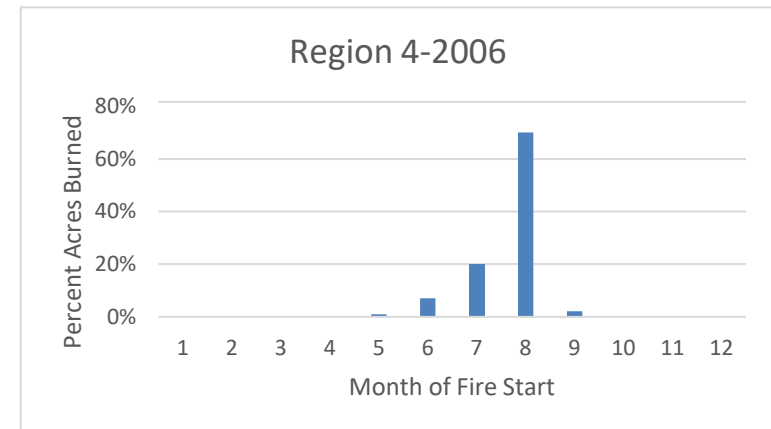
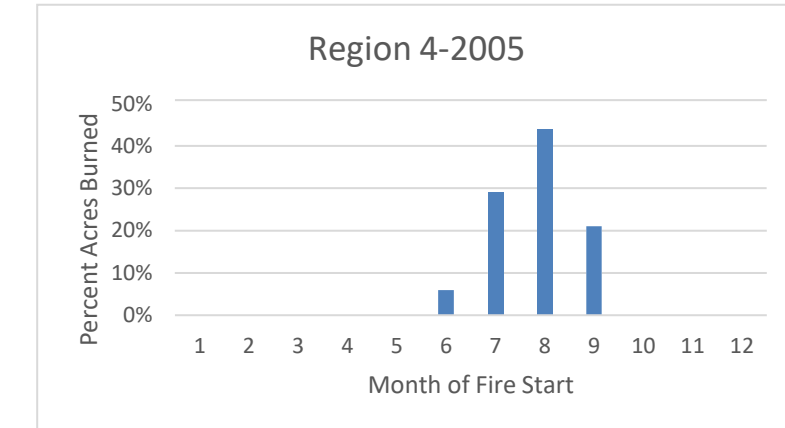
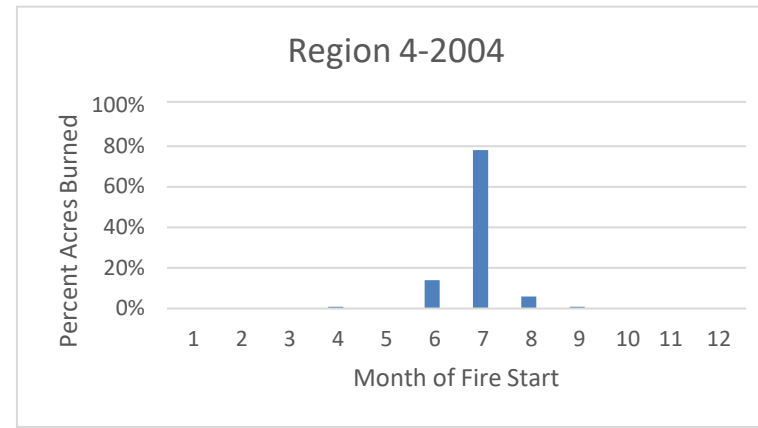
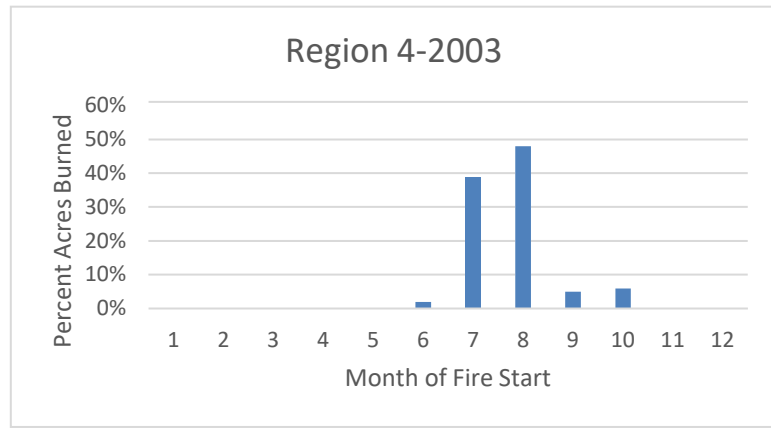
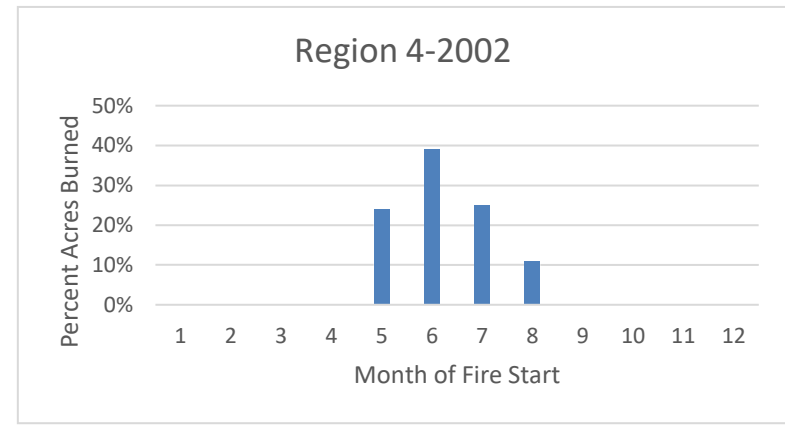
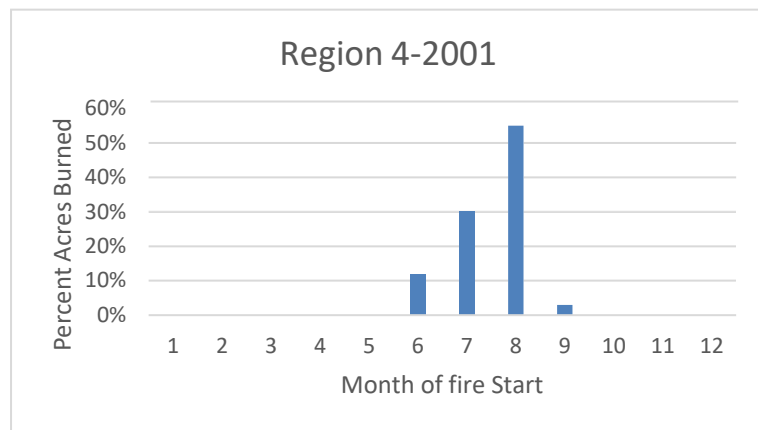
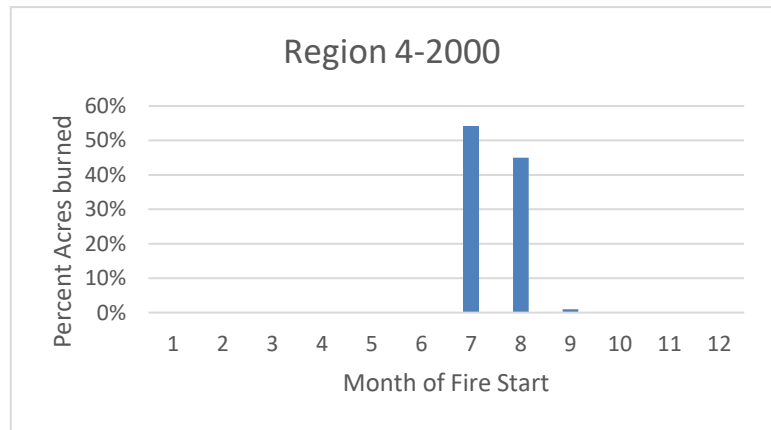


Percent Acres burned in Region 3 by month and year

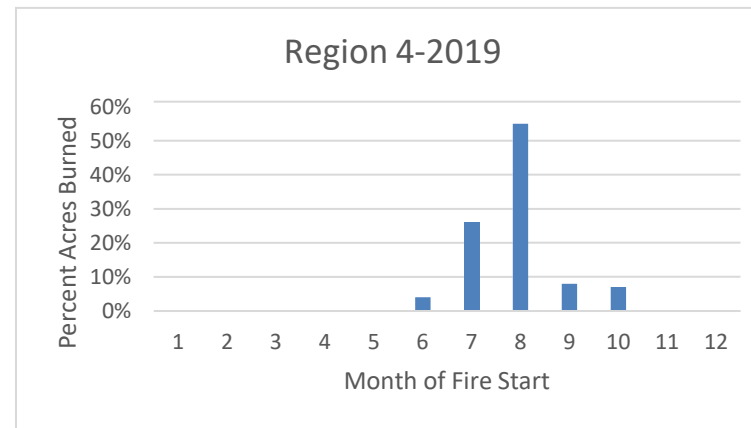
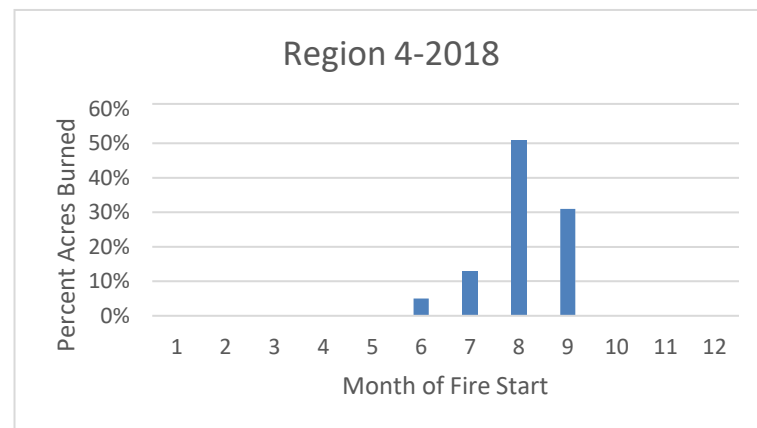
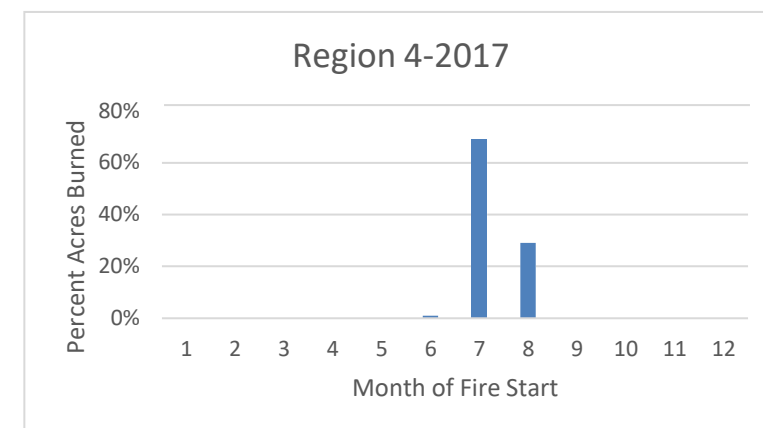
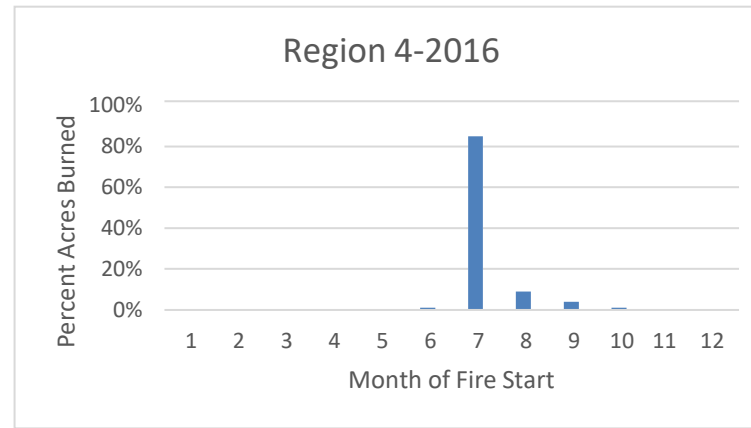
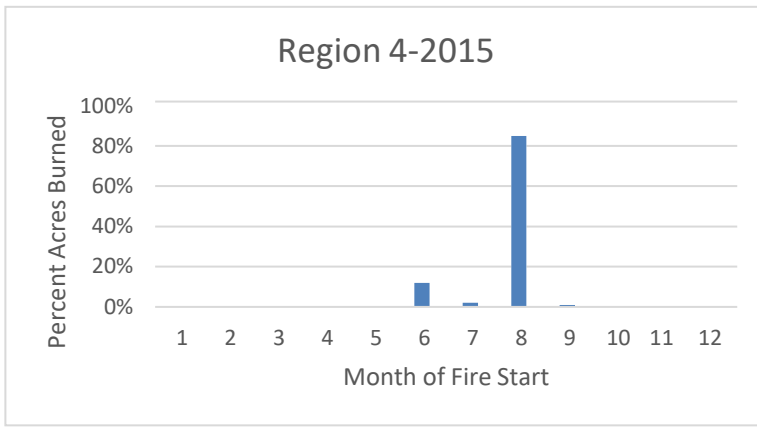
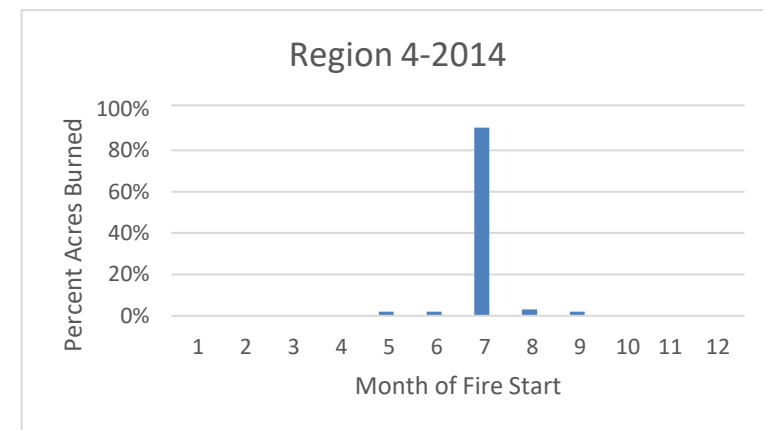
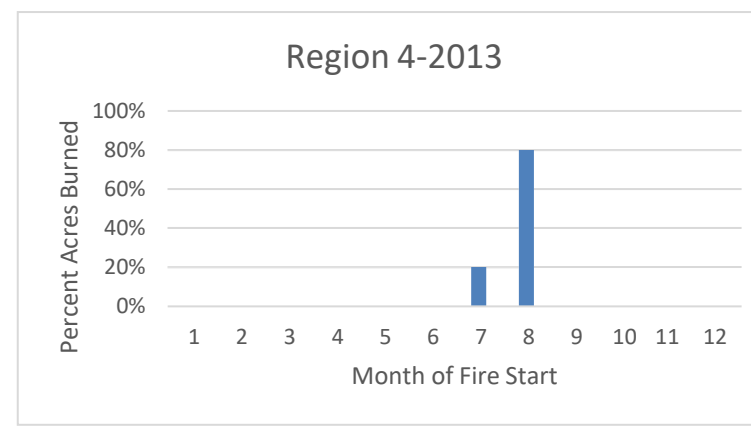
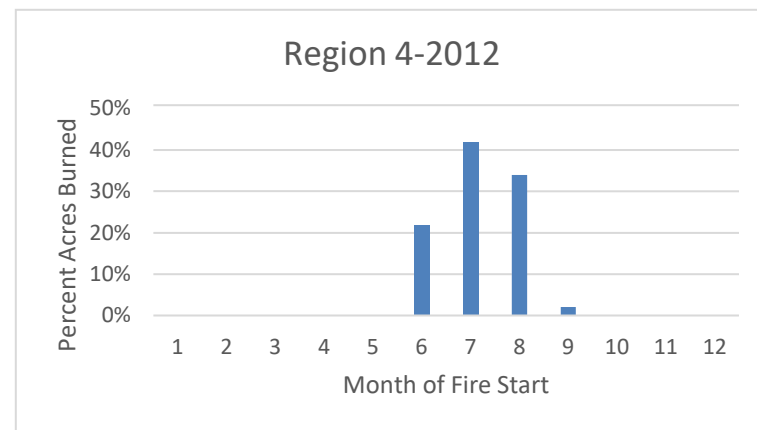
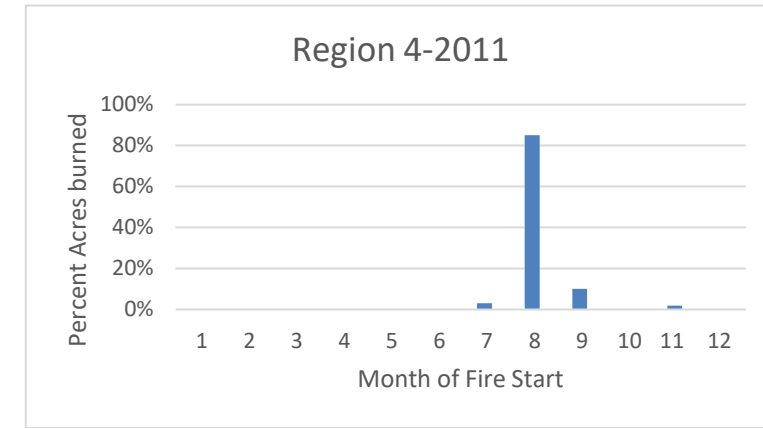
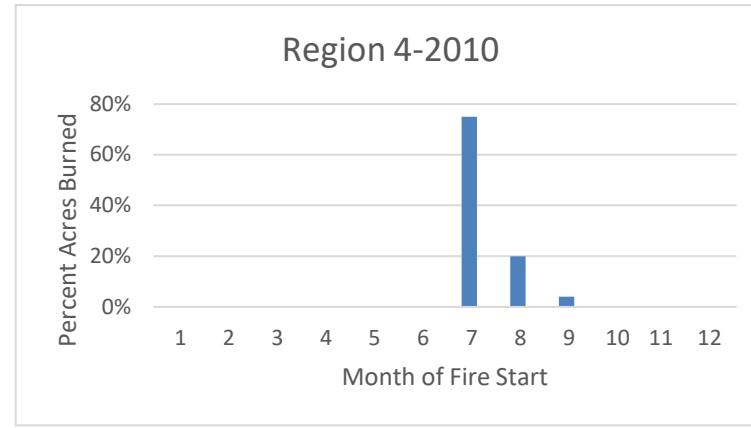
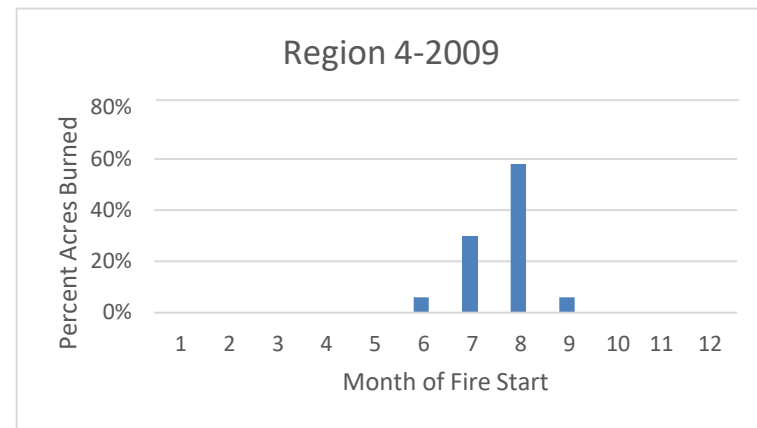


Percent Acres burned in Region 4 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
February	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
March	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
April	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
May	0%	0%	24%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%
June	0%	12%	39%	2%	14%	6%	7%	9%	7%	6%	0%	0%	22%	0%	2%	12%	1%	1%	5%	4%
July	54%	30%	25%	39%	78%	29%	20%	76%	20%	30%	75%	3%	42%	20%	91%	2%	85%	69%	13%	26%
August	45%	55%	11%	48%	6%	44%	70%	14%	69%	58%	20%	85%	34%	80%	3%	85%	9%	29%	51%	55%
September	1%	3%	0%	5%	1%	21%	2%	1%	4%	6%	4%	10%	2%	0%	2%	1%	4%	0%	31%	8%
October	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	7%
November	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%
December	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

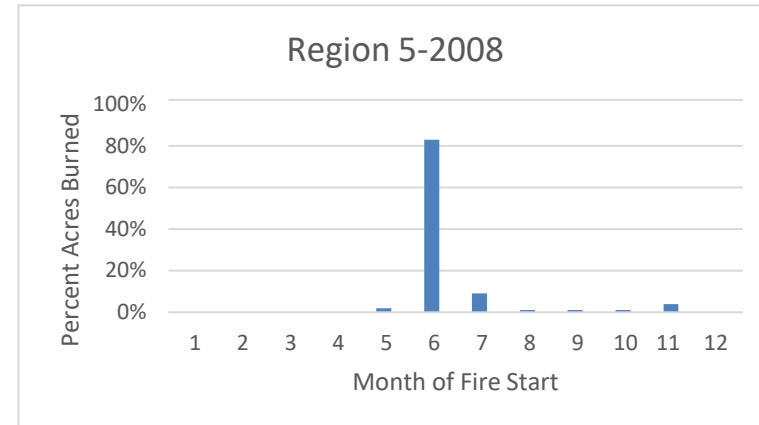
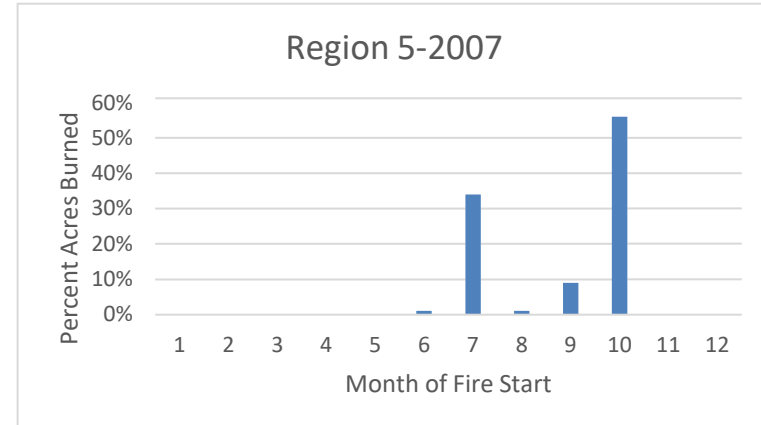
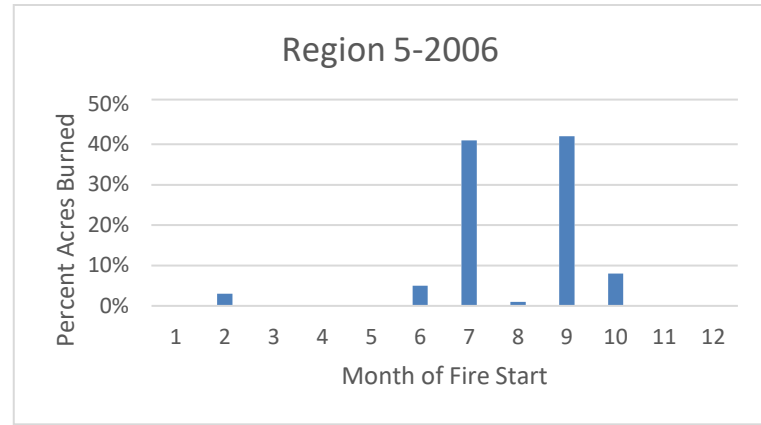
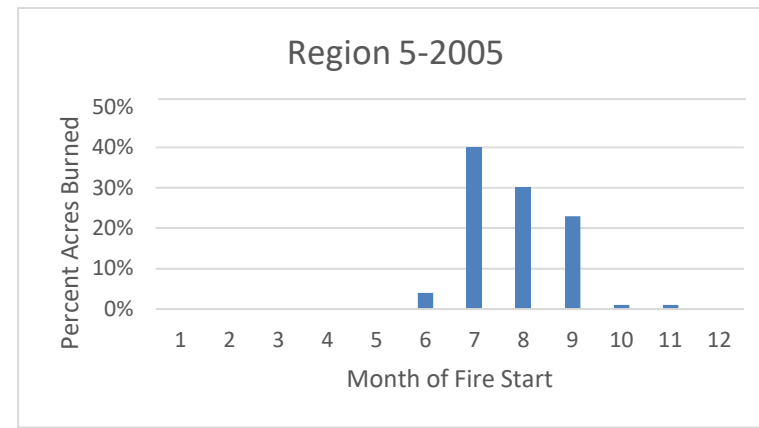
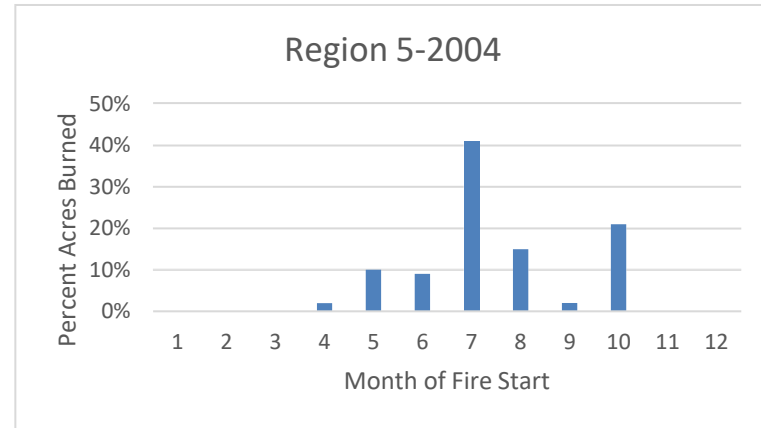
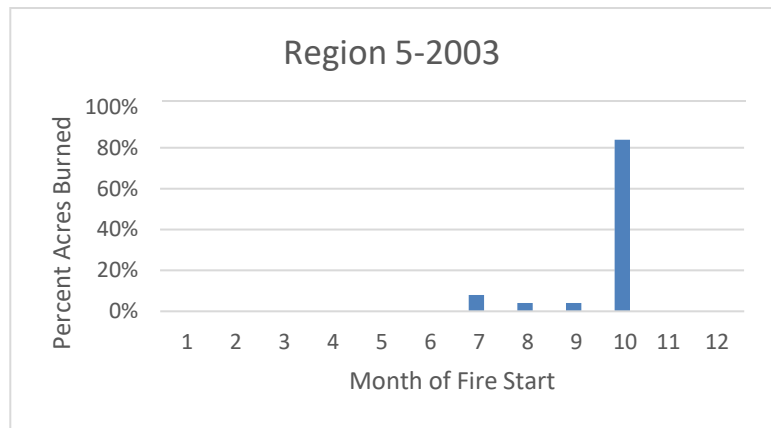
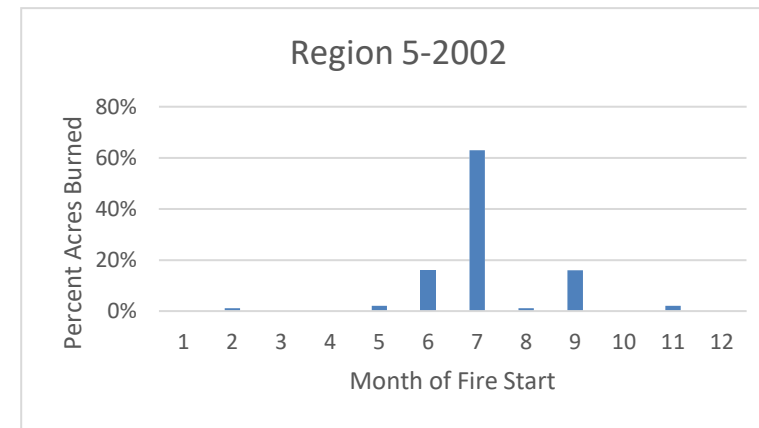
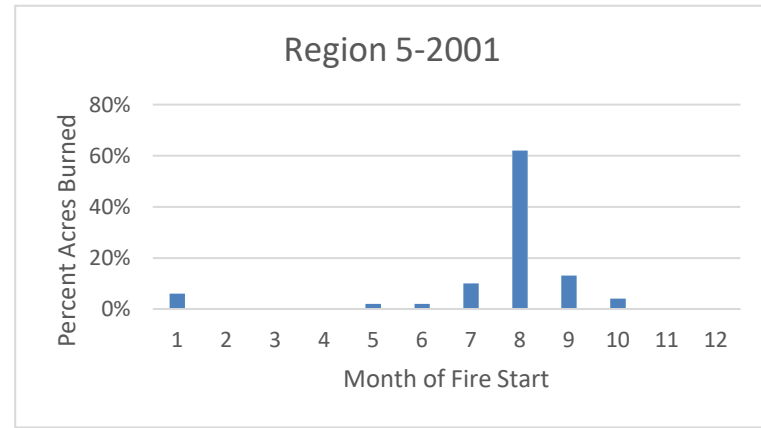
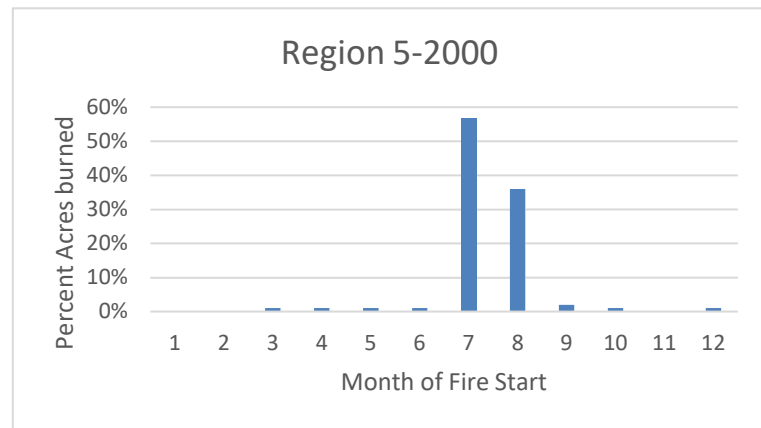


Percent Acres burned in Region 4 by month and year

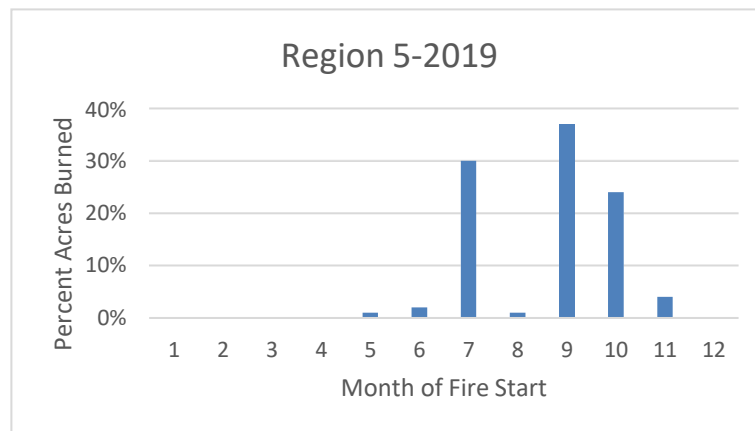
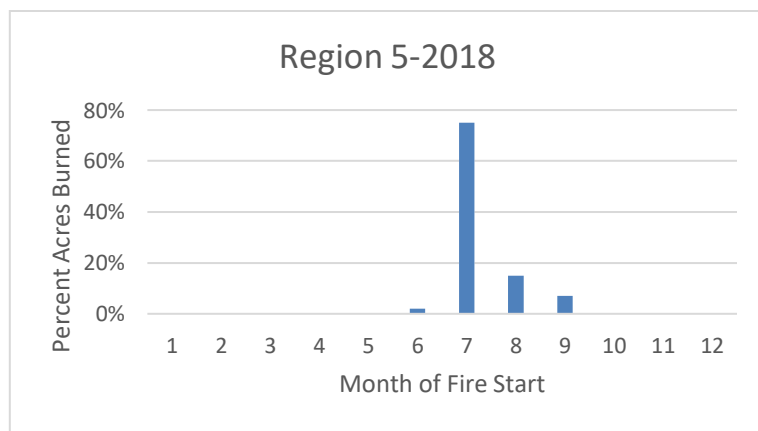
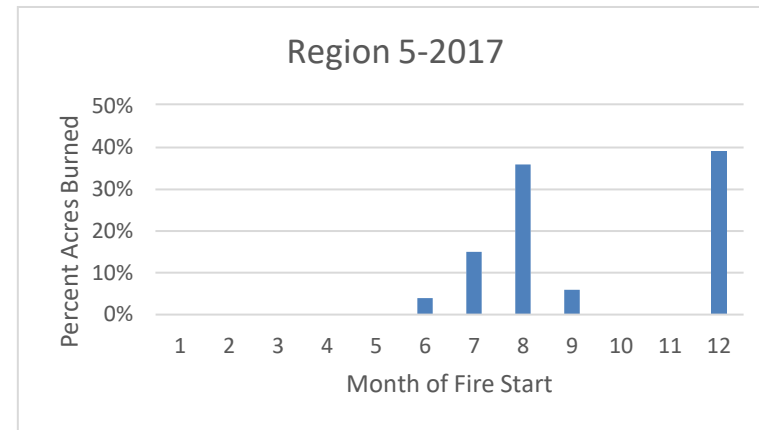
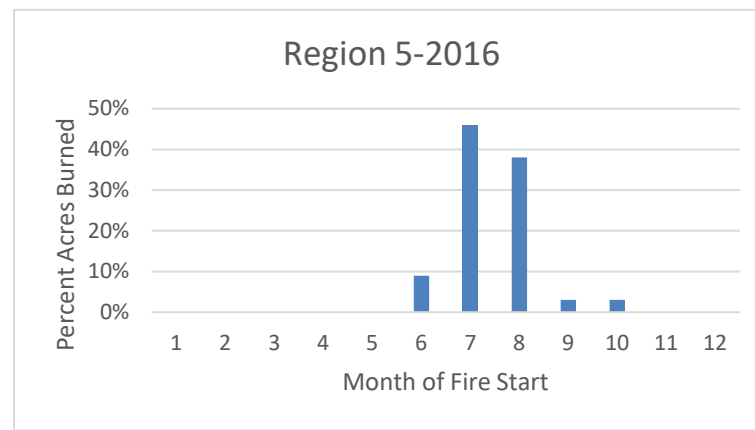
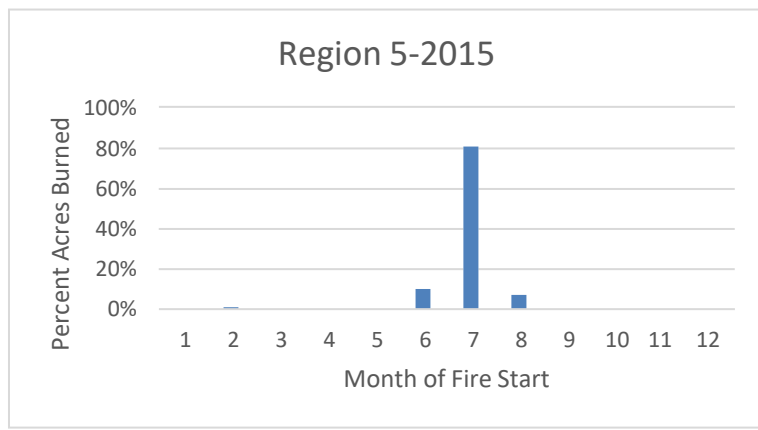
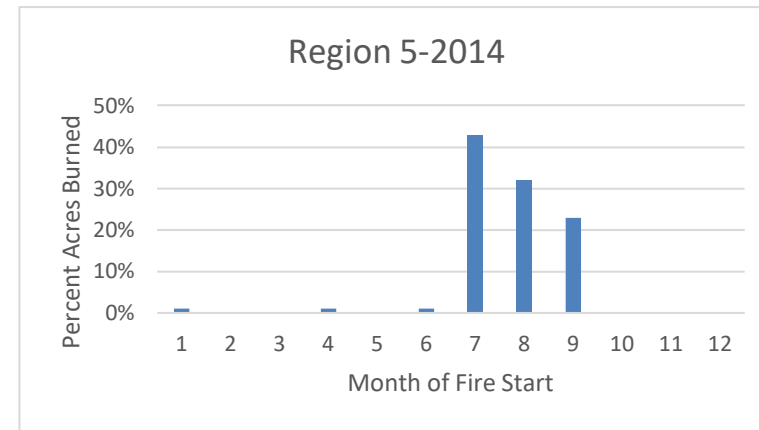
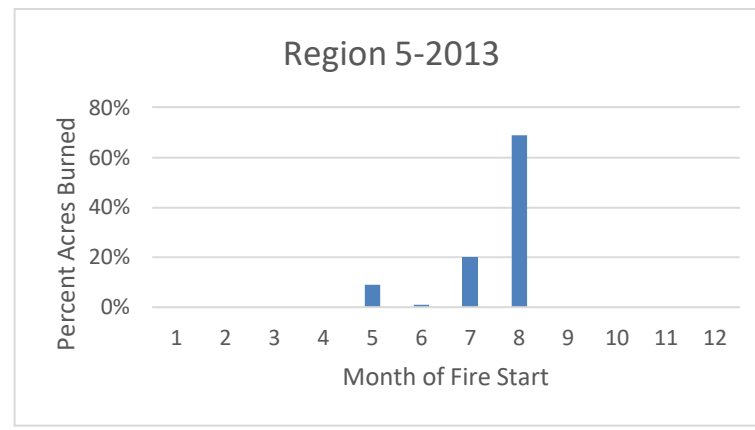
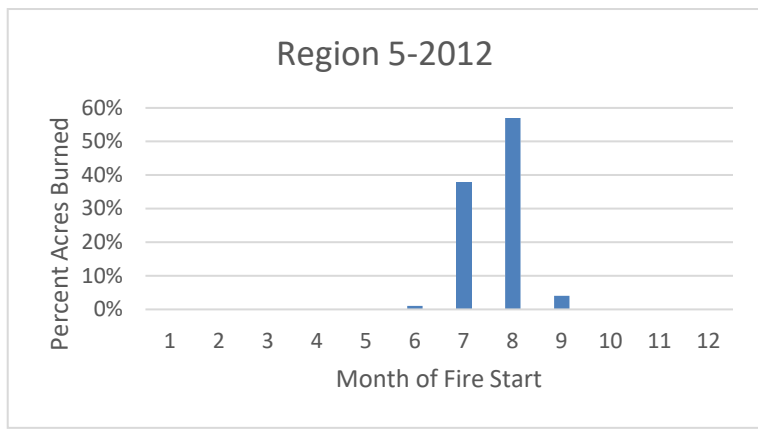
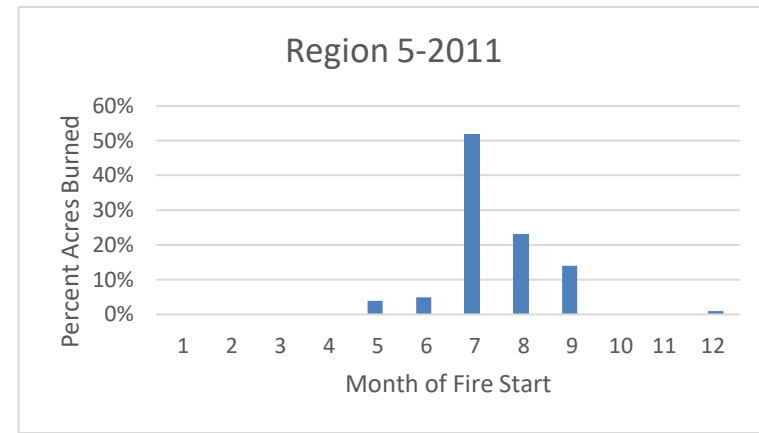
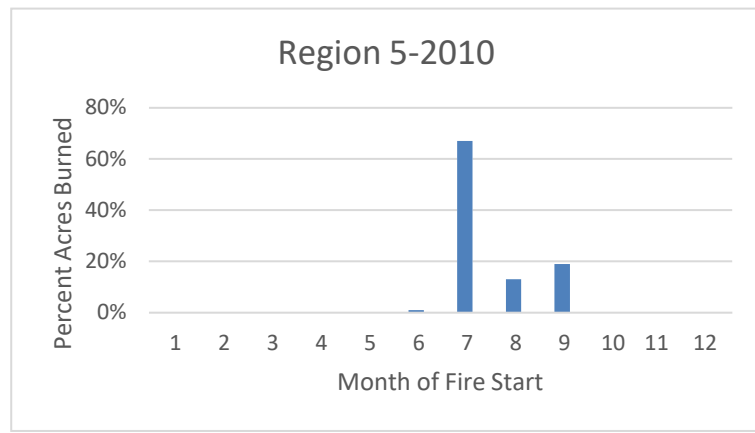
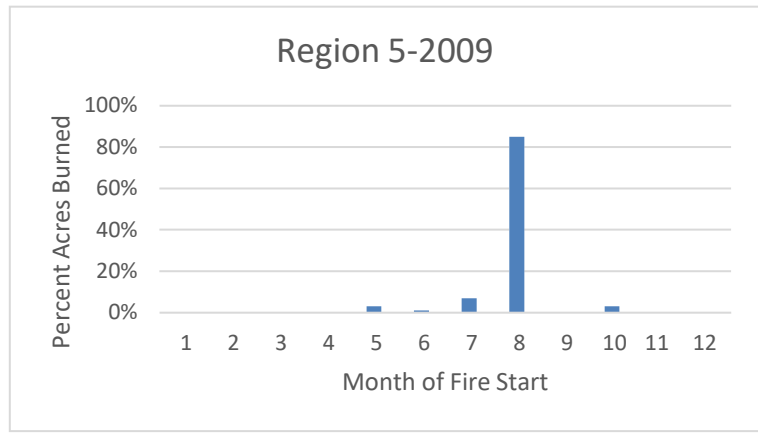


Percent Acres burned in Region 5 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
February	0%	0%	1%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
March	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
April	1%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
May	1%	2%	2%	0%	10%	0%	0%	0%	2%	3%	0%	4%	0%	9%	0%	0%	0%	0%	0%	1%
June	1%	2%	16%	0%	9%	4%	5%	1%	83%	1%	1%	5%	1%	1%	1%	10%	9%	4%	2%	2%
July	57%	10%	63%	8%	41%	40%	41%	34%	9%	7%	67%	52%	38%	20%	43%	81%	46%	15%	75%	30%
August	36%	62%	1%	4%	15%	30%	1%	1%	1%	85%	13%	23%	57%	69%	32%	7%	38%	36%	15%	1%
September	2%	13%	16%	4%	2%	23%	42%	9%	1%	0%	19%	14%	4%	0%	23%	0%	3%	6%	7%	37%
October	1%	4%	0%	84%	21%	1%	8%	56%	1%	3%	0%	0%	0%	0%	0%	0%	3%	0%	0%	24%
November	0%	0%	2%	0%	0%	1%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%
December	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	39%	0%	0%

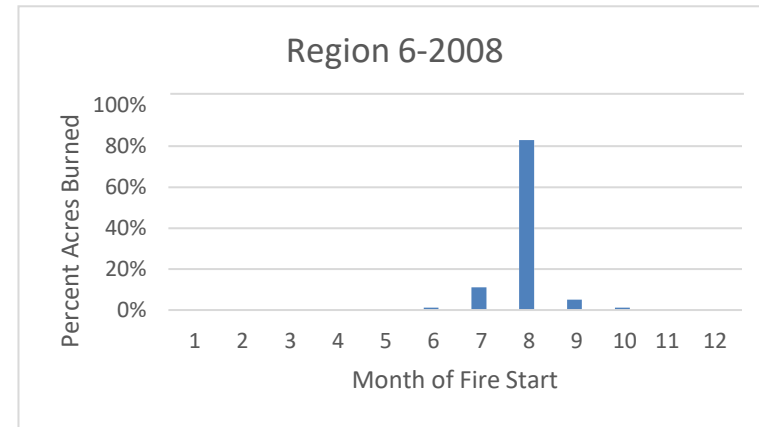
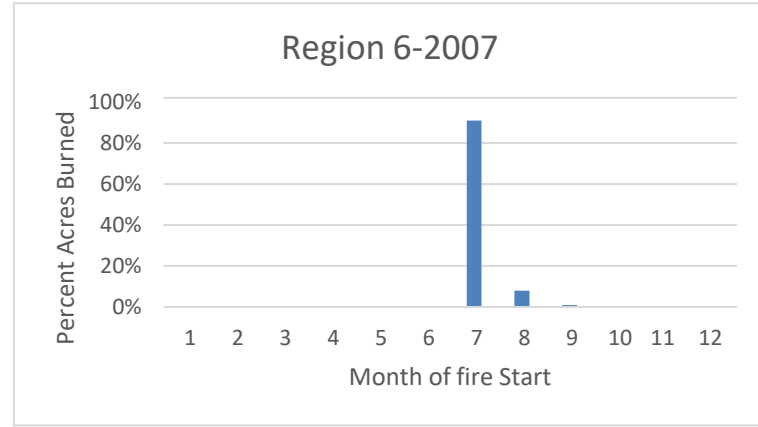
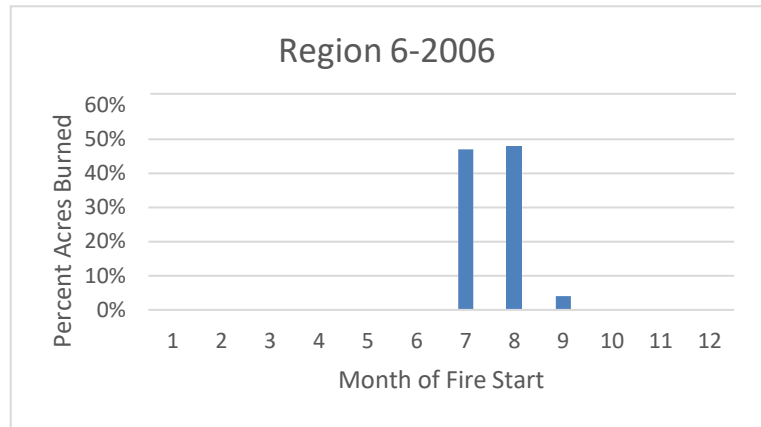
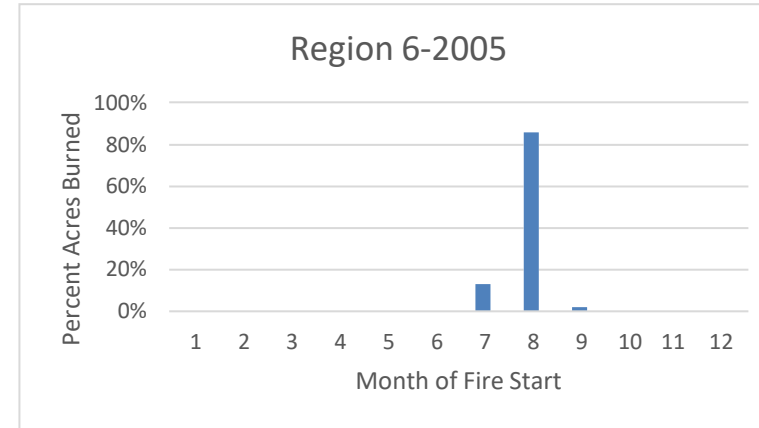
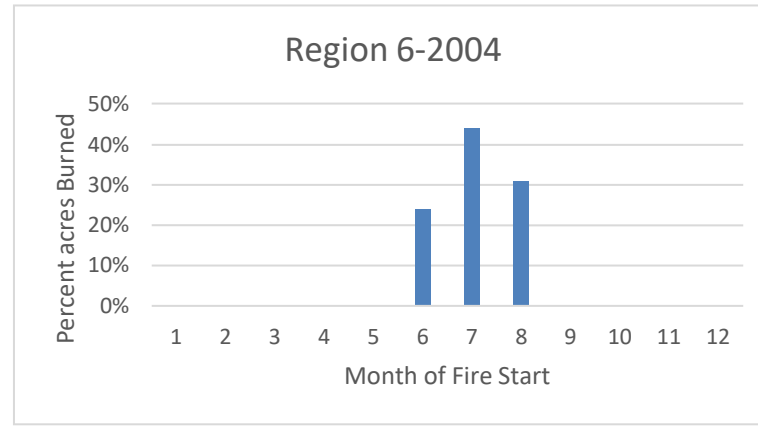
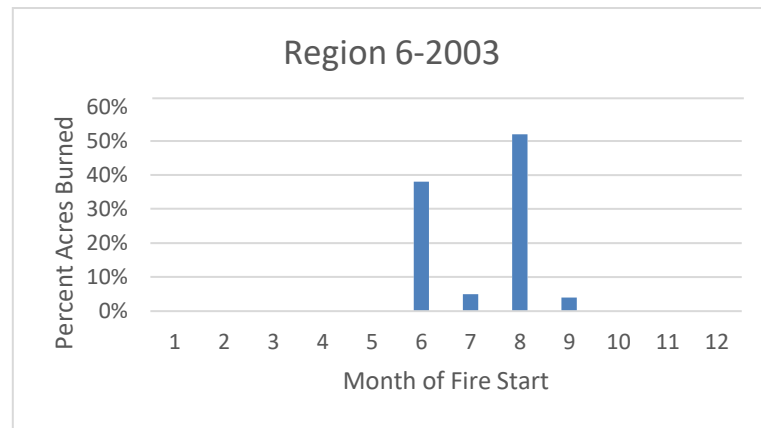
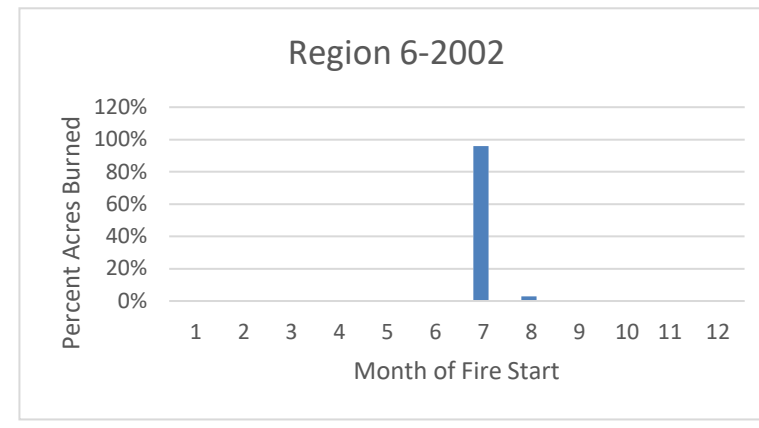
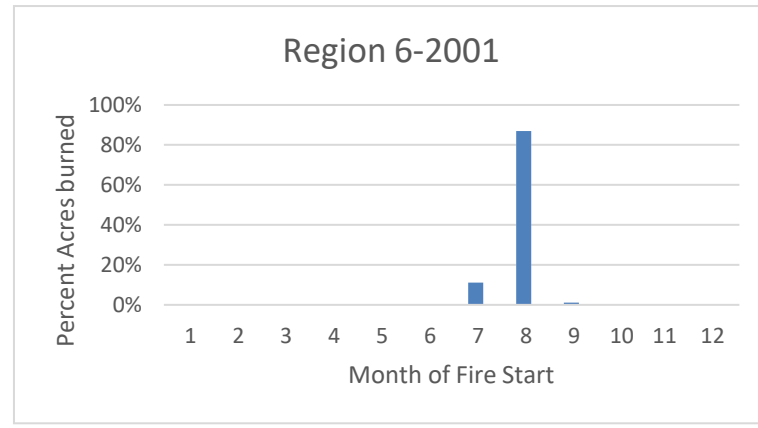
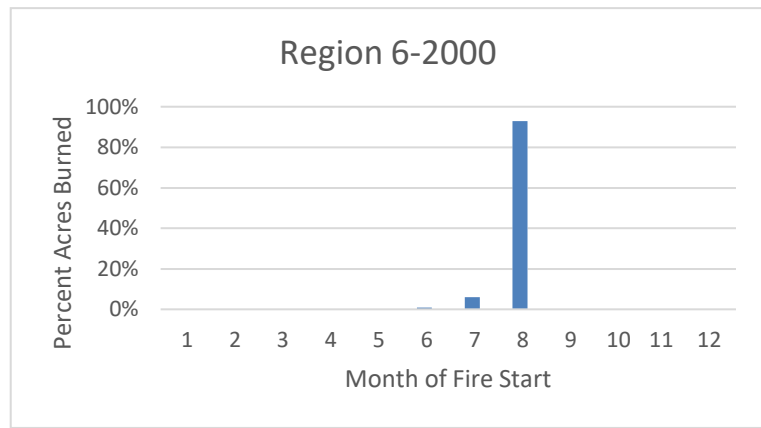


Percent Acres burned in Region 5 by month and year

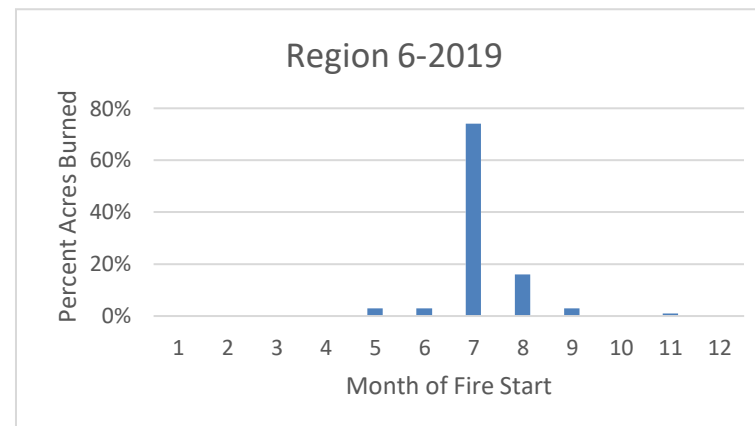
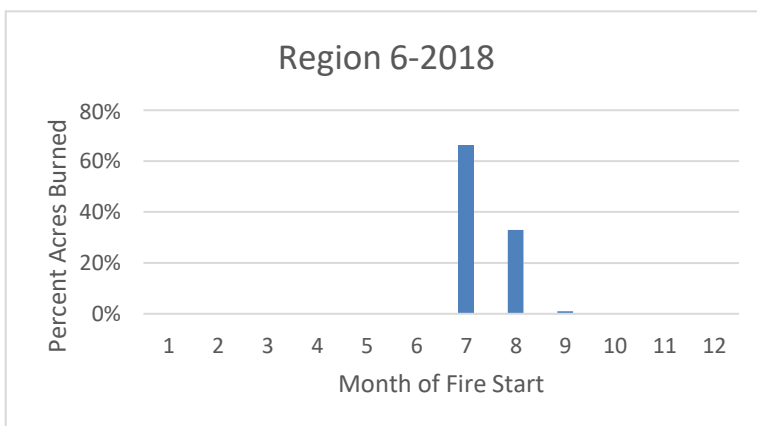
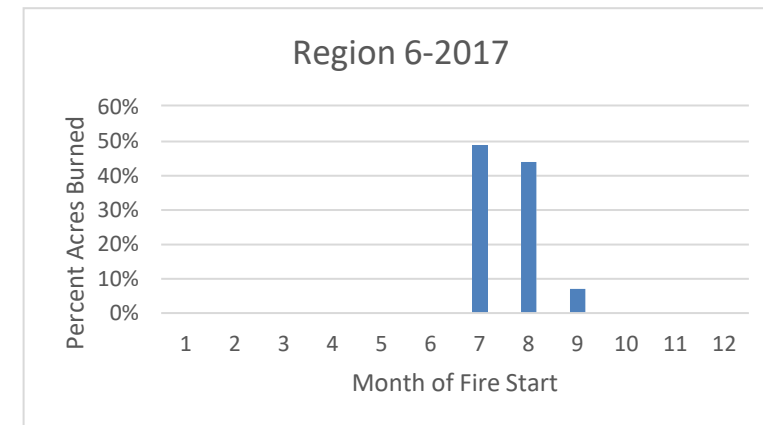
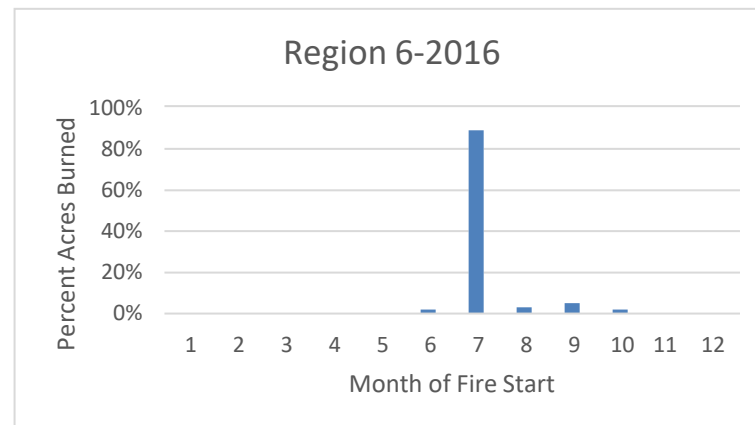
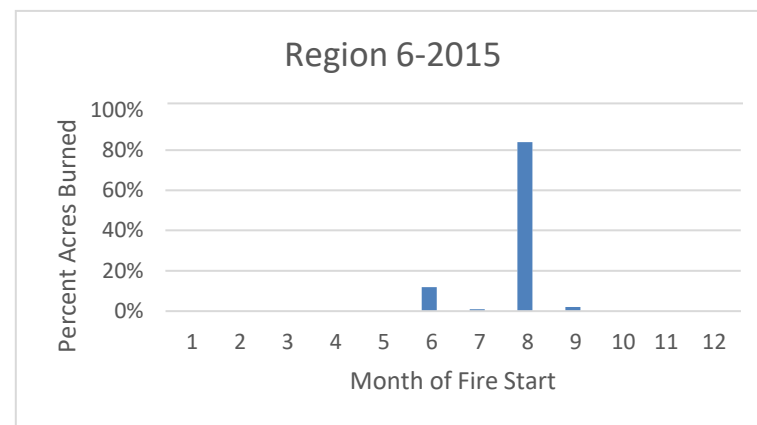
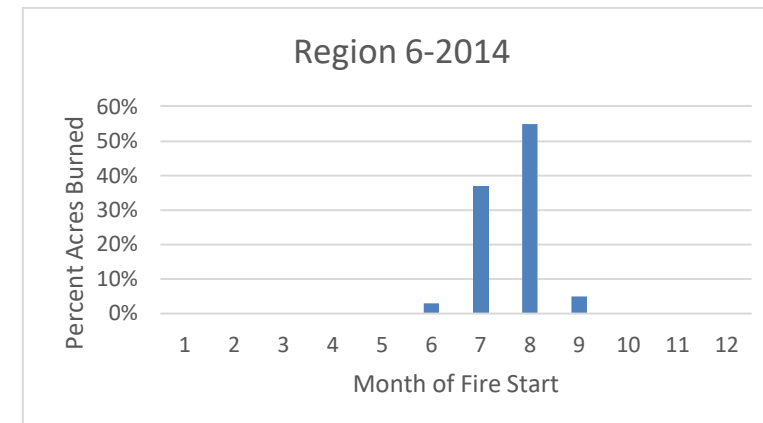
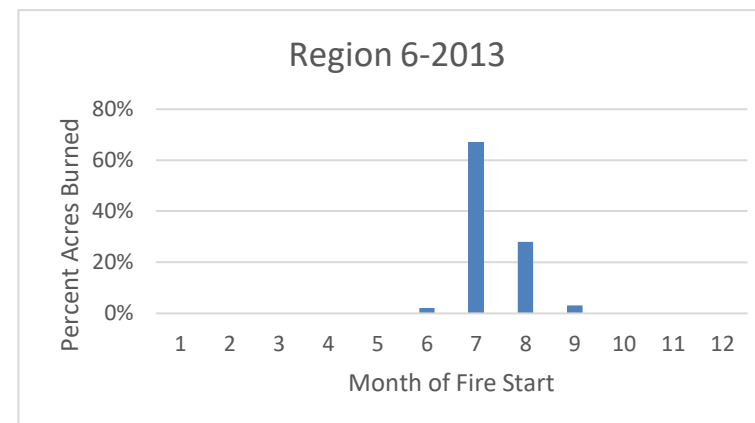
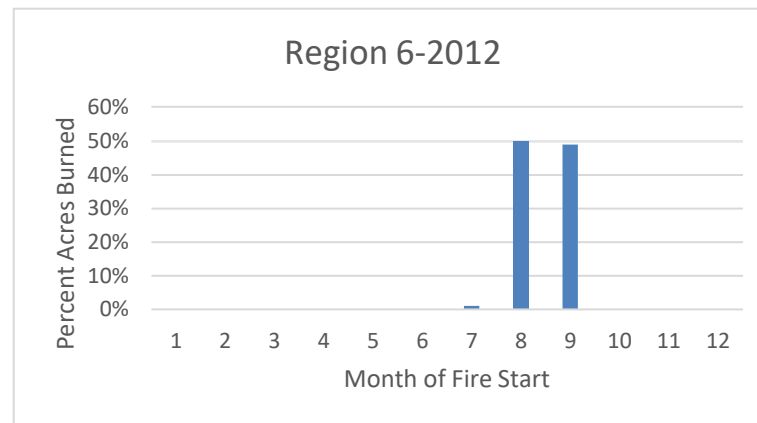
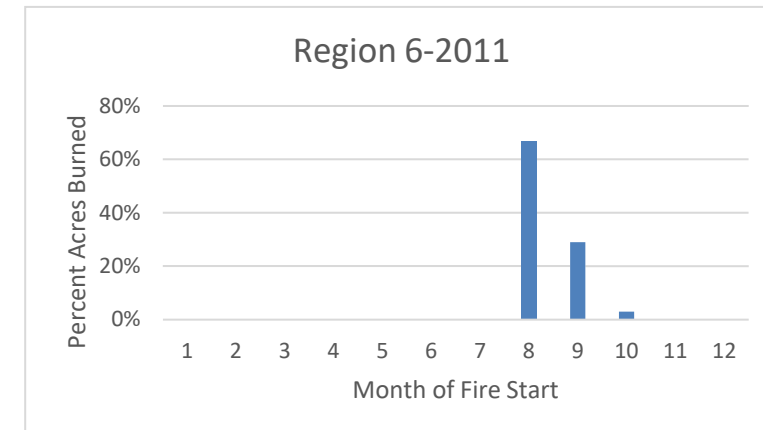
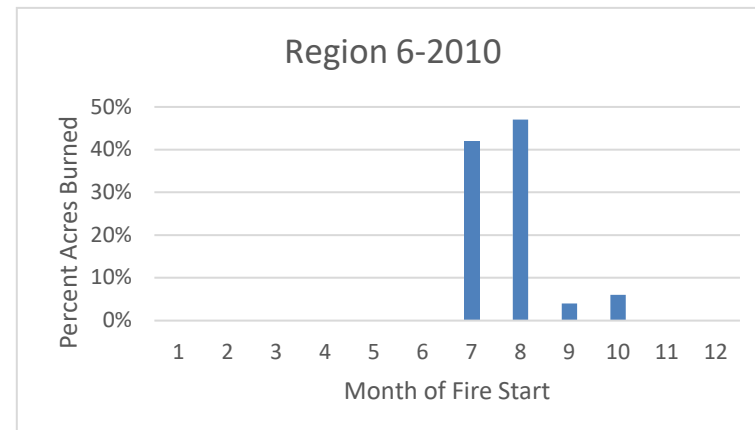
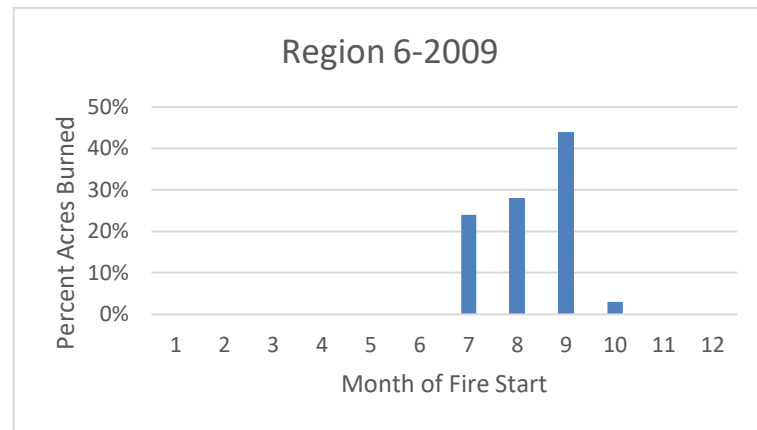


Percent Acres burned in Region 6 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
February	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
March	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
April	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
May	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%
June	1%	0%	0%	38%	24%	0%	0%	0%	1%	0%	0%	0%	0%	2%	3%	12%	2%	0%	0%	3%
July	6%	11%	96%	5%	44%	13%	47%	91%	11%	24%	42%	0%	1%	67%	37%	1%	89%	49%	66%	74%
August	93%	87%	3%	52%	31%	86%	48%	8%	83%	28%	47%	67%	50%	28%	55%	84%	3%	44%	33%	16%
September	0%	1%	0%	4%	0%	2%	4%	1%	5%	44%	4%	29%	49%	3%	5%	2%	5%	7%	1%	3%
October	0%	0%	0%	0%	0%	0%	0%	0%	1%	3%	6%	3%	0%	0%	0%	0%	2%	0%	0%	0%
November	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
December	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

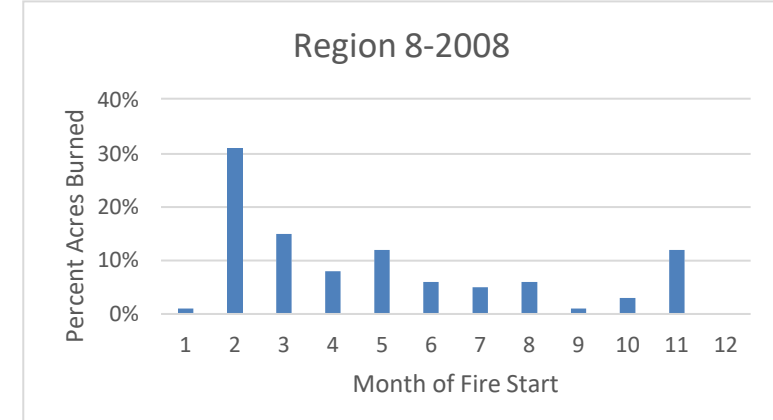
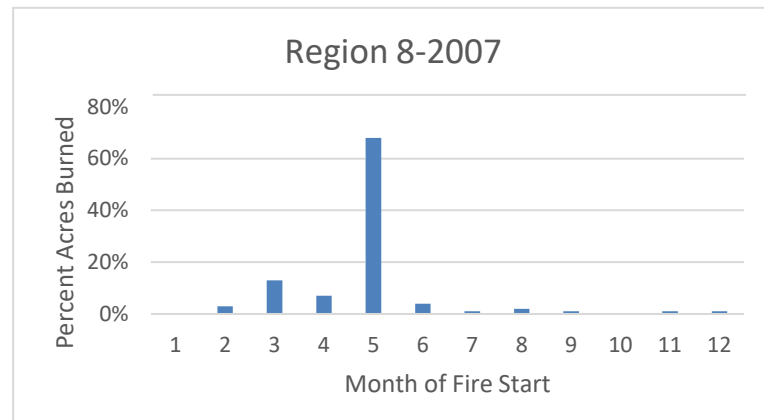
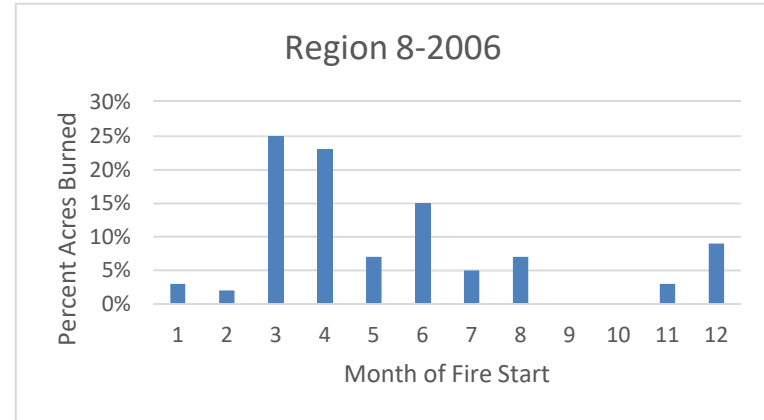
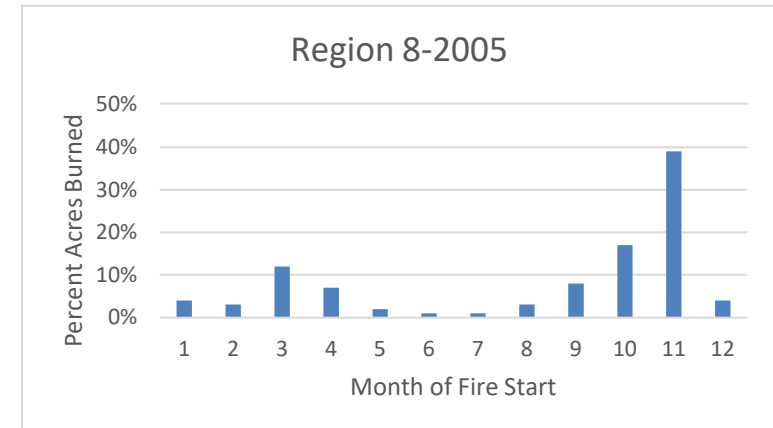
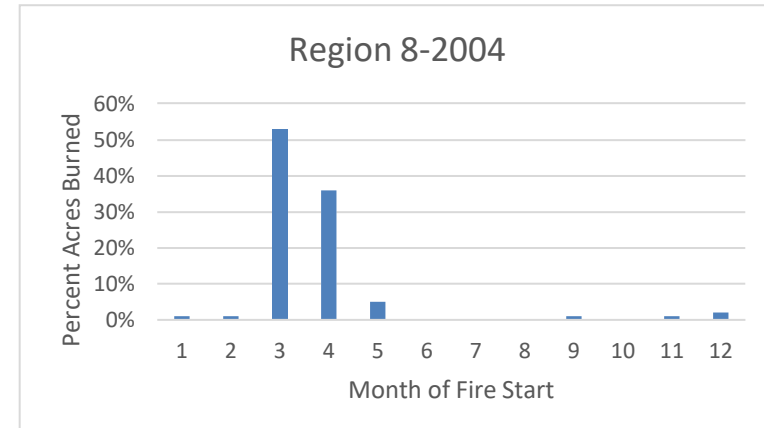
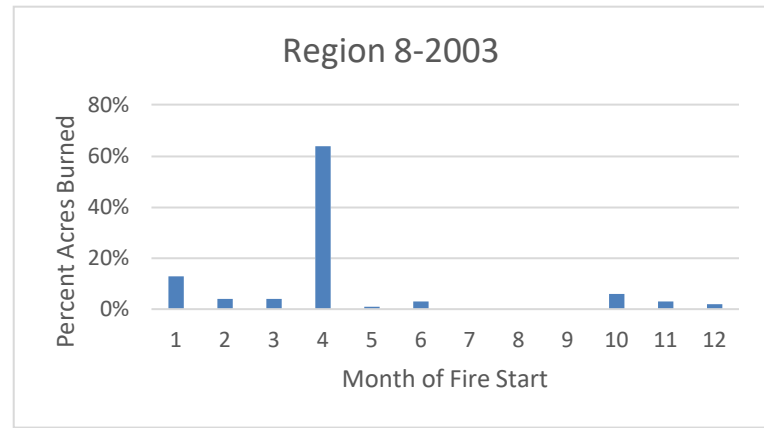
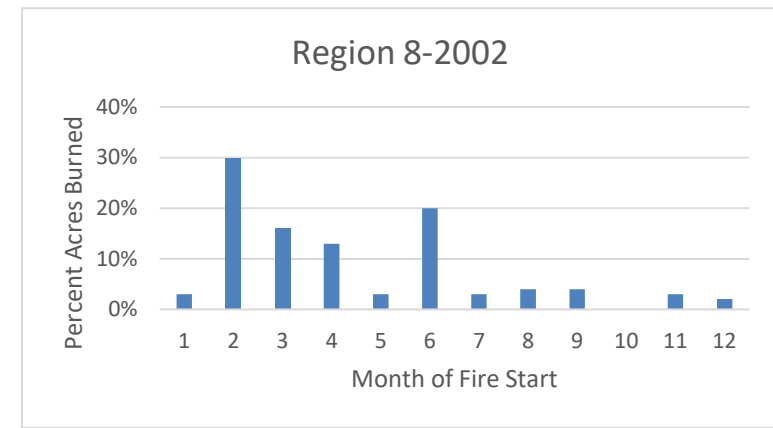
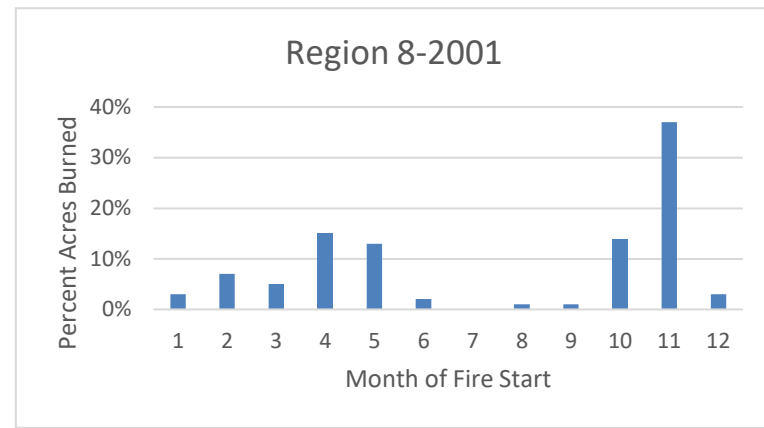
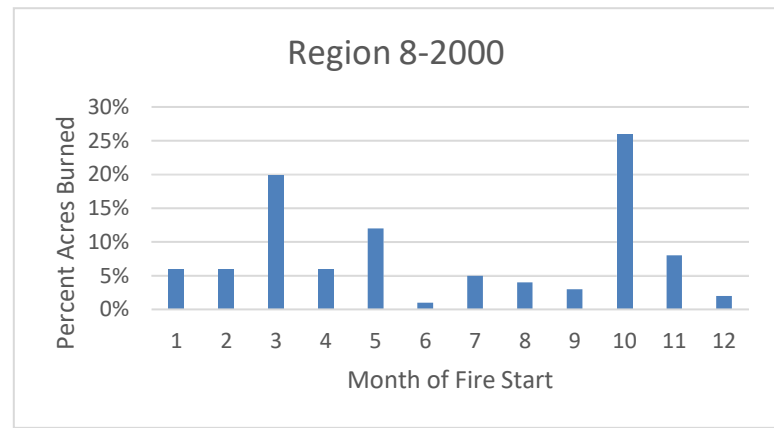


Percent Acres burned in Region 6 by month and year

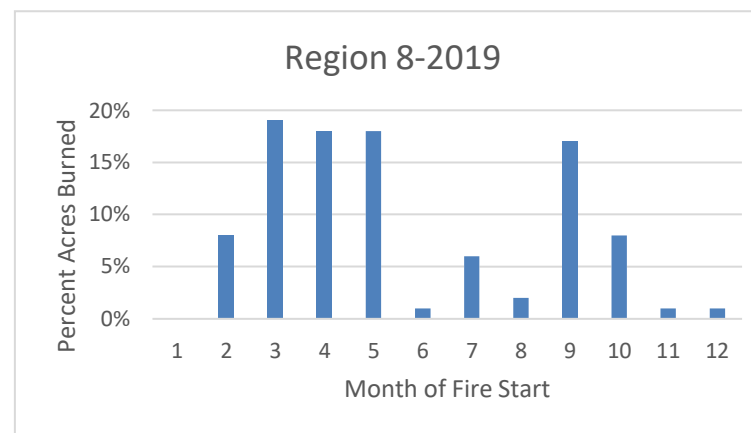
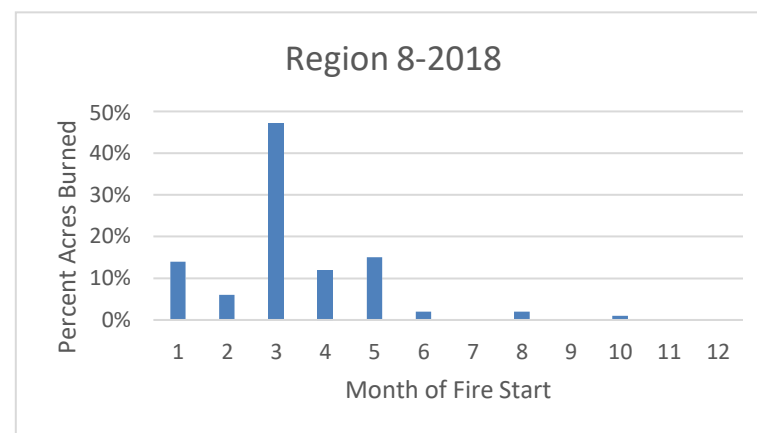
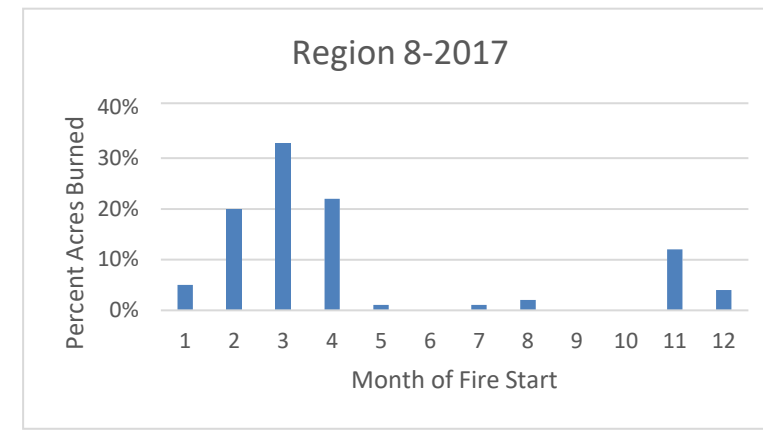
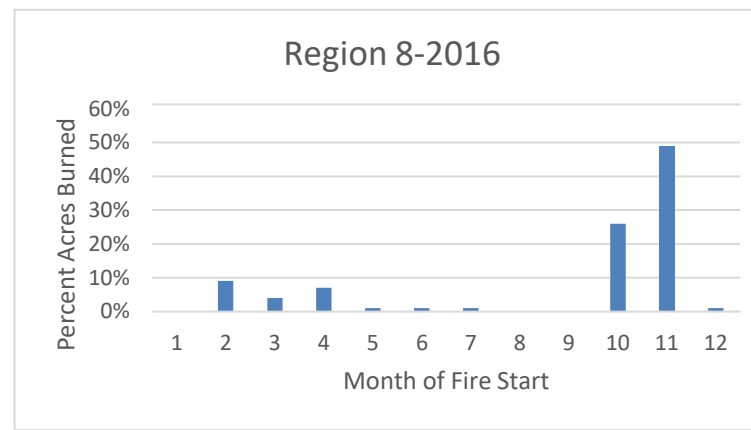
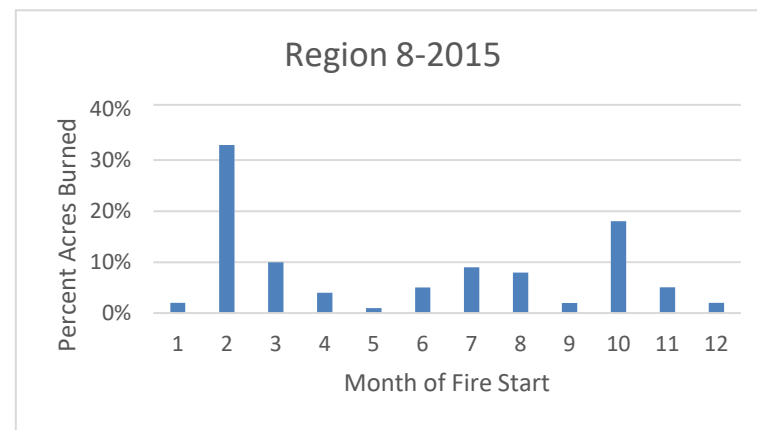
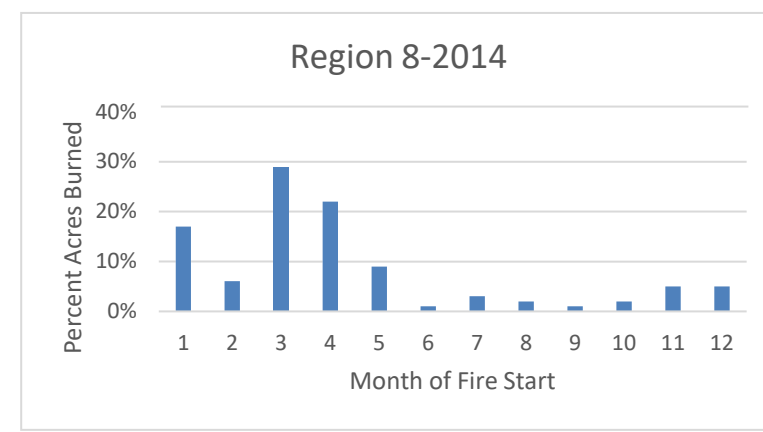
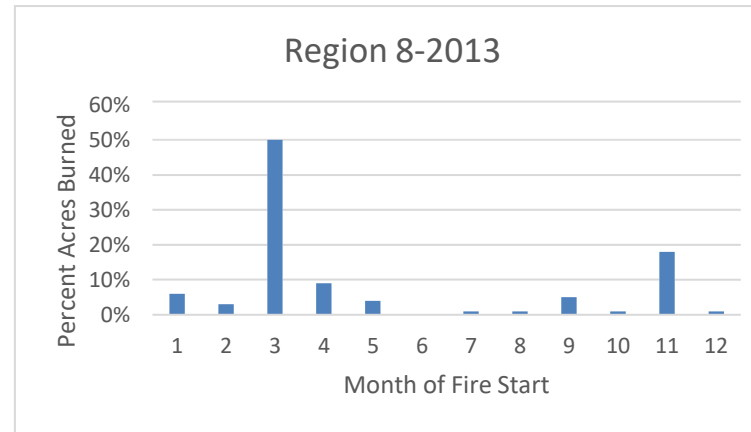
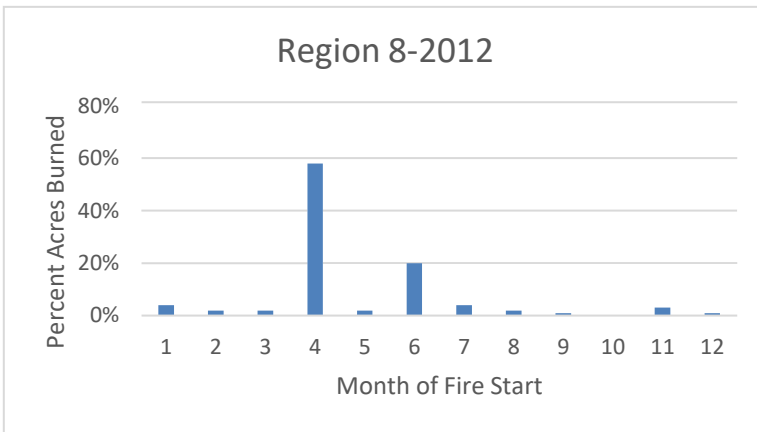
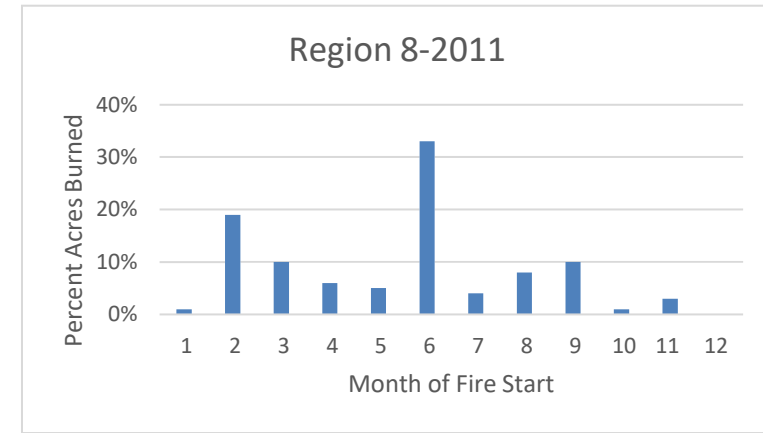
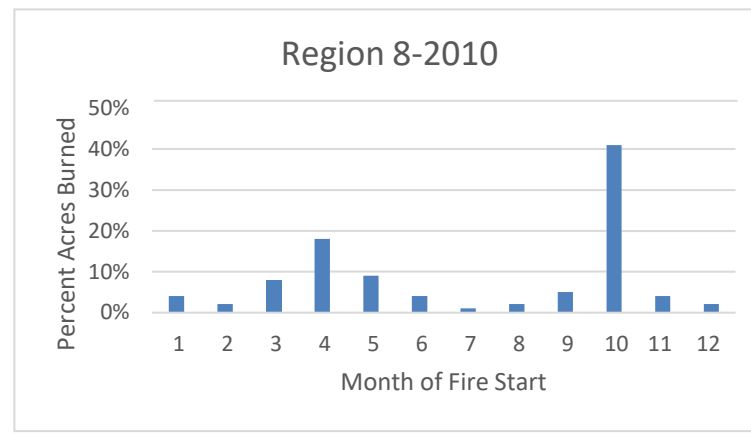
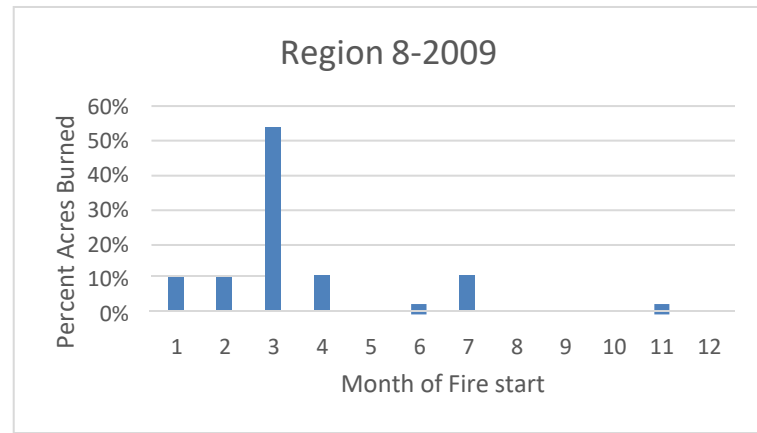


Percent Acres burned in Region 8 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	6%	3%	3%	13%	1%	4%	3%	0%	1%	10%	4%	1%	4%	6%	17%	2%	0%	5%	14%	0%
February	6%	7%	30%	4%	1%	3%	2%	3%	31%	8%	2%	19%	2%	3%	6%	33%	9%	20%	6%	8%
March	20%	5%	16%	4%	53%	12%	25%	13%	15%	53%	8%	10%	2%	50%	29%	10%	4%	33%	47%	19%
April	6%	15%	13%	64%	36%	7%	23%	7%	8%	13%	18%	6%	58%	9%	22%	4%	7%	22%	12%	18%
May	12%	13%	3%	1%	5%	2%	7%	68%	12%	0%	9%	5%	2%	4%	9%	1%	1%	1%	15%	18%
June	1%	2%	20%	3%	0%	1%	15%	4%	6%	3%	4%	33%	20%	0%	1%	5%	1%	0%	2%	1%
July	5%	0%	3%	0%	0%	1%	5%	1%	5%	9%	1%	4%	4%	1%	3%	9%	1%	1%	0%	6%
August	4%	1%	4%	0%	0%	3%	7%	2%	6%	0%	2%	8%	2%	1%	2%	8%	0%	2%	2%	2%
September	3%	1%	4%	0%	1%	8%	0%	1%	1%	0%	5%	10%	1%	5%	1%	2%	0%	0%	0%	17%
October	26%	14%	0%	6%	0%	17%	0%	0%	3%	0%	41%	1%	0%	1%	2%	18%	26%	0%	1%	8%
November	8%	37%	3%	3%	1%	39%	3%	1%	12%	3%	4%	3%	3%	18%	5%	5%	49%	12%	0%	1%
December	2%	3%	2%	2%	2%	4%	9%	1%	0%	0%	2%	0%	1%	1%	5%	2%	1%	4%	0%	1%

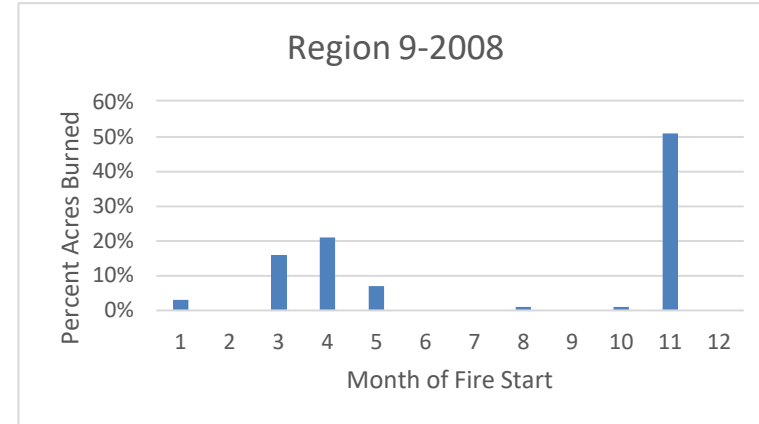
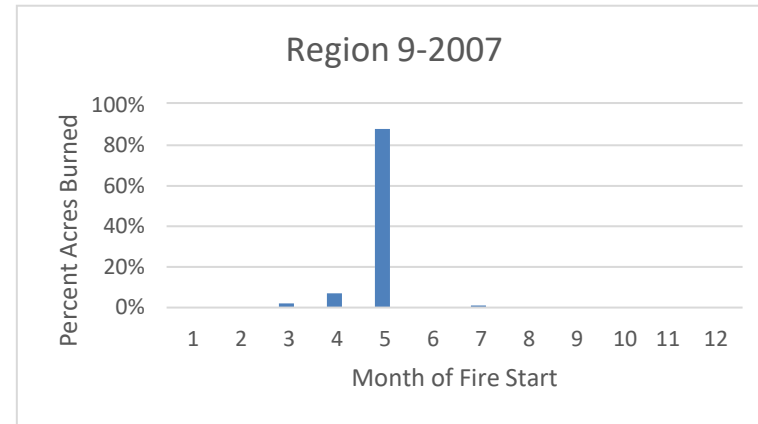
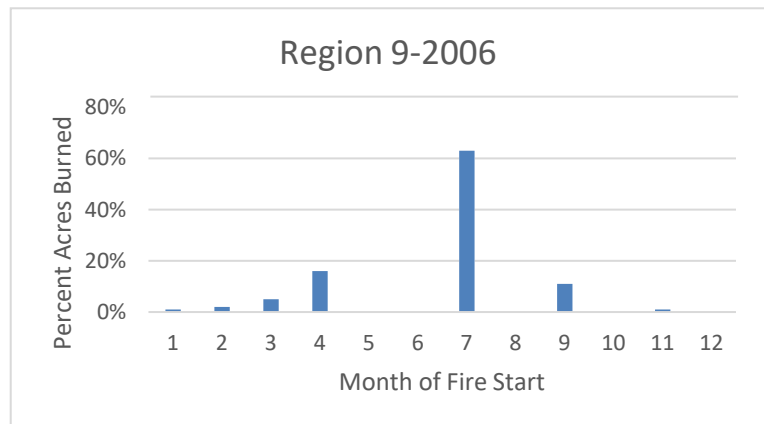
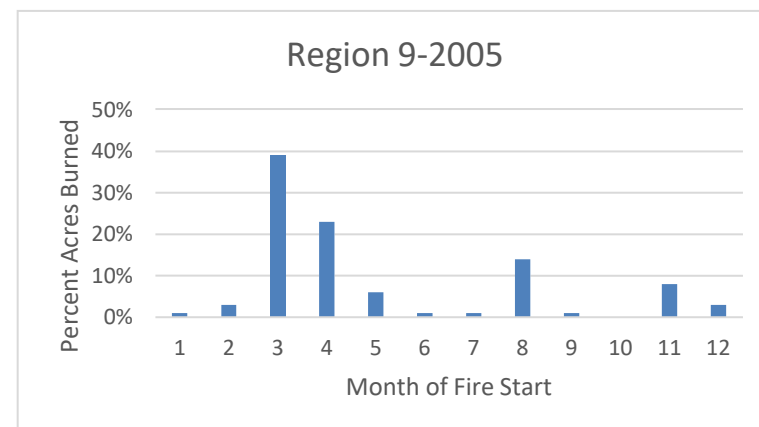
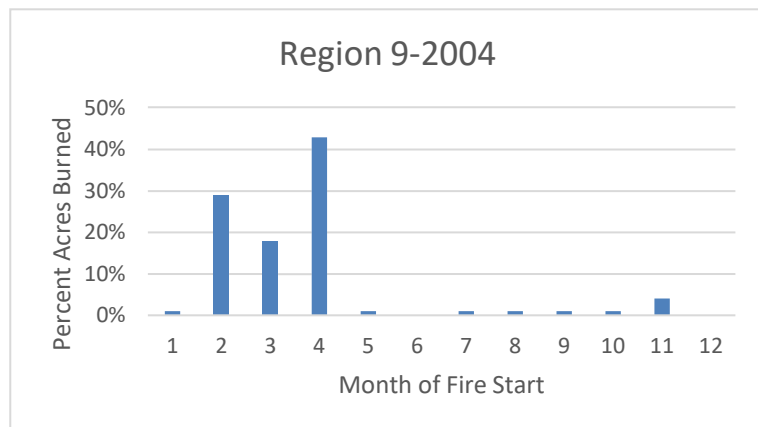
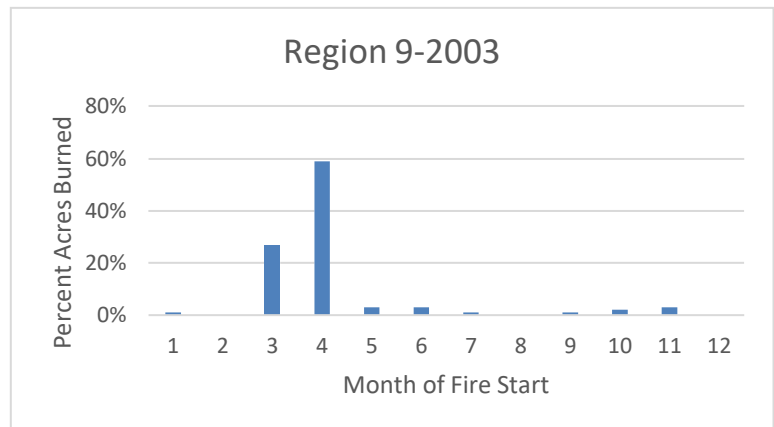
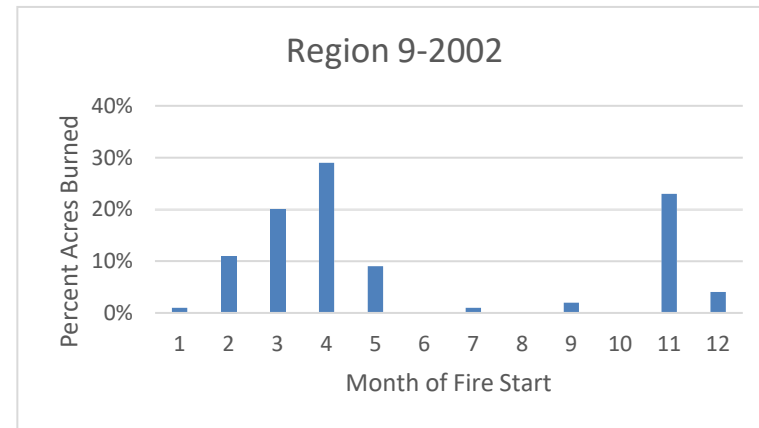
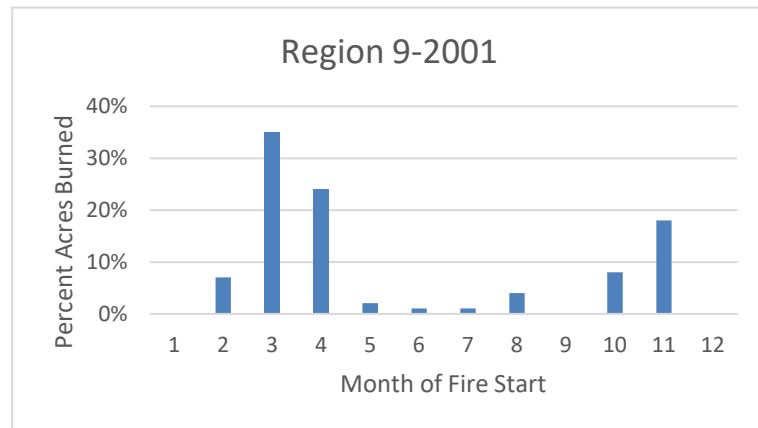
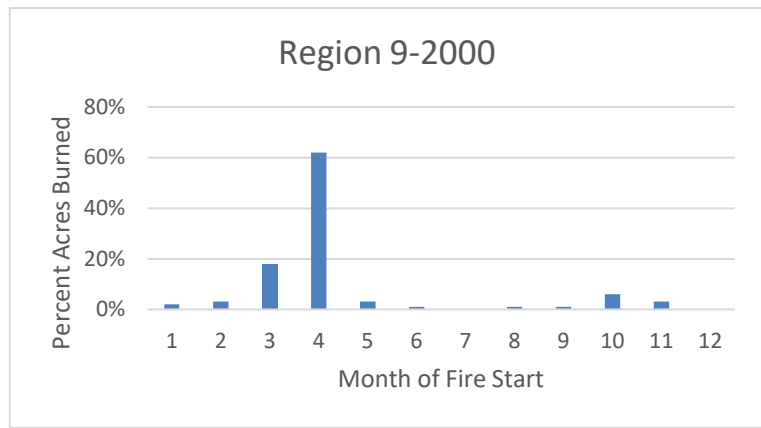


Percent Acres burned in Region 8 by month and year

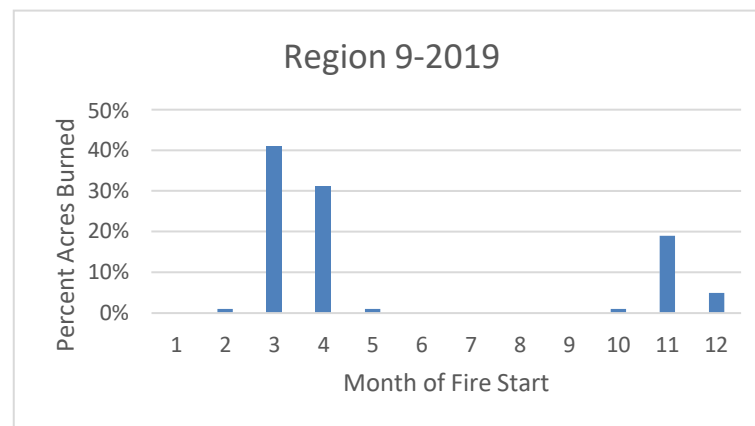
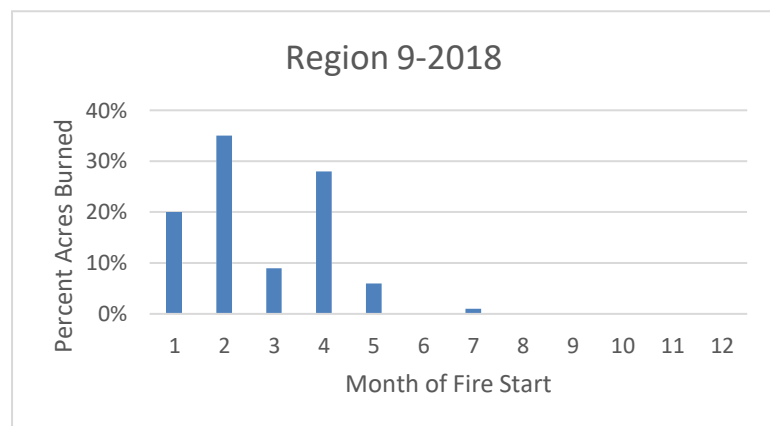
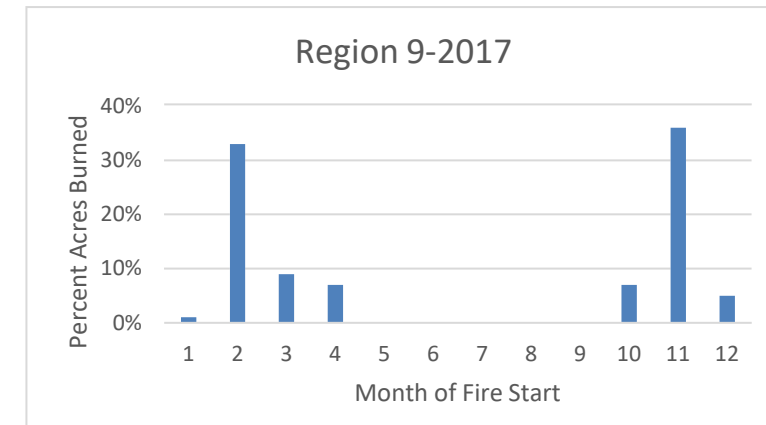
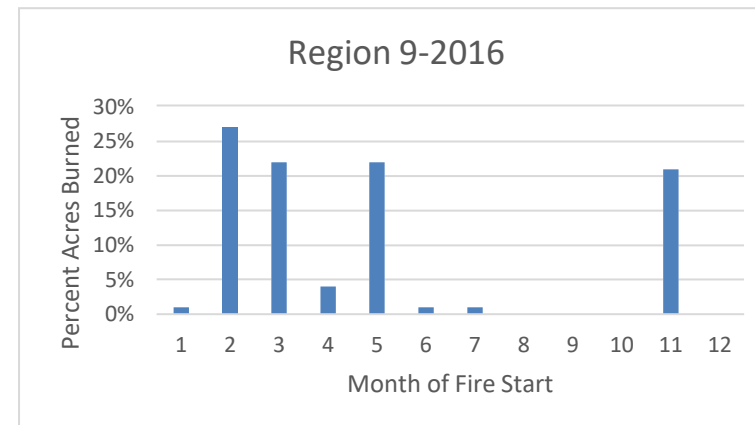
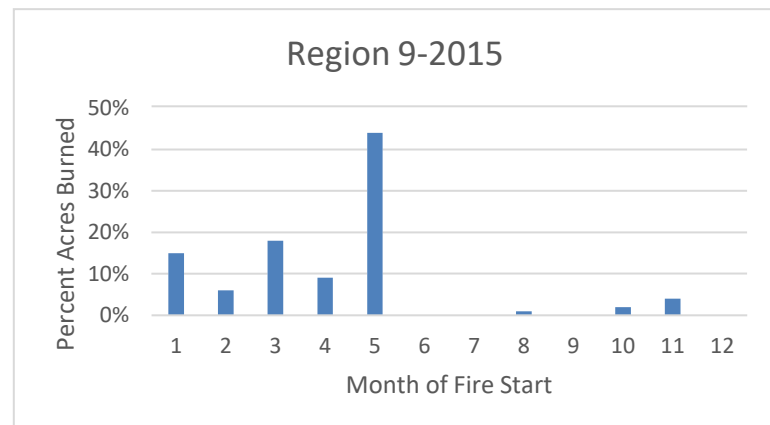
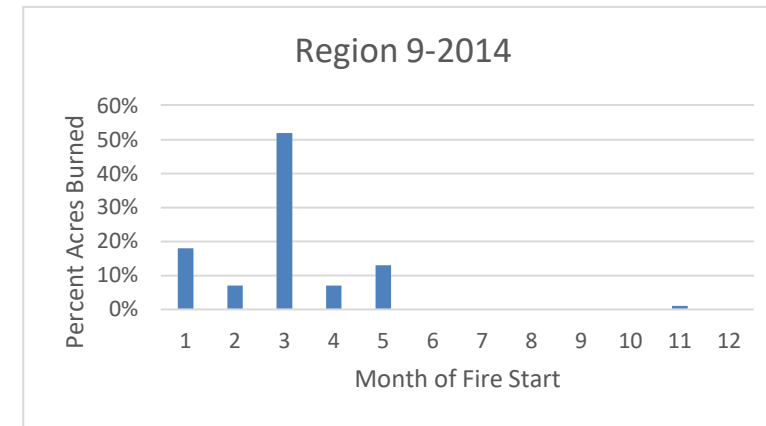
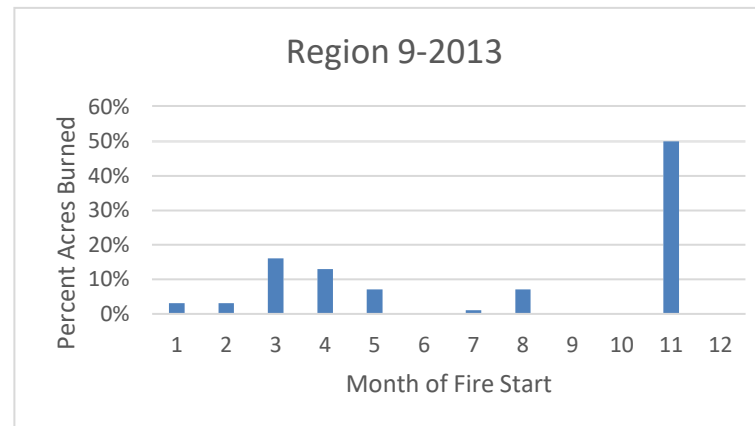
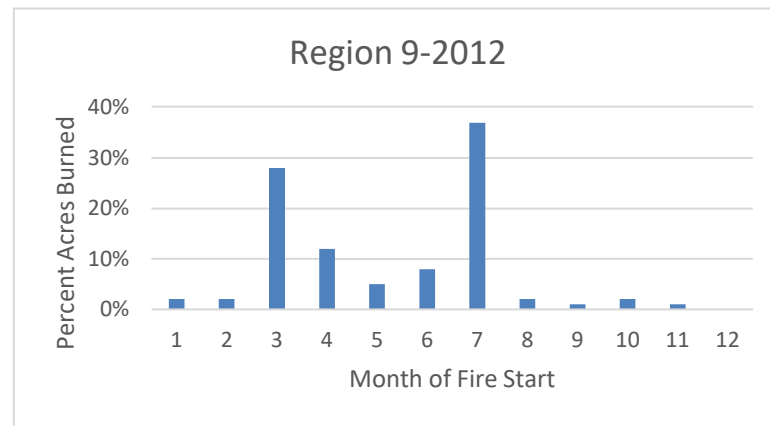
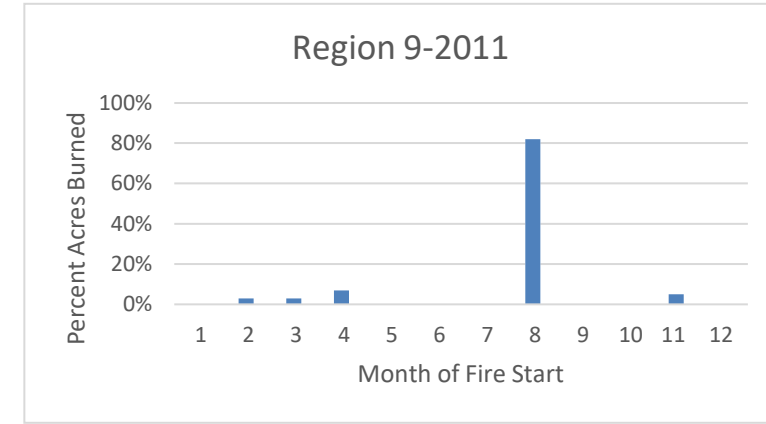
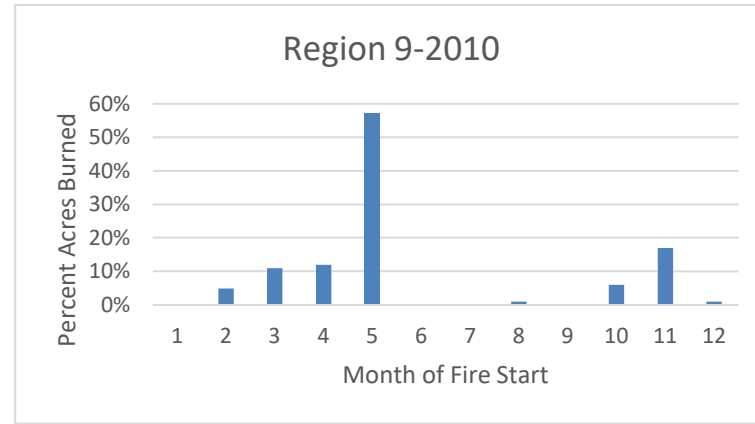
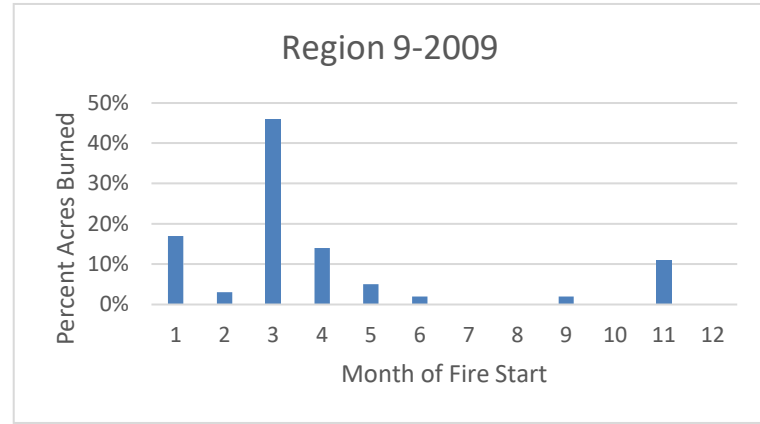


Percent Acres burned in Region 9 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	2%	0%	1%	1%	1%	1%	1%	0%	3%	17%	0%	0%	2%	3%	18%	15%	1%	1%	20%	0%
February	3%	7%	11%	0%	29%	3%	2%	0%	0%	3%	5%	3%	2%	3%	7%	6%	27%	33%	35%	1%
March	18%	35%	20%	27%	18%	39%	5%	2%	16%	46%	11%	3%	28%	16%	52%	18%	22%	9%	9%	41%
April	62%	24%	29%	59%	43%	23%	16%	7%	21%	14%	12%	7%	12%	13%	7%	9%	4%	7%	28%	31%
May	3%	2%	9%	3%	1%	6%	0%	88%	7%	5%	57%	0%	5%	7%	13%	44%	22%	0%	6%	1%
June	1%	1%	0%	3%	0%	1%	0%	0%	0%	2%	0%	0%	8%	0%	0%	0%	1%	0%	0%	0%
July	0%	1%	1%	1%	1%	1%	63%	1%	0%	0%	0%	0%	37%	1%	0%	0%	1%	0%	1%	0%
August	1%	4%	0%	0%	1%	14%	0%	0%	1%	0%	1%	82%	2%	7%	0%	1%	0%	0%	0%	0%
September	1%	0%	2%	1%	1%	1%	11%	0%	0%	2%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
October	6%	8%	0%	2%	1%	0%	0%	0%	1%	0%	6%	0%	2%	0%	0%	2%	0%	7%	0%	1%
November	3%	18%	23%	3%	4%	8%	1%	0%	51%	11%	17%	5%	1%	50%	1%	4%	21%	36%	0%	19%
December	0%	0%	4%	0%	0%	3%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	5%	0%	5%

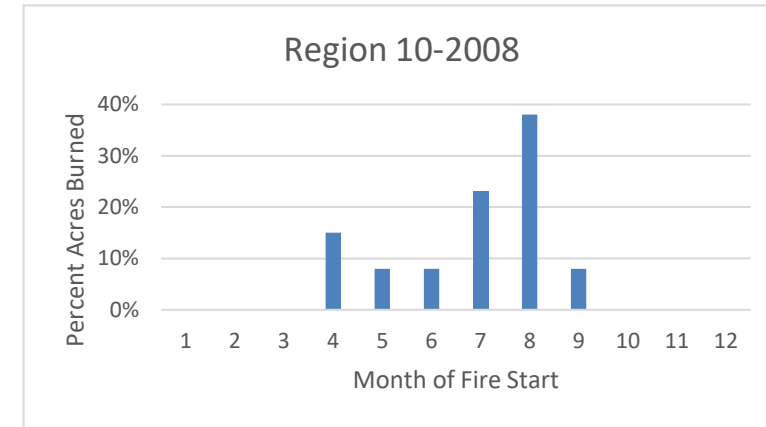
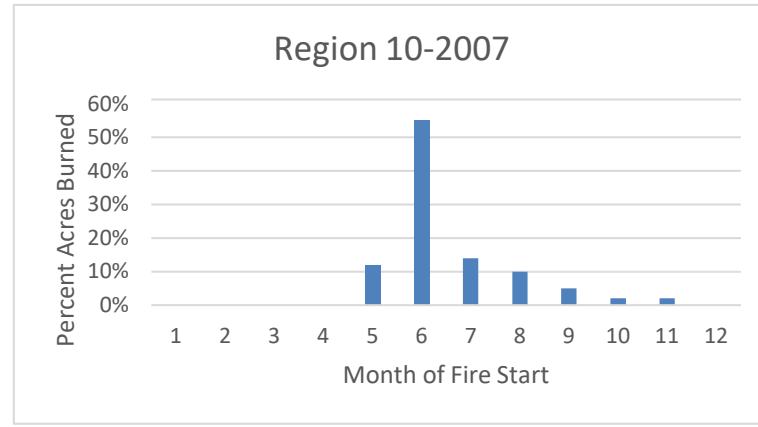
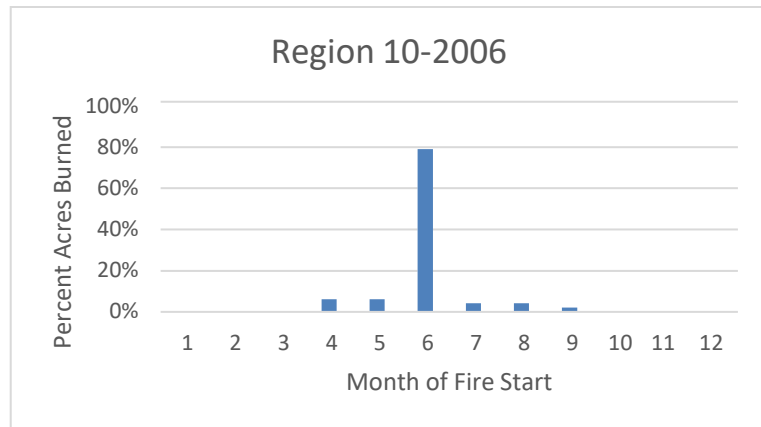
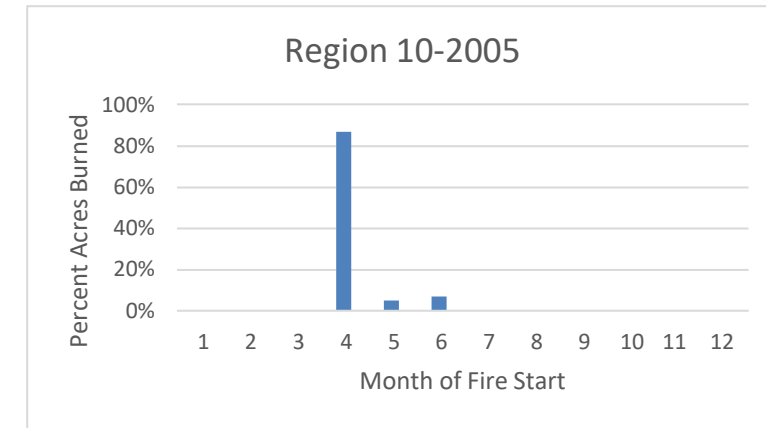
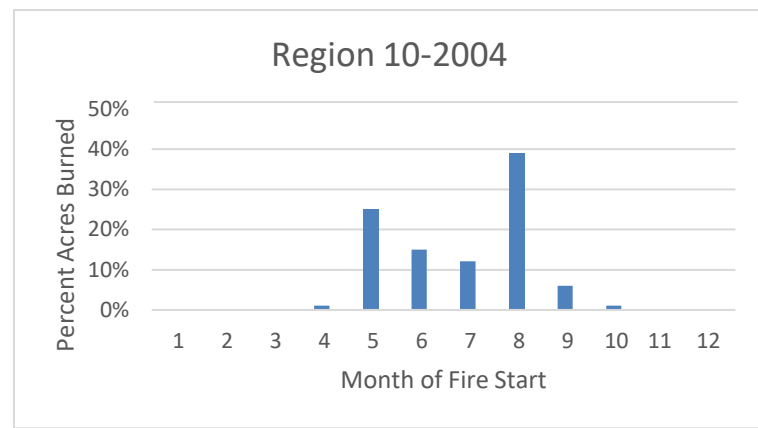
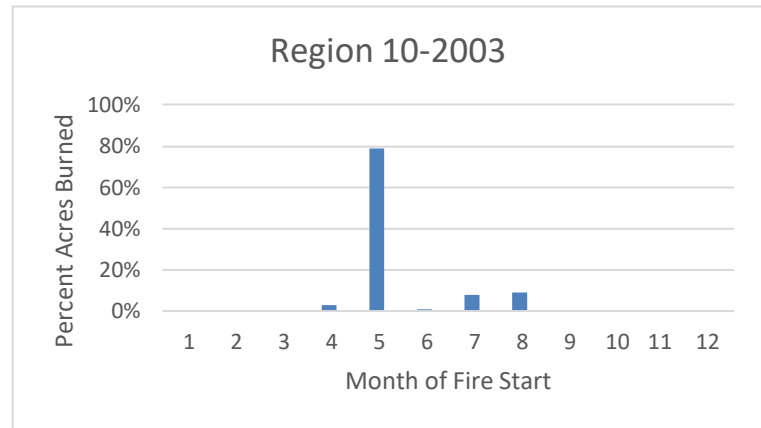
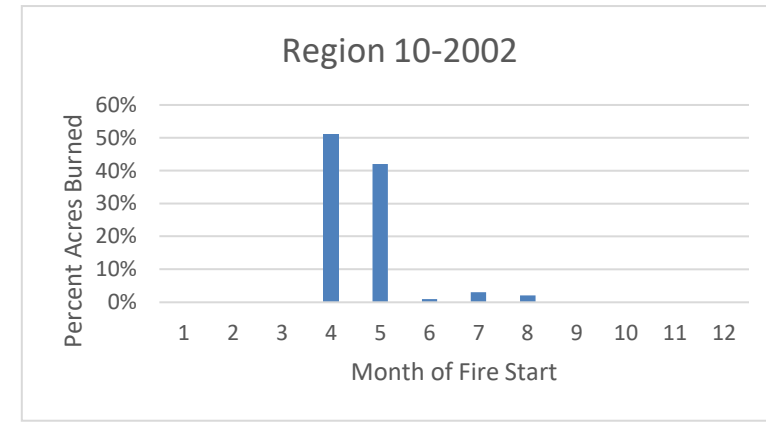
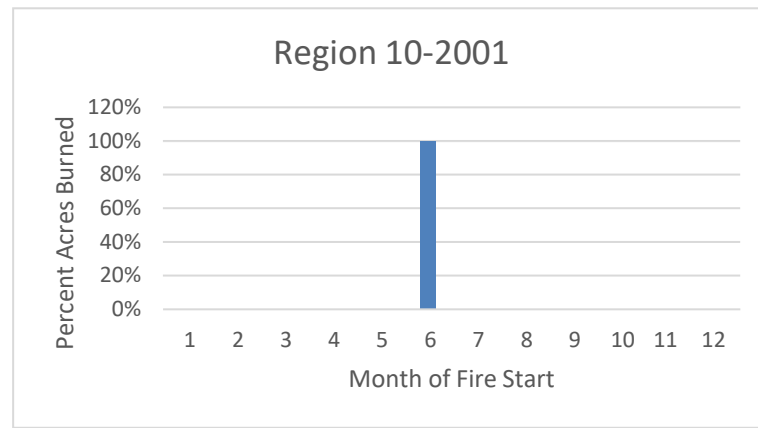
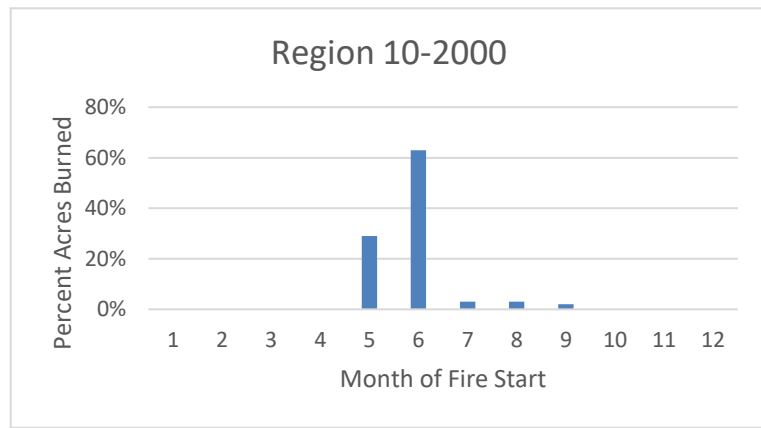


Percent Acres burned in Region 9 by month and year

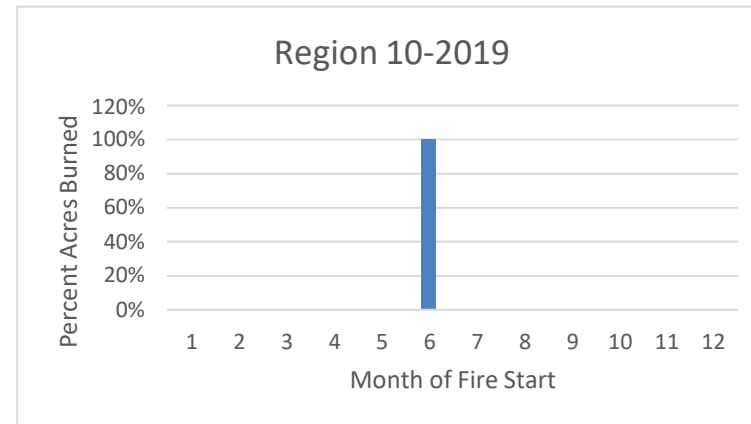
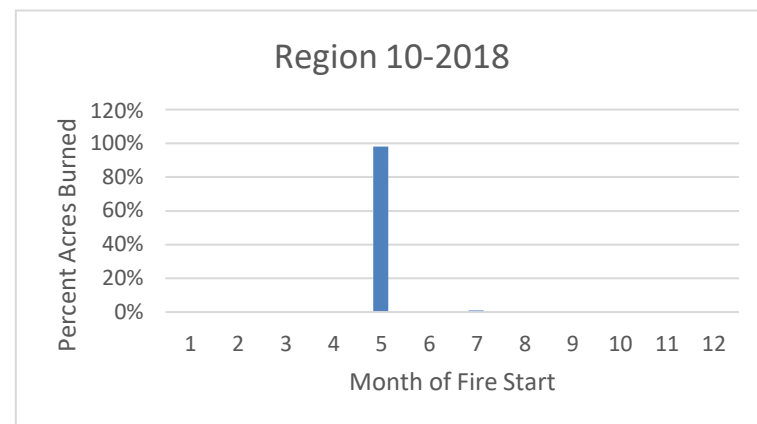
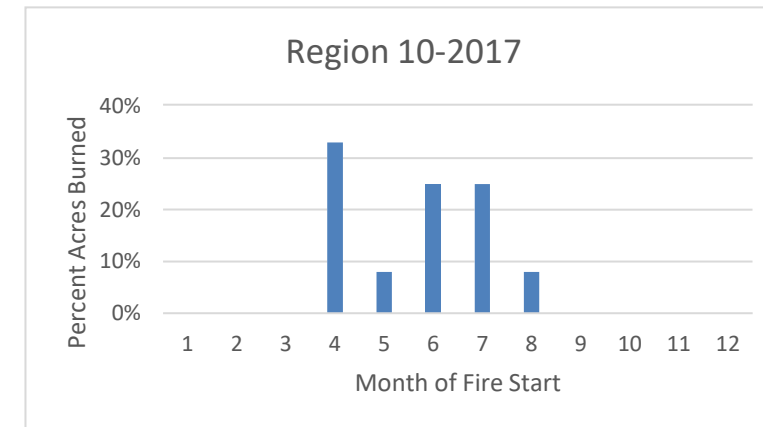
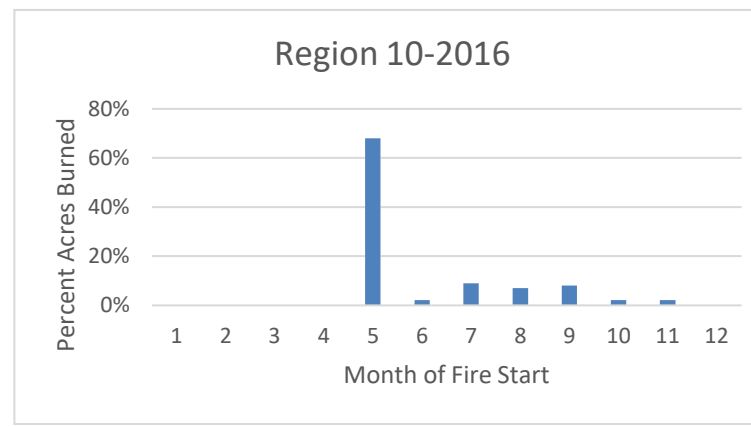
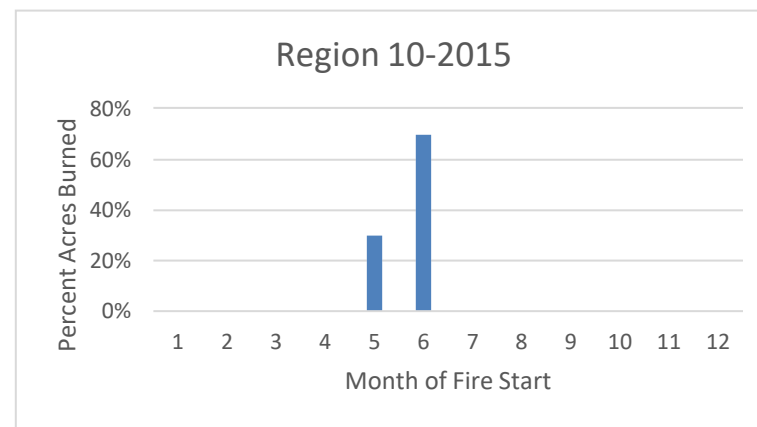
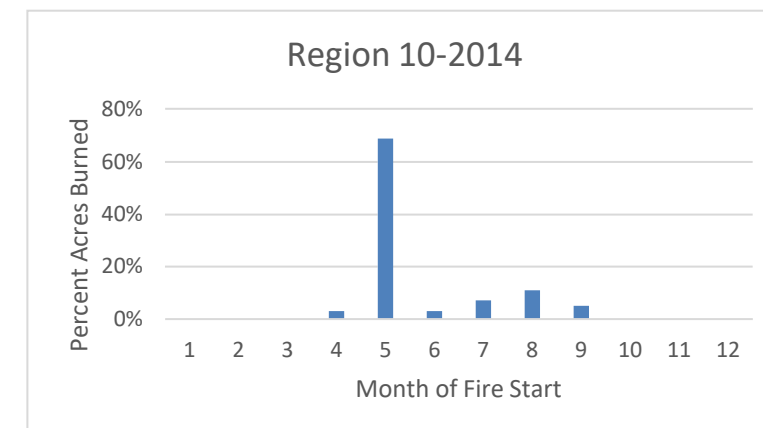
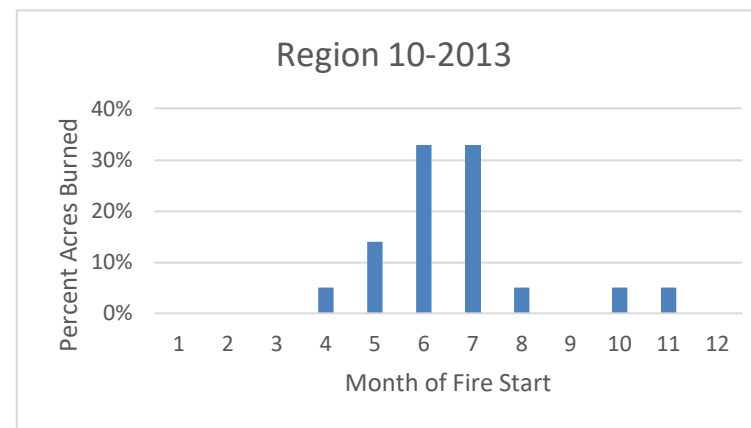
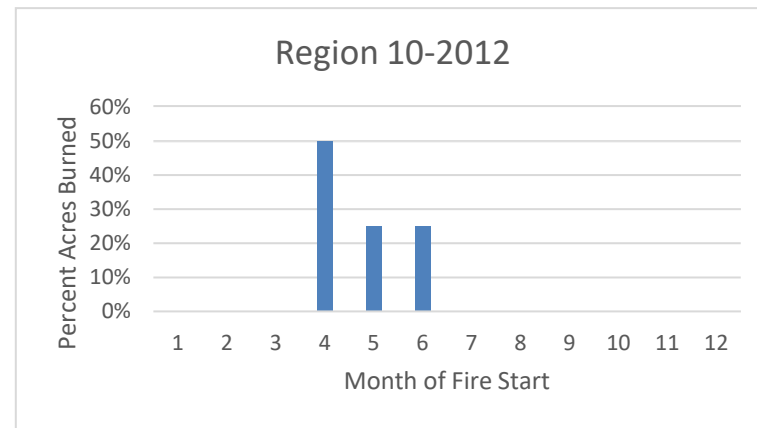
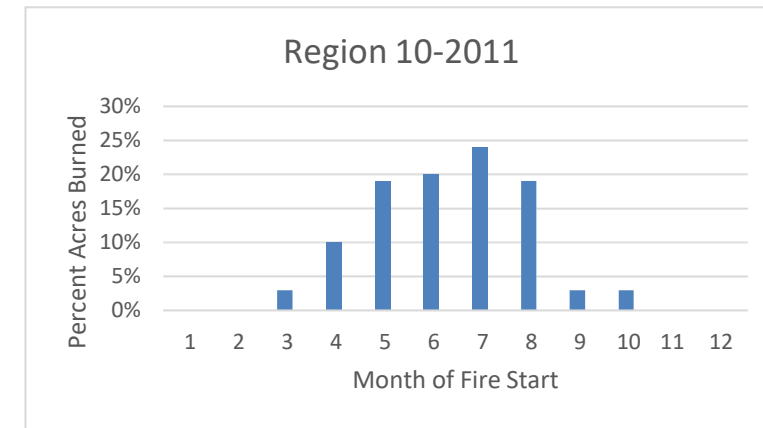
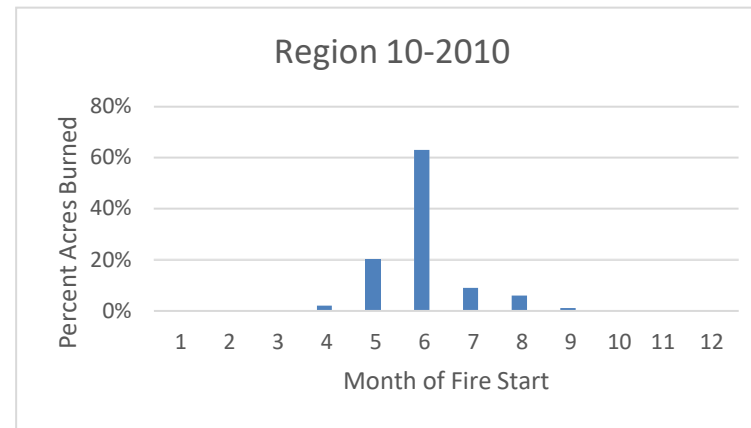
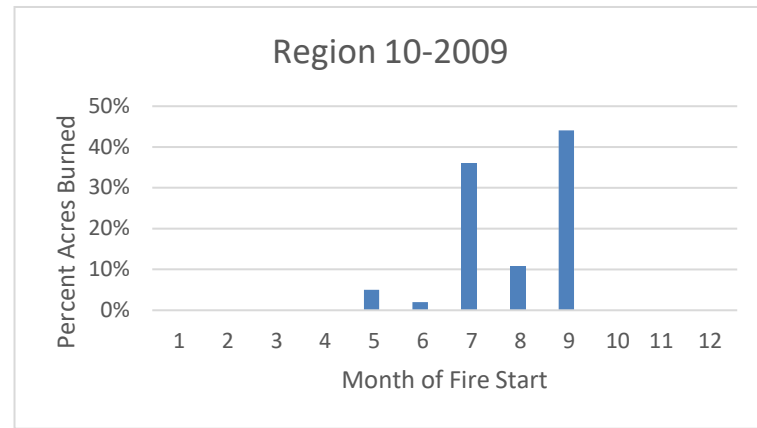


Percent Acres burned in Region 10 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
February	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
March	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%
April	0%	0%	51%	3%	1%	87%	6%	0%	15%	0%	2%	10%	50%	5%	3%	0%	0%	33%	0%	0%
May	29%	0%	42%	79%	25%	5%	6%	12%	8%	5%	20%	19%	25%	14%	69%	30%	68%	8%	98%	0%
June	63%	100%	1%	1%	15%	7%	79%	55%	8%	2%	63%	20%	25%	33%	3%	70%	2%	25%	0%	100%
July	3%	0%	3%	8%	12%	0%	4%	14%	23%	36%	9%	24%	0%	33%	7%	0%	9%	25%	1%	0%
August	3%	0%	2%	9%	39%	0%	4%	10%	38%	11%	6%	19%	0%	5%	11%	0%	7%	8%	0%	0%
September	2%	0%	0%	0%	6%	0%	2%	5%	8%	44%	1%	3%	0%	0%	5%	0%	8%	0%	0%	0%
October	0%	0%	0%	0%	1%	0%	0%	2%	0%	0%	0%	3%	0%	5%	0%	0%	2%	0%	0%	0%
November	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	5%	0%	0%	2%	0%	0%	0%
December	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

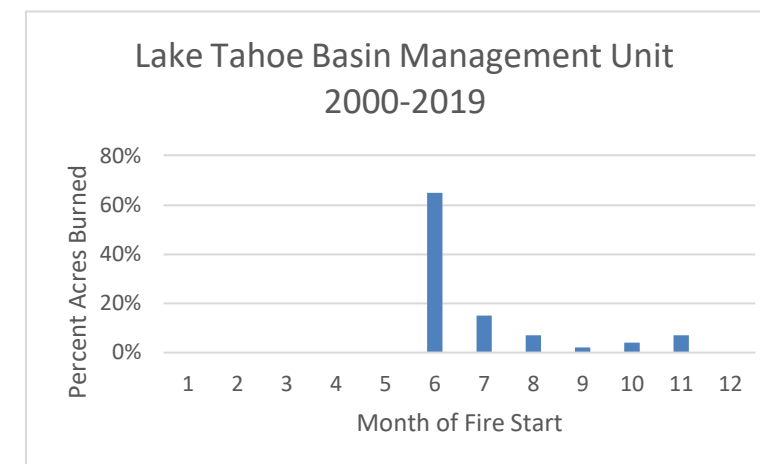
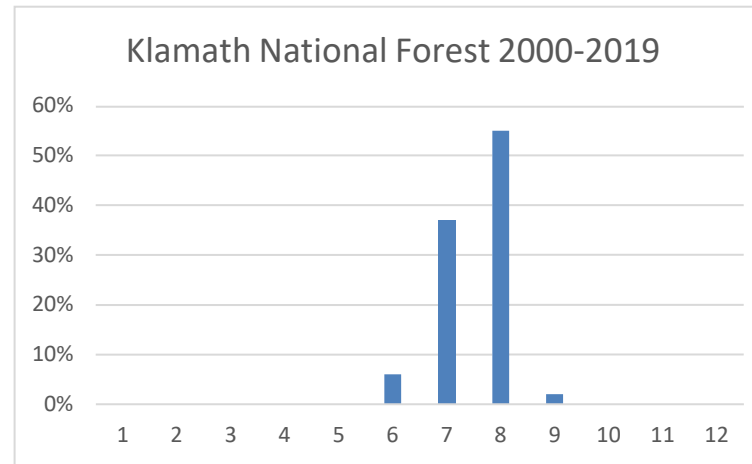
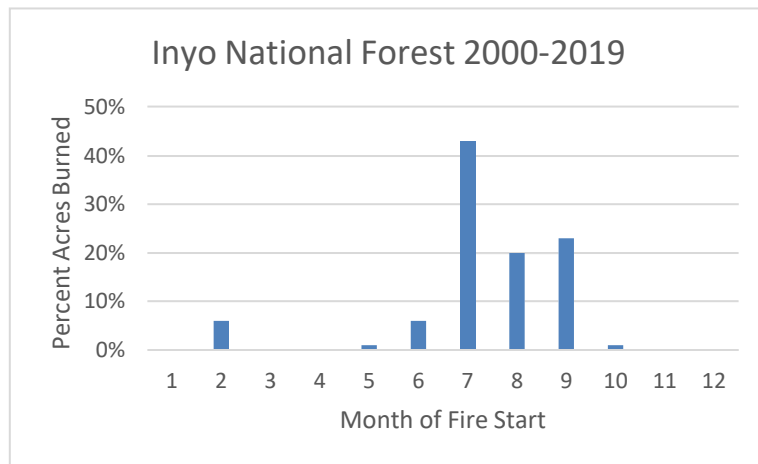
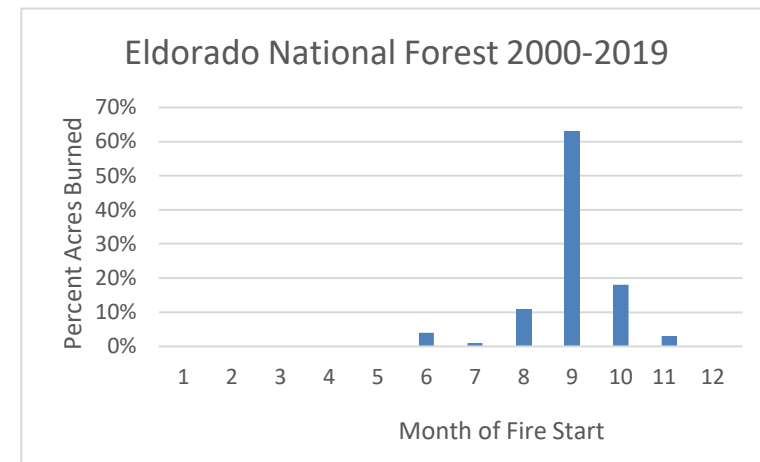
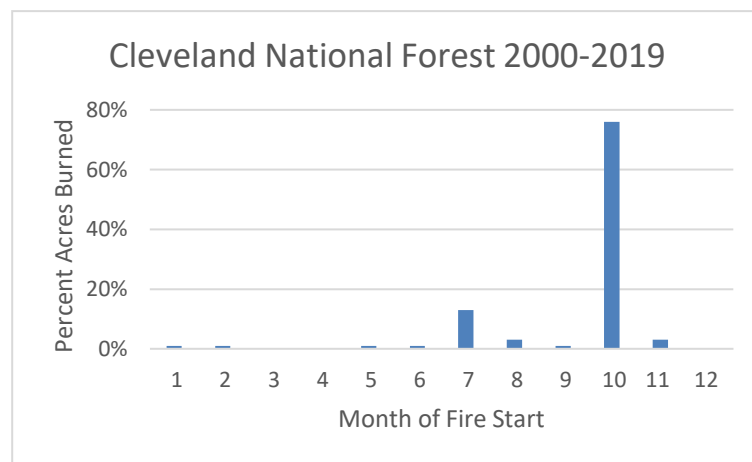
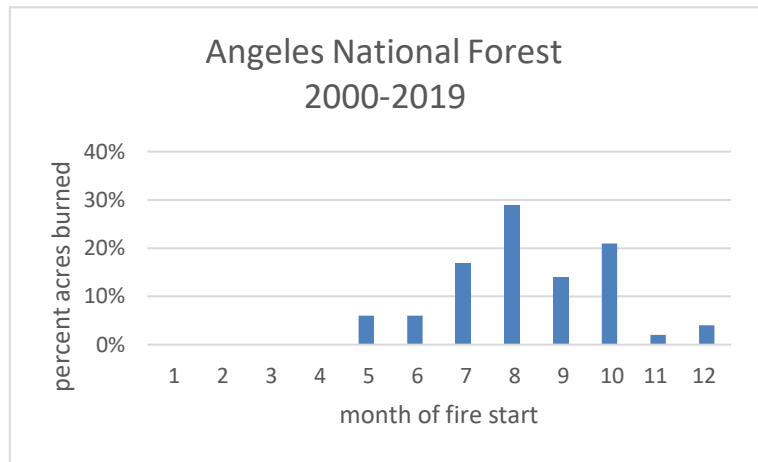


Percent Acres burned in Region 10 by month and year

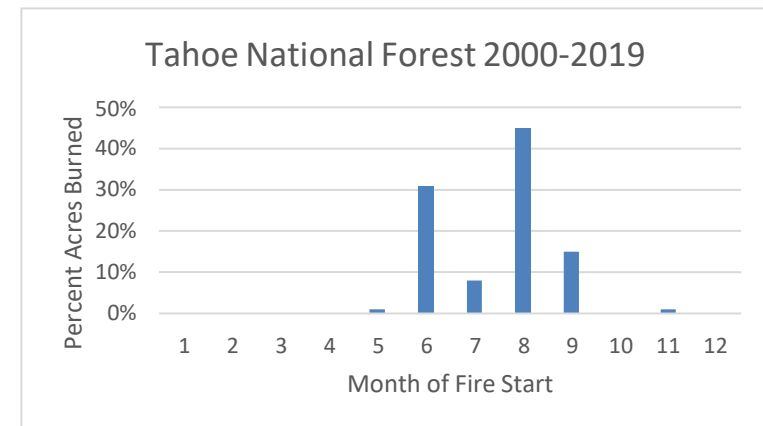
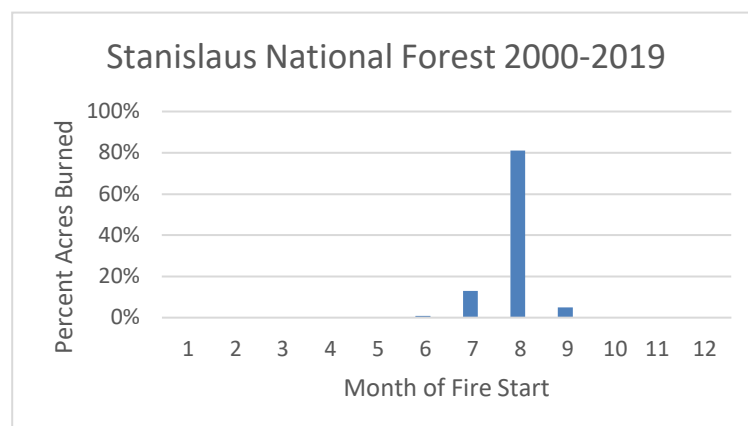
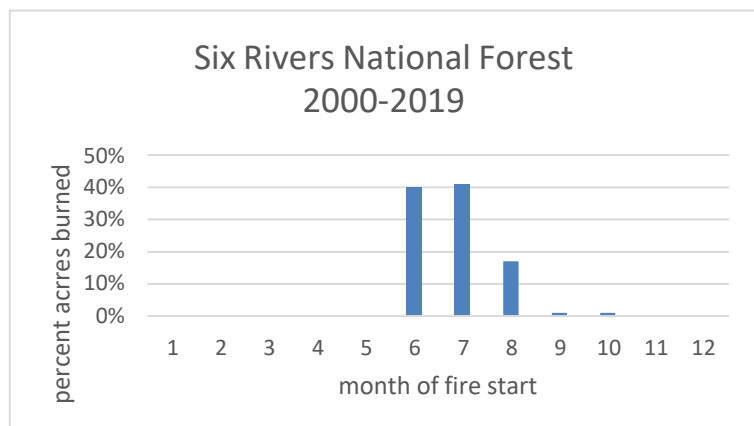
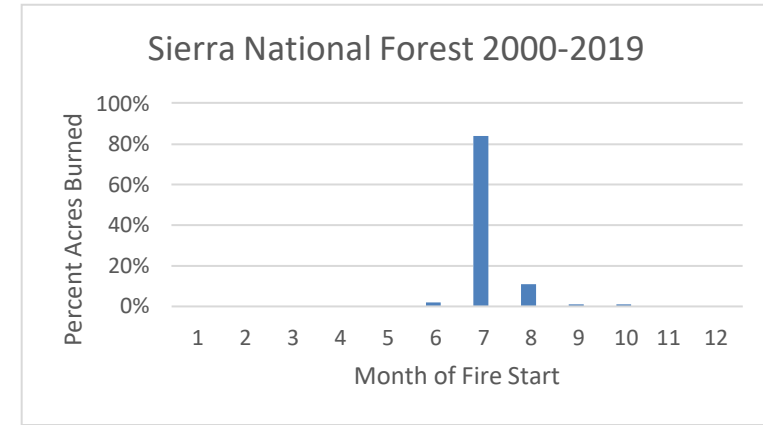
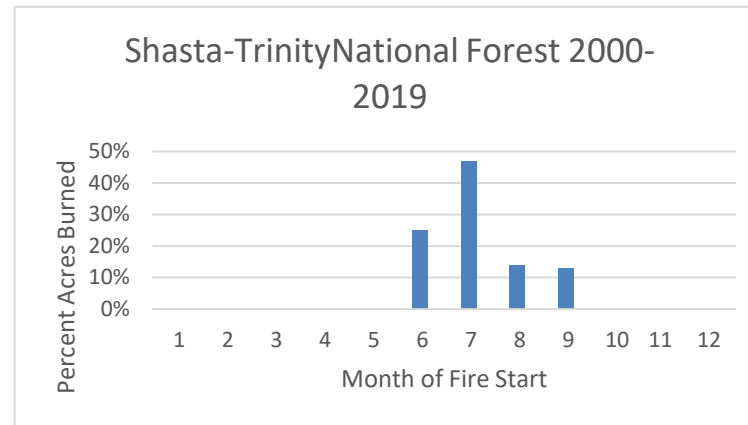
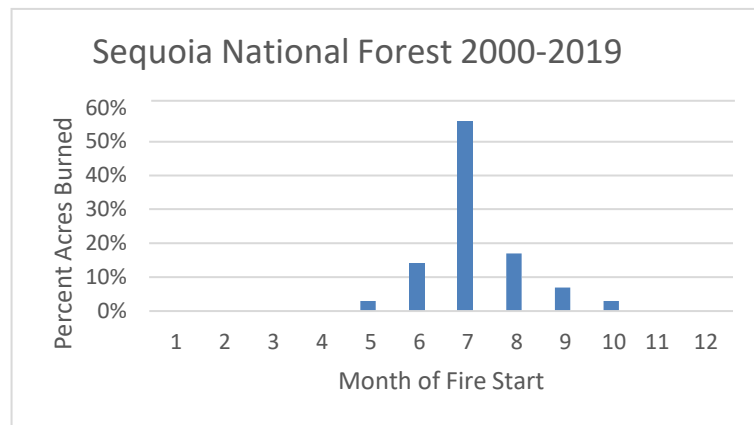
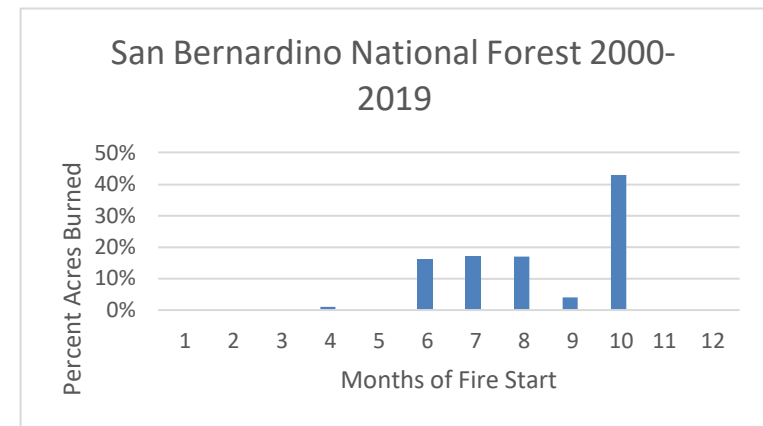
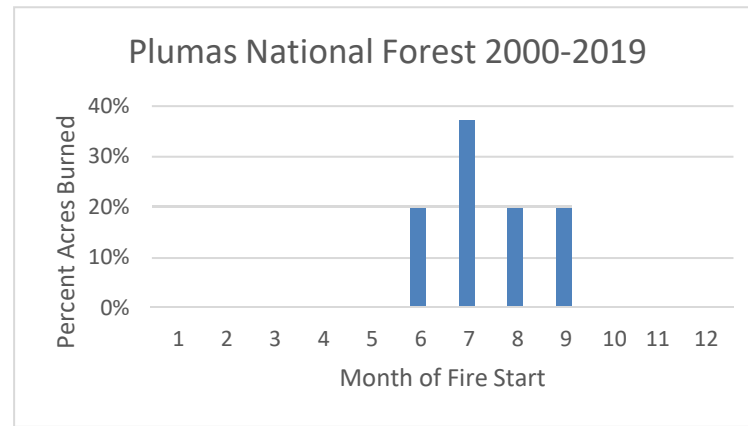
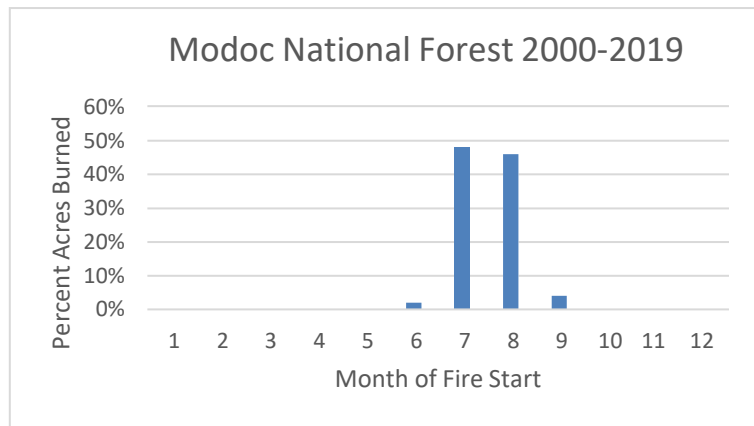
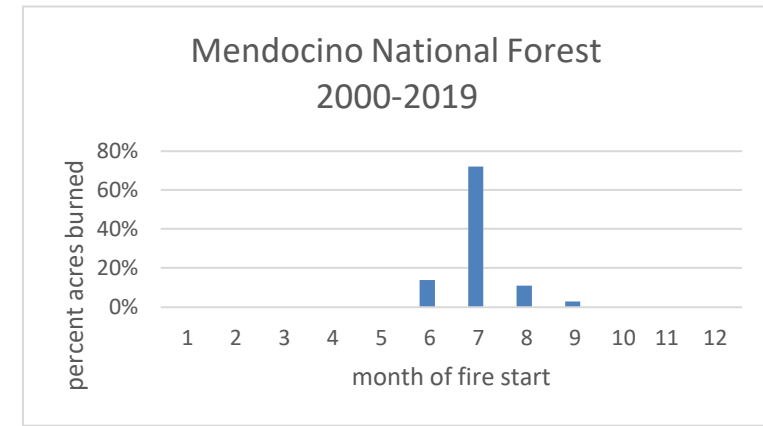
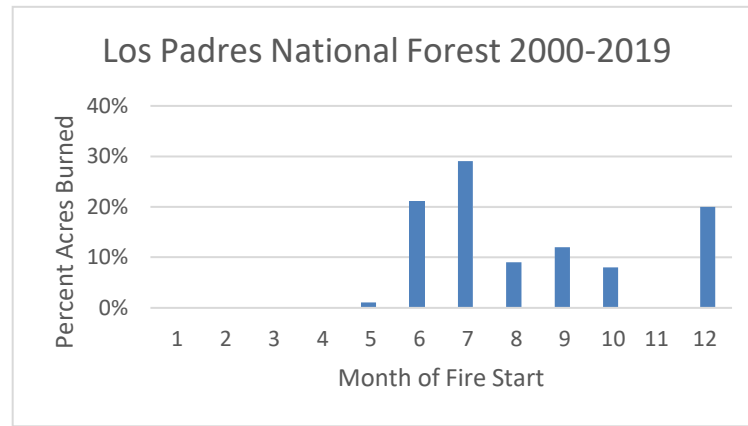
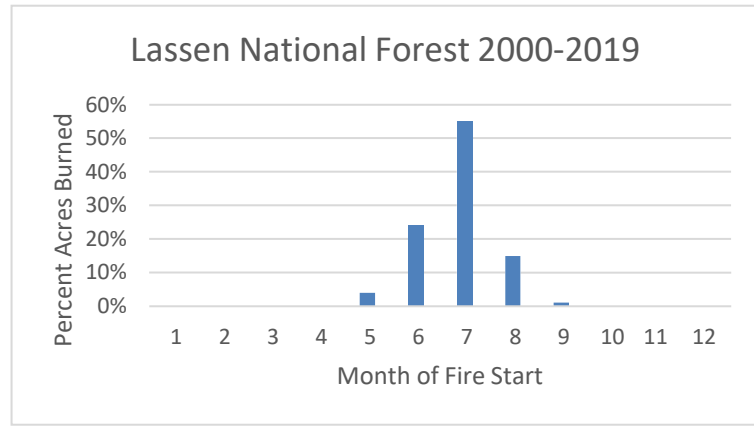


Region 5 Percent Acres burned by Month, by Forest for the period 2000-2019

Forest	January	February	March	April	May	June	July	August	September	October	November	December
Angeles	0%	0%	0%	0%	6%	6%	17%	29%	14%	21%	2%	4%
Cleveland	1%	1%	0%	0%	1%	1%	13%	3%	1%	76%	3%	0%
Eldorado	0%	0%	0%	0%	0%	4%	1%	11%	63%	18%	3%	0%
Inyo	0%	6%	0%	0%	1%	6%	43%	20%	23%	1%	0%	0%
Klamath	0%	0%	0%	0%	0%	6%	37%	55%	2%	0%	0%	0%
LTBMU	0%	0%	0%	0%	0%	65%	15%	7%	2%	4%	7%	0%
Lassen	0%	0%	0%	0%	4%	24%	55%	15%	1%	0%	0%	0%
Los Padres	0%	0%	0%	0%	1%	21%	29%	9%	12%	8%	0%	20%
Mendocino	0%	0%	0%	0%	0%	14%	72%	11%	3%	0%	0%	0%
Modoc	0%	0%	0%	0%	0%	2%	48%	46%	4%	0%	0%	0%
Plumas	0%	0%	0%	0%	0%	20%	37%	20%	22%	0%	0%	0%
San Bernardino	0%	0%	0%	1%	0%	16%	17%	17%	4%	43%	0%	0%
Sequoia	0%	0%	0%	0%	3%	14%	56%	17%	7%	3%	0%	0%
Shasta-Trinity	0%	0%	0%	0%	0%	25%	47%	14%	13%	0%	0%	0%
Sierra	0%	0%	0%	0%	0%	2%	84%	11%	1%	1%	0%	0%
Six Rivers	0%	0%	0%	0%	0%	40%	41%	17%	1%	1%	0%	0%
Stanislaus	0%	0%	0%	0%	0%	1%	13%	81%	5%	0%	0%	0%
Tahoe	0%	0%	0%	0%	1%	31%	8%	45%	15%	0%	1%	0%

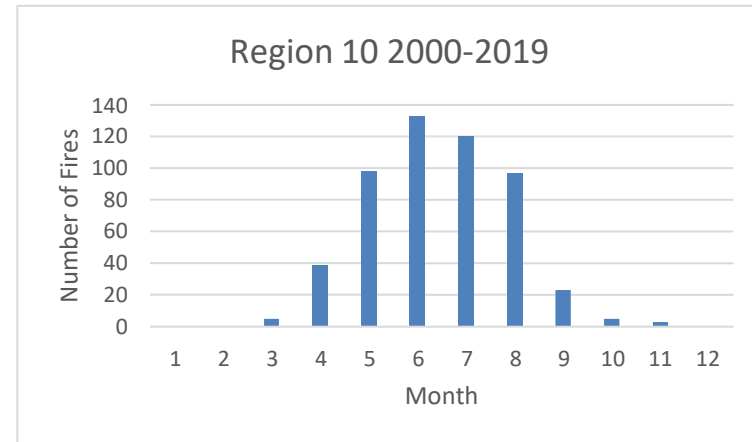
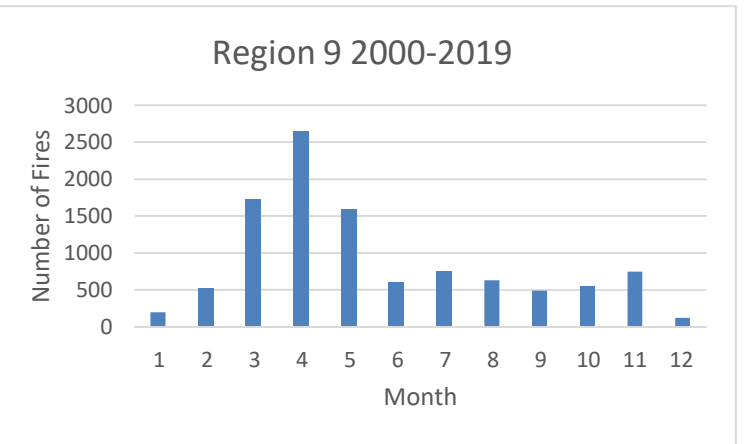
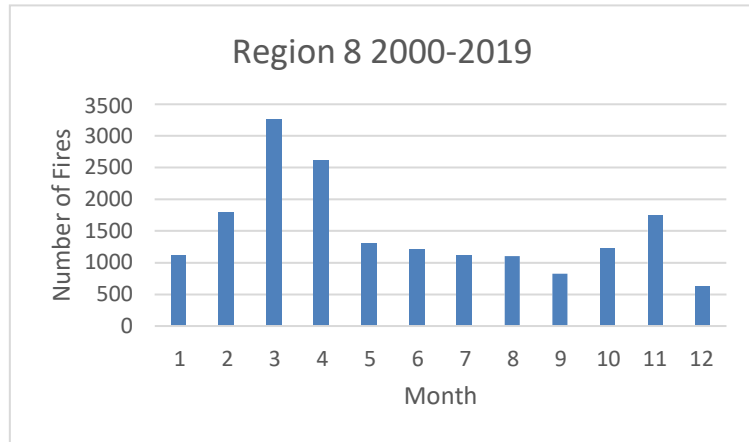
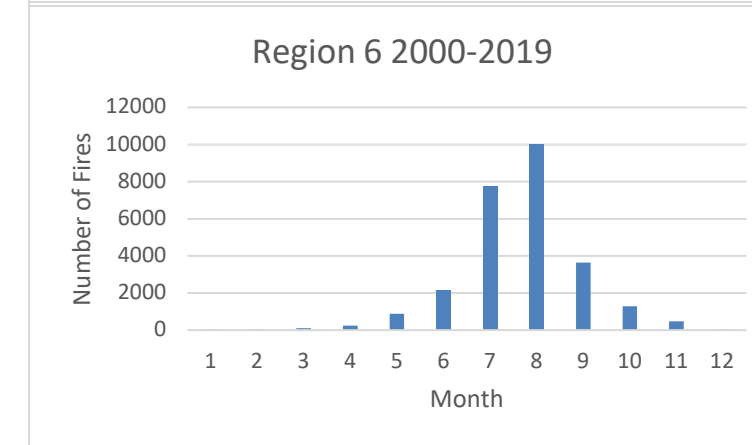
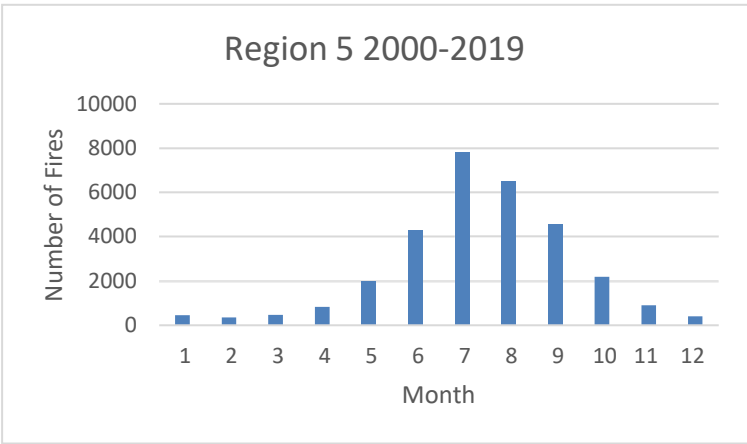
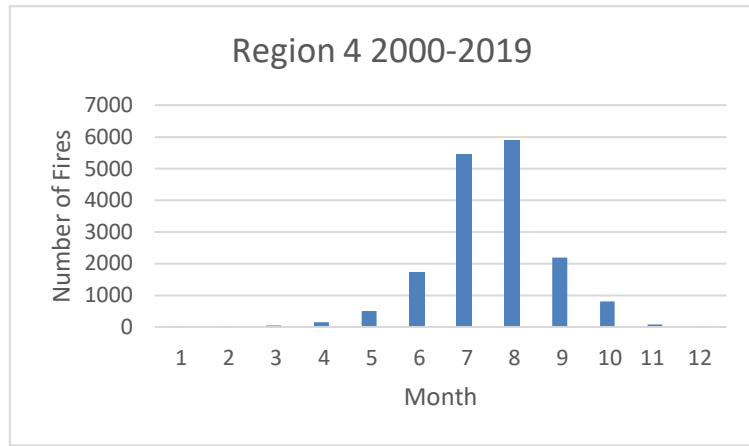
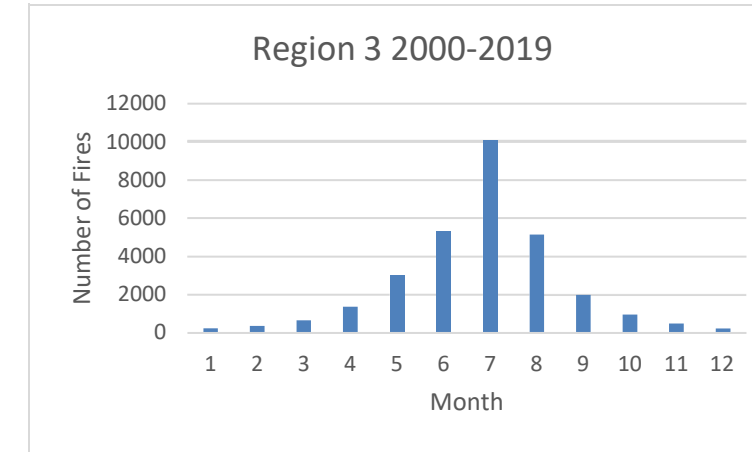
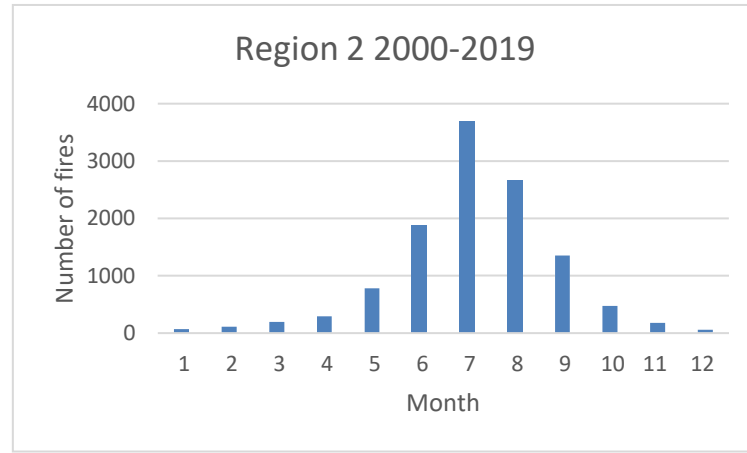
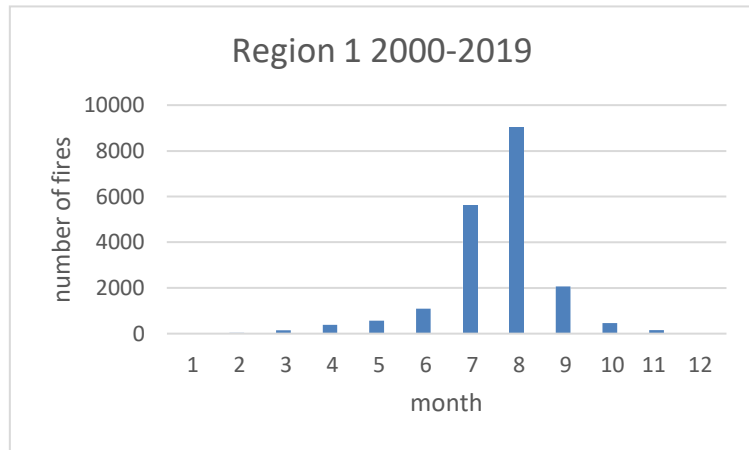


Region 5 Percent Acres burned by Month, by Forest for the period 2000-2019



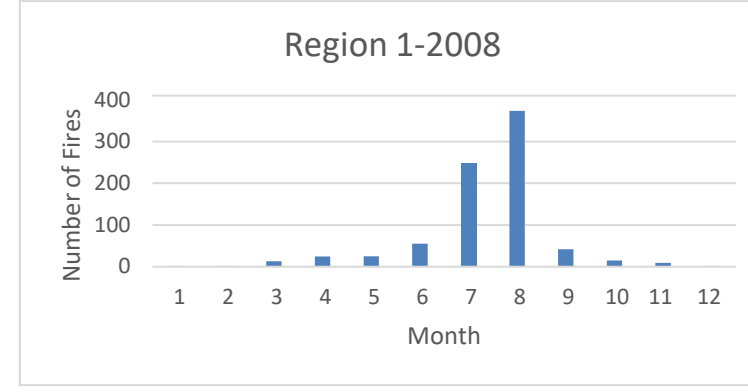
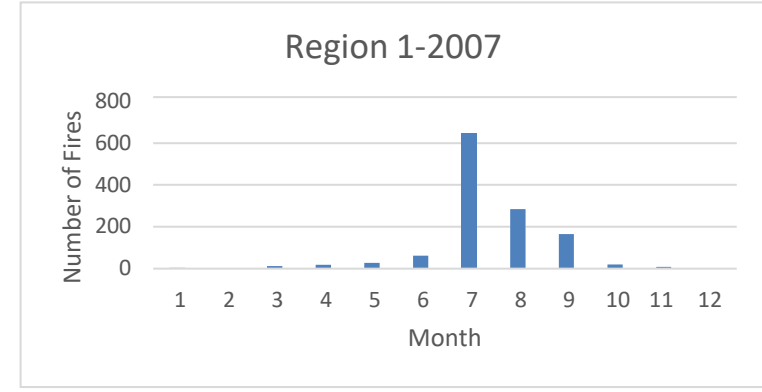
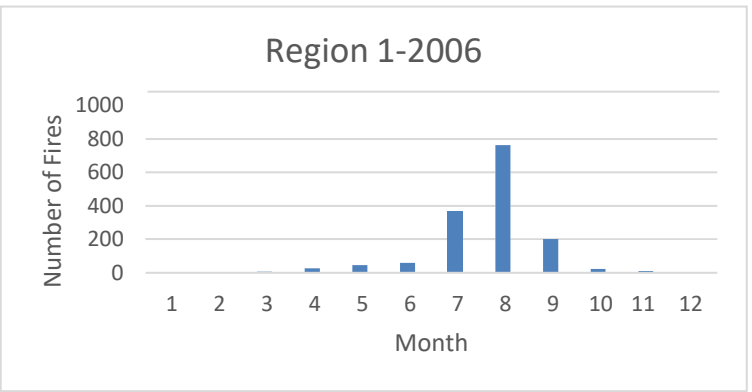
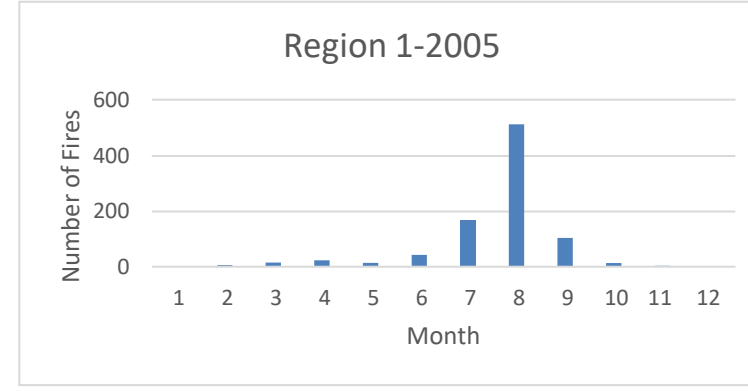
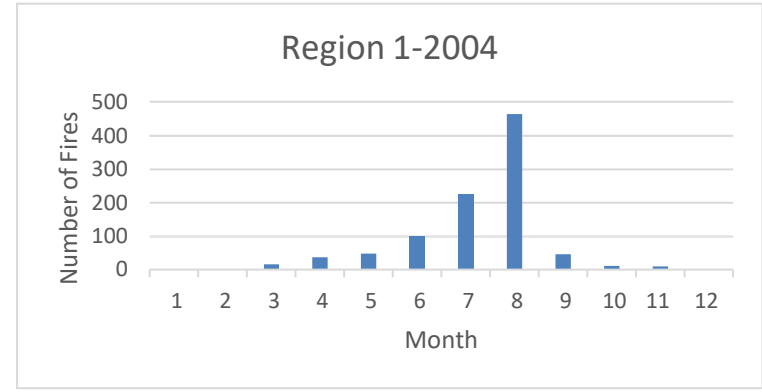
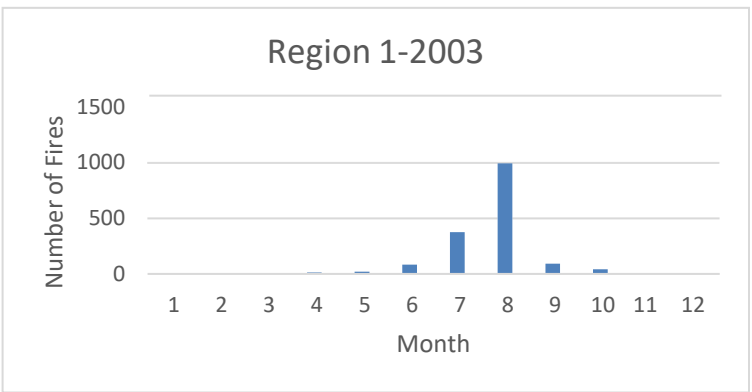
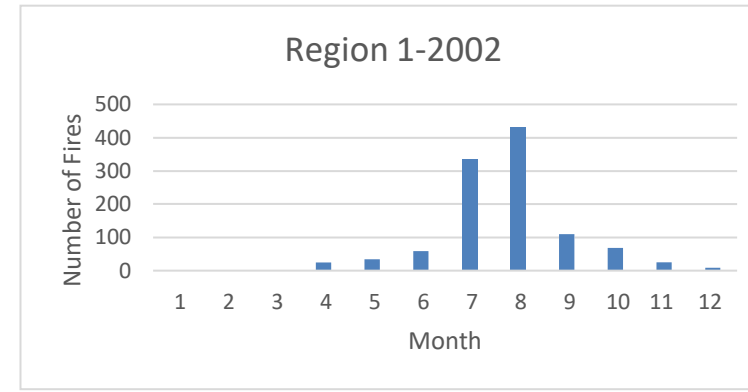
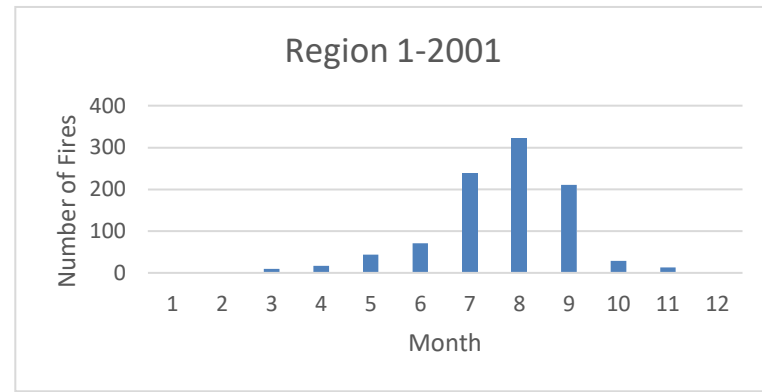
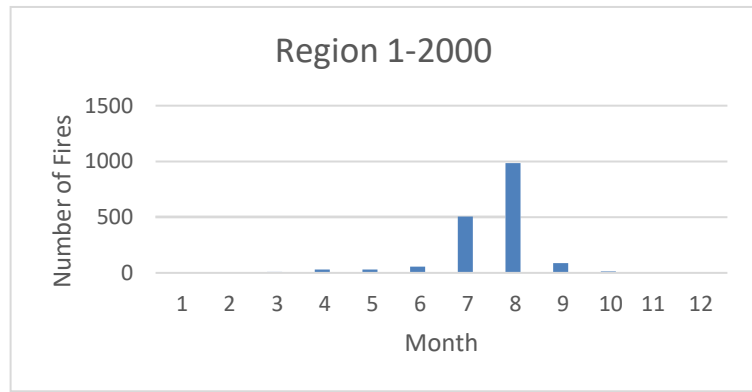
Fires burned by Month, by Region for the period 2000-2019

Region	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
1	21	32	153	384	561	1094	5612	9029	2068	473	163	26	19616
2	67	108	193	291	777	1886	3697	2662	1351	472	174	57	11735
3	240	359	660	1359	2988	5298	10066	5152	1977	963	488	217	29767
4	20	20	54	153	507	1734	5436	5890	2195	803	81	19	16912
5	453	345	464	835	1964	4317	7786	6518	4535	2186	904	403	30710
6	30	44	95	246	879	2138	7714	9991	3630	1289	481	41	26578
8	1123	1796	3264	2612	1309	1210	1108	1104	828	1227	1754	636	17971
9	200	520	1718	2647	1593	605	754	630	495	549	747	125	10583
10	0	0	5	39	98	133	120	97	23	5	3	0	523

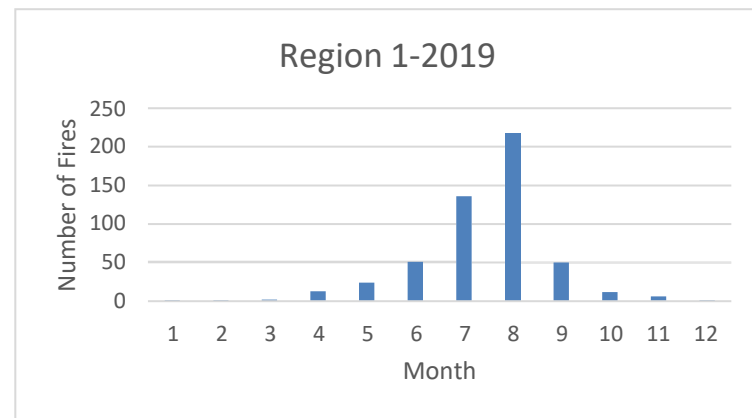
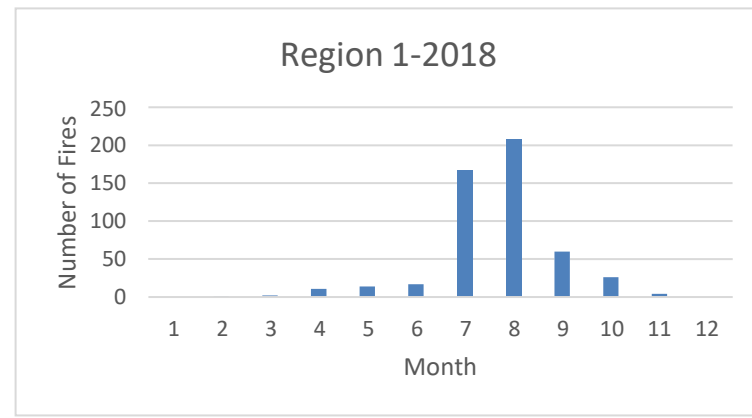
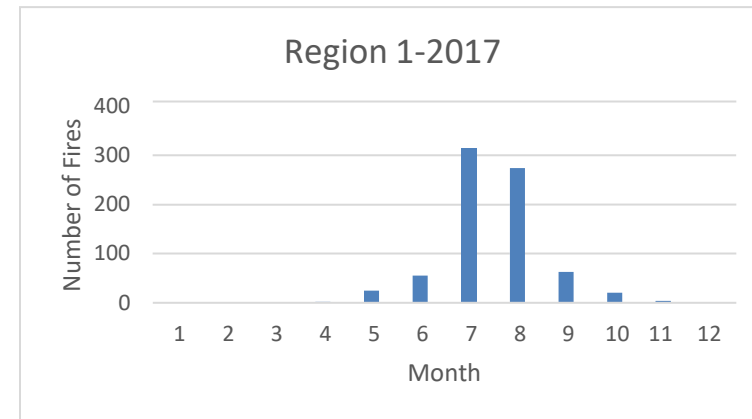
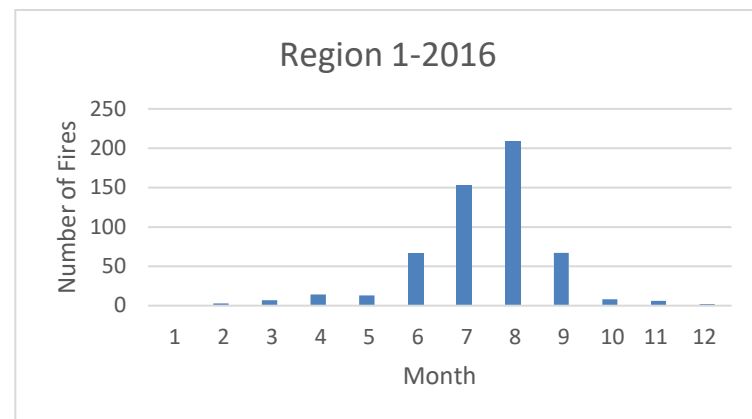
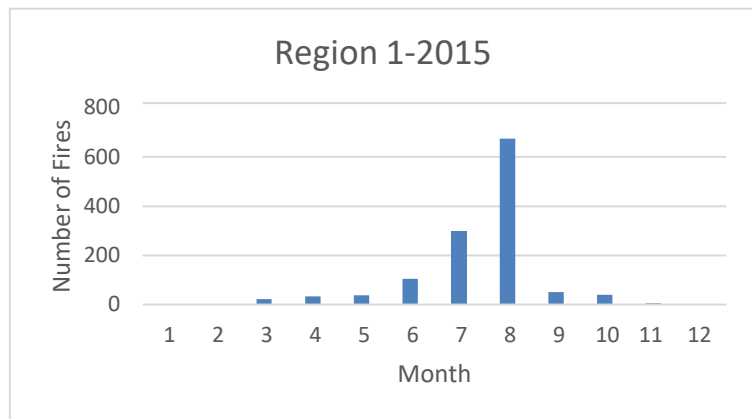
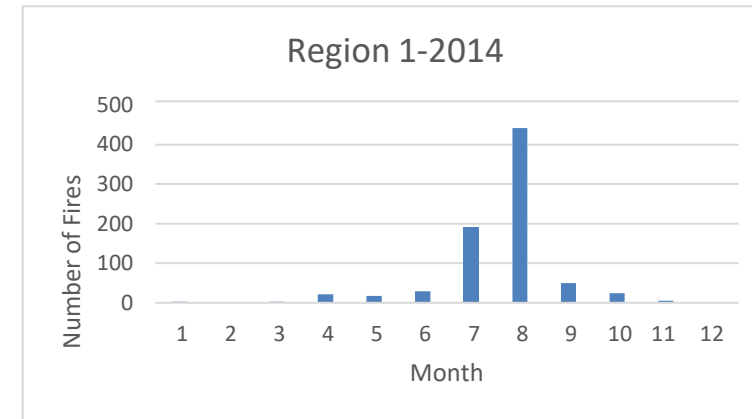
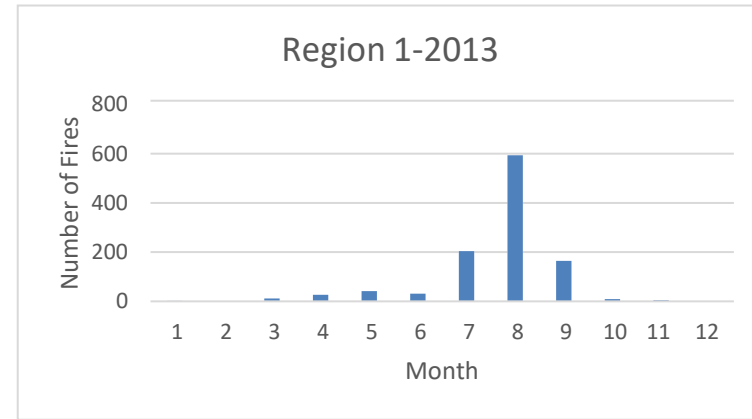
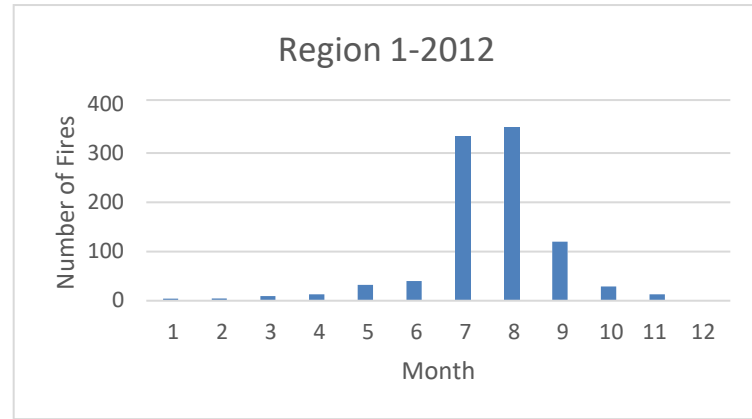
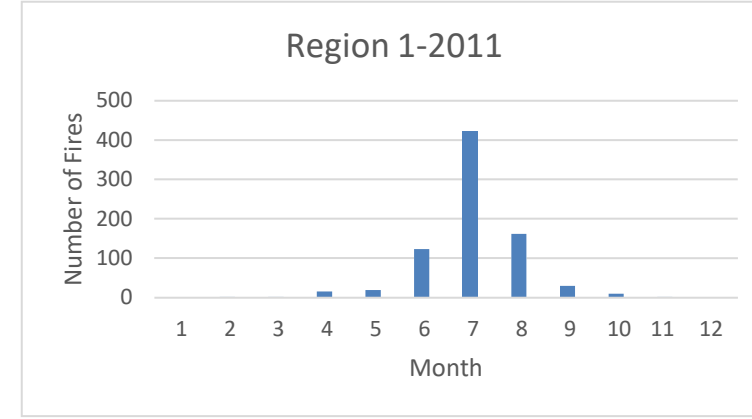
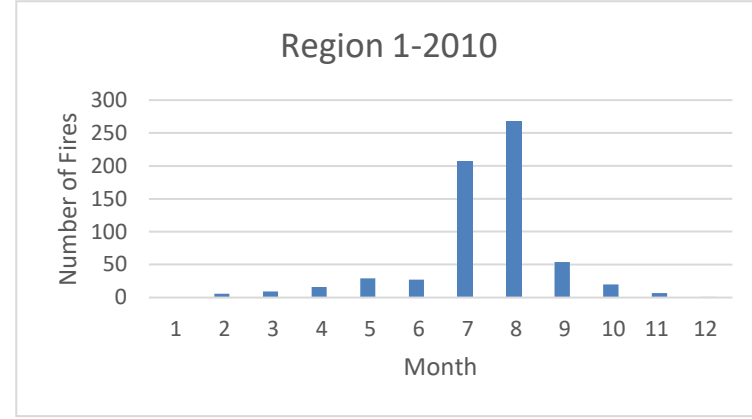
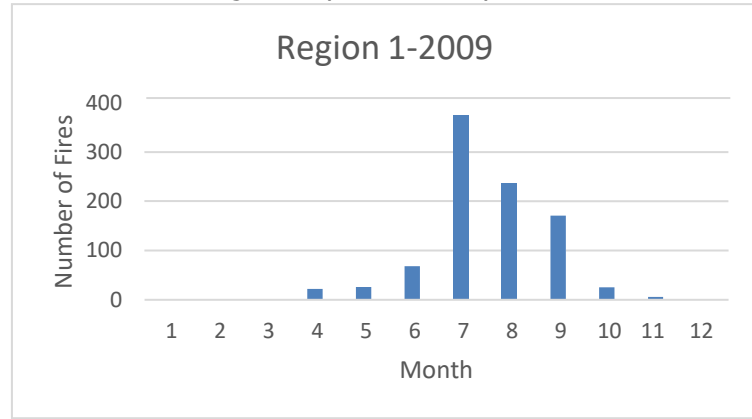


Fires burned in Region 1 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	1	1	1	1	0	0	0	2	2	1	0	1	4	2	3	1	0	0	0	1
February	0	0	0	0	0	6	3	0	2	0	6	2	5	0	1	2	3	0	1	1
March	9	10	0	4	16	15	6	12	13	0	9	2	9	12	3	23	7	1	2	2
April	28	17	24	13	37	23	26	18	24	22	16	16	13	26	22	33	14	2	11	13
May	28	44	34	19	48	14	45	27	25	26	29	19	32	42	18	38	13	25	14	24
June	55	71	59	83	99	43	59	61	55	68	27	123	40	32	29	104	67	55	17	51
July	507	239	335	374	226	167	370	646	248	375	207	423	334	205	190	298	153	313	166	136
August	985	321	432	993	466	515	762	284	374	236	268	162	353	594	442	674	209	274	207	217
September	85	211	110	92	46	104	200	165	42	171	54	30	120	165	50	51	67	63	60	50
October	10	29	68	41	11	13	23	20	15	25	20	10	29	9	24	39	8	21	26	12
November	7	13	25	7	10	4	9	7	9	6	7	2	13	5	6	5	6	4	4	6
December	1	1	9	3	1	0	0	0	2	0	1		0	1	1	1	2	0	0	1
TOTAL	1716	957	1097	1630	960	904	1503	1242	811	930	644	790	952	1093	789	1269	549	758	508	514

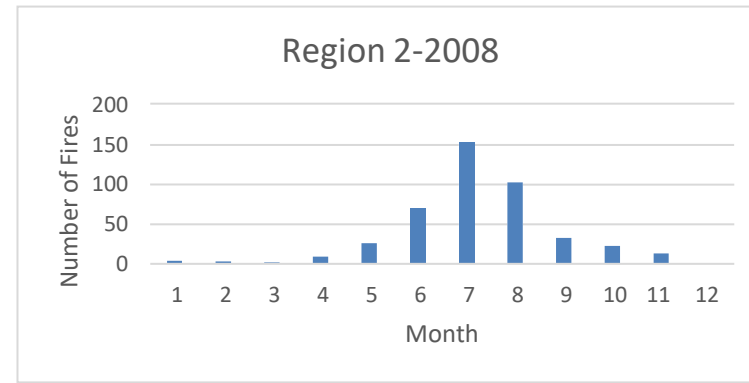
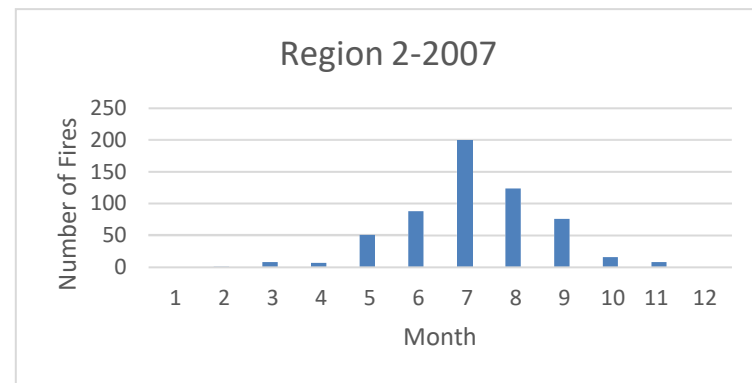
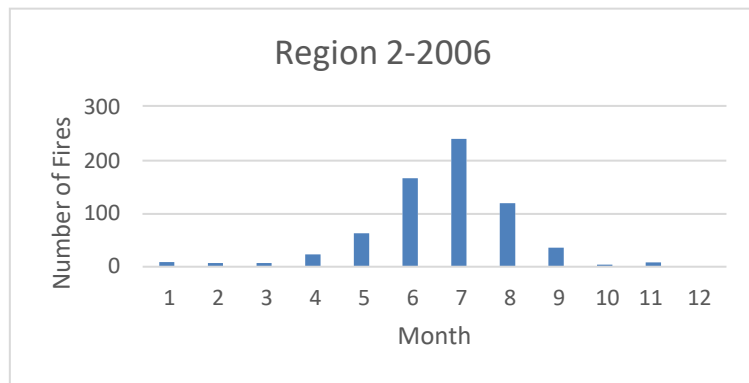
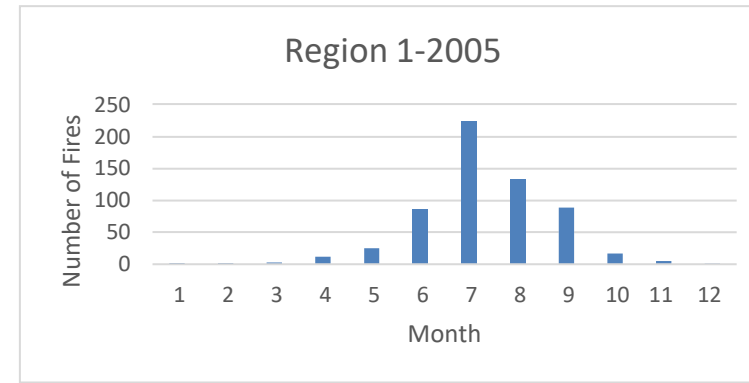
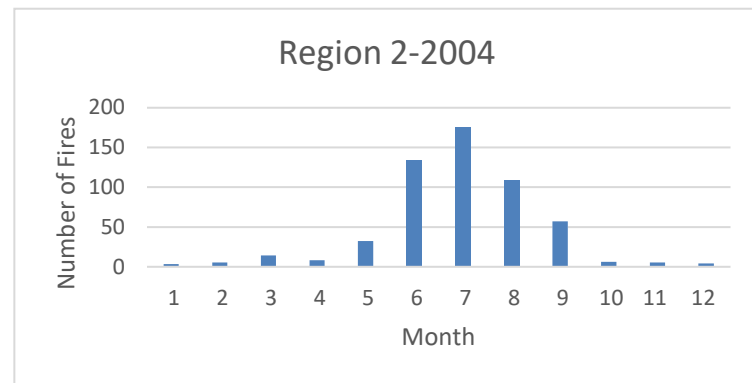
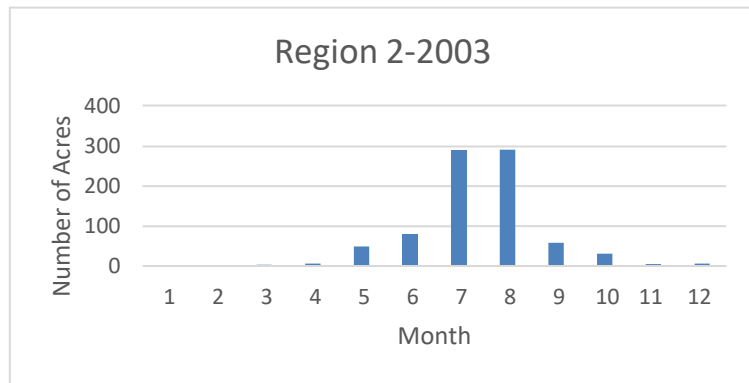
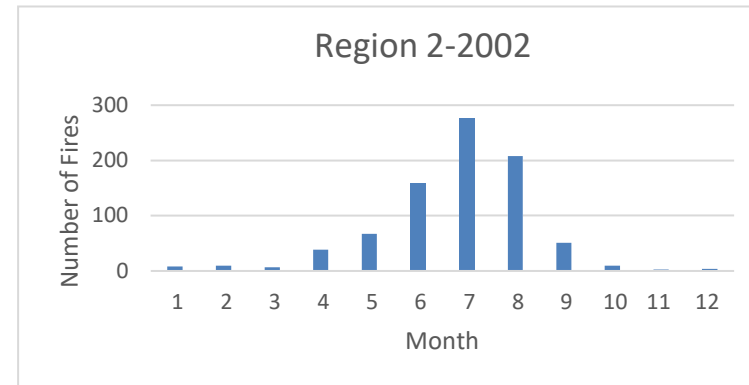
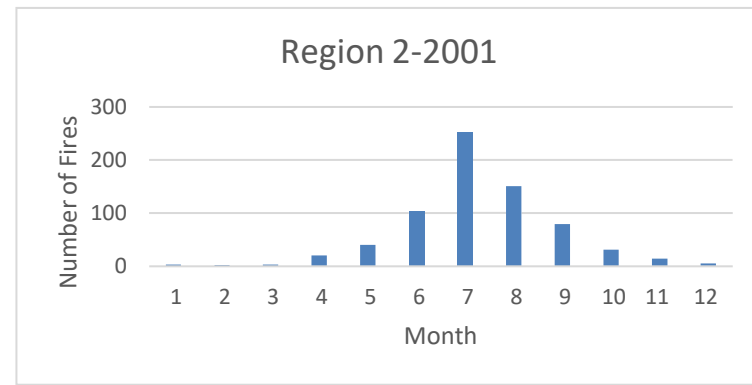
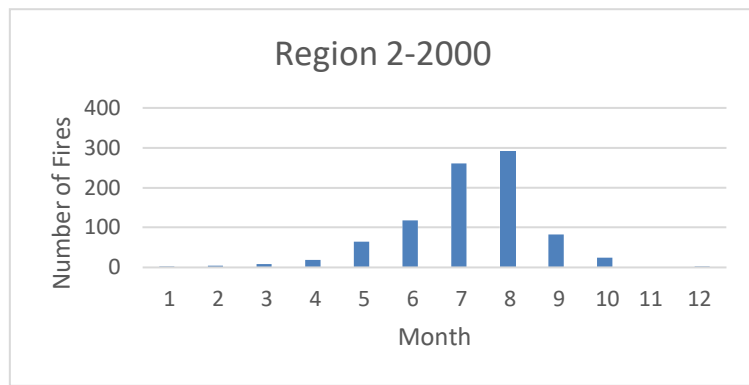


Fires burned in Region 1 by month and year

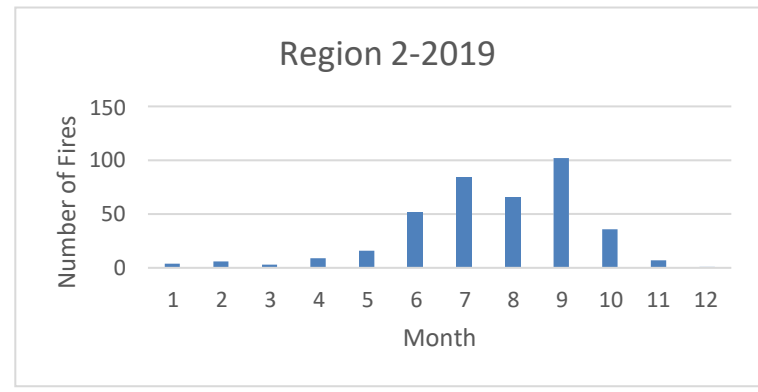
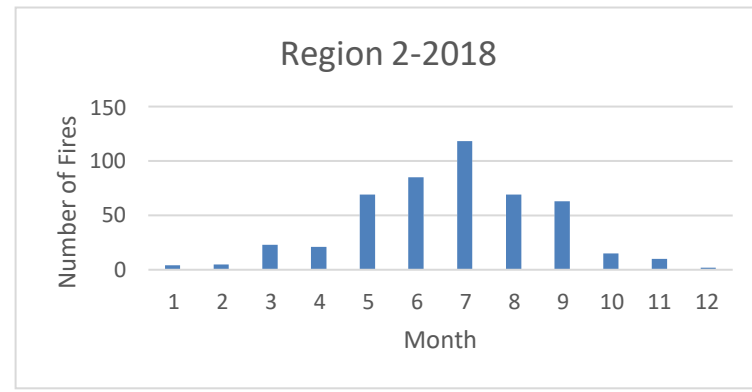
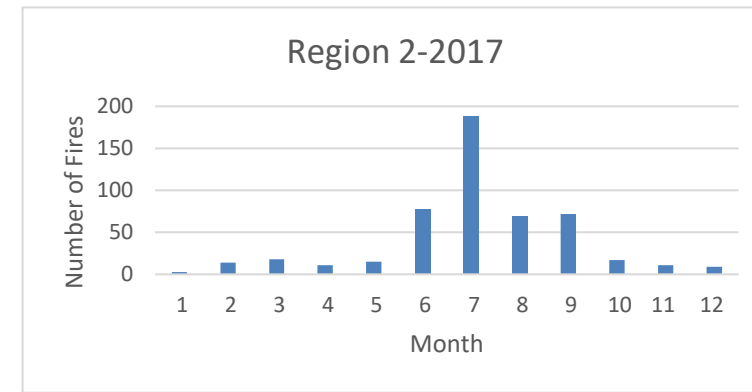
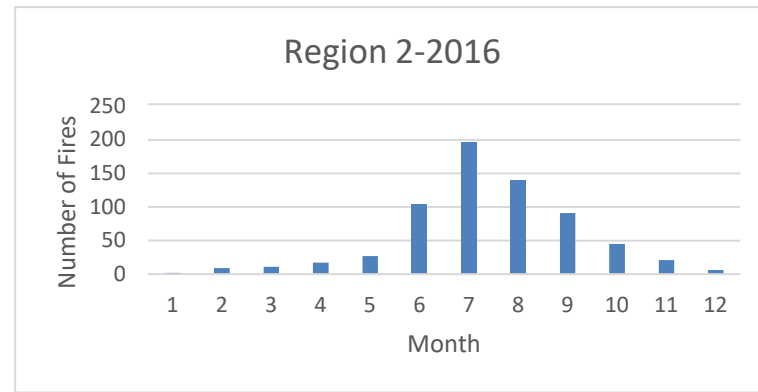
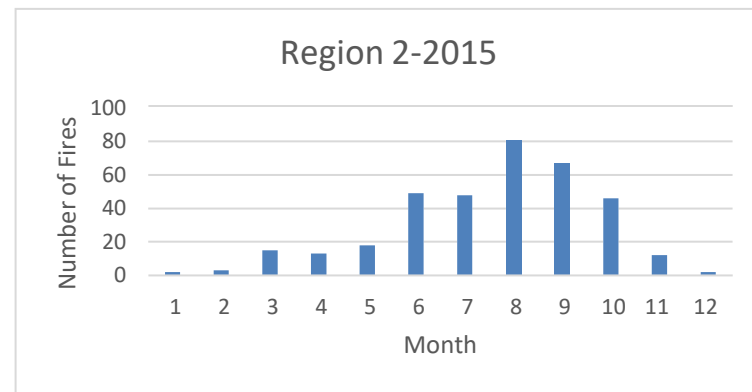
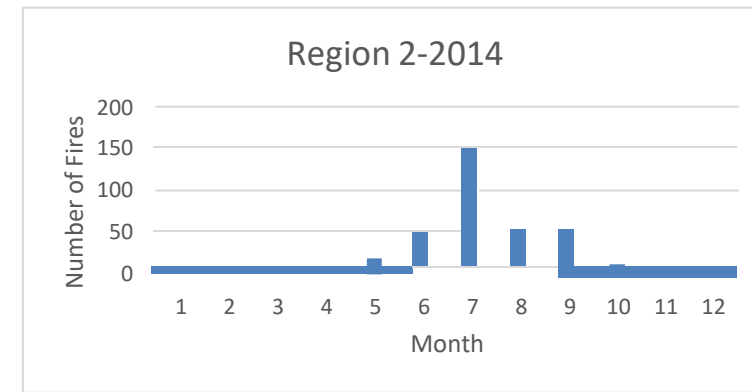
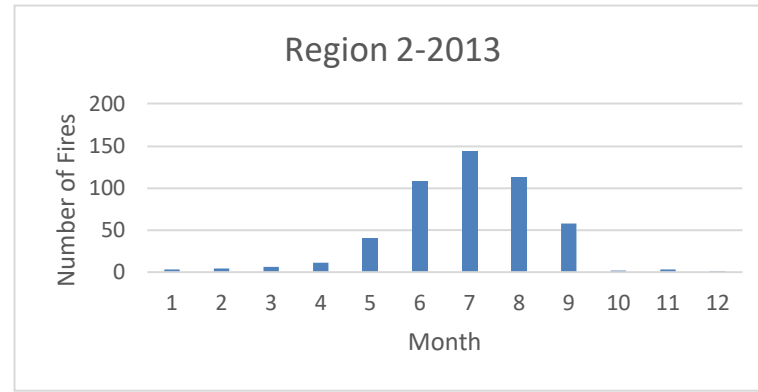
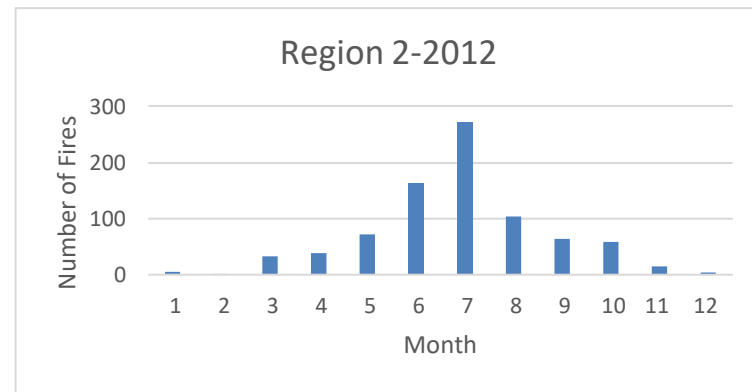
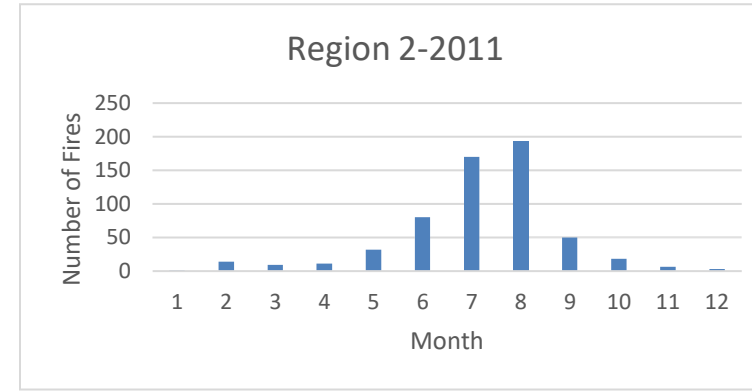
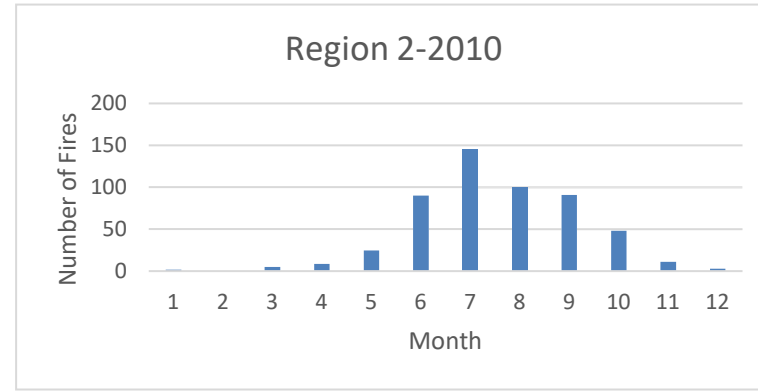
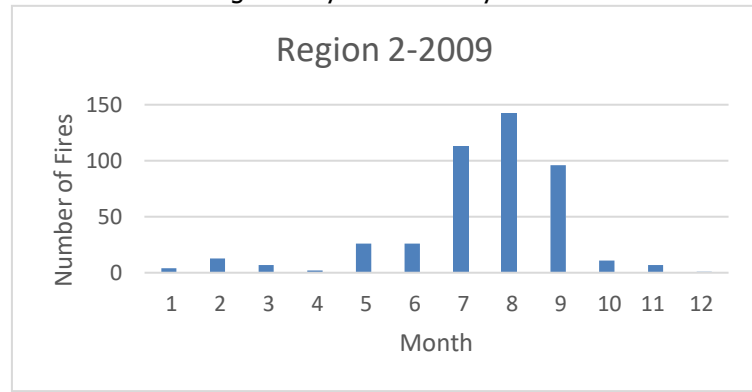


Fires burned in Region 2 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	2	3	8	2	3	2	9	0	4	4	2	1	5	3	4	2	2	3	4	4
February	5	2	10	1	5	2	7	1	3	13	0	14	2	4	2	3	9	14	5	6
March	9	3	7	3	14	3	7	8	2	7	5	9	33	6	7	15	11	18	23	3
April	19	20	39	6	8	12	23	7	9	2	9	11	39	11	5	13	17	11	21	9
May	65	40	67	49	32	25	63	51	26	26	25	32	72	40	19	18	27	15	69	16
June	118	103	159	78	133	86	167	88	70	26	90	80	164	108	48	49	104	78	85	52
July	261	252	276	290	175	225	241	200	153	113	145	170	272	144	145	48	197	188	118	84
August	292	151	208	292	109	134	120	124	103	142	100	193	104	113	53	81	139	70	69	65
September	83	79	51	58	57	89	36	76	33	96	91	50	64	58	35	67	91	72	63	102
October	25	31	10	31	6	17	4	16	23	11	48	18	59	2	12	46	45	17	15	36
November	1	14	3	5	5	5	8	8	13	7	11	6	15	3	9	12	21	11	10	7
December	2	5	4	6	4	1	1	0	1	1	3	3	4	1	1	2	6	9	2	1
TOTAL	882	703	842	821	551	601	686	579	440	448	529	587	833	493	340	356	669	506	484	385

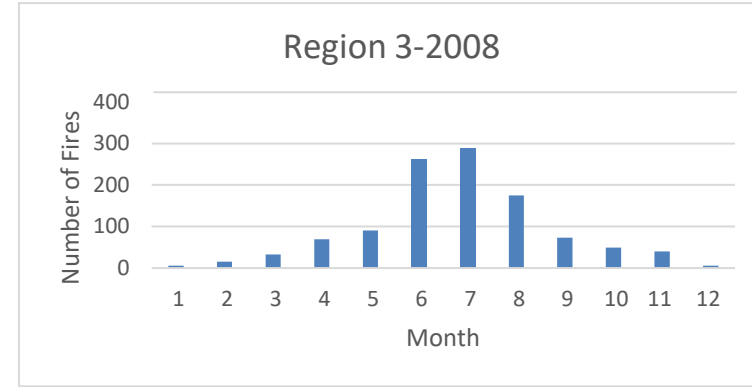
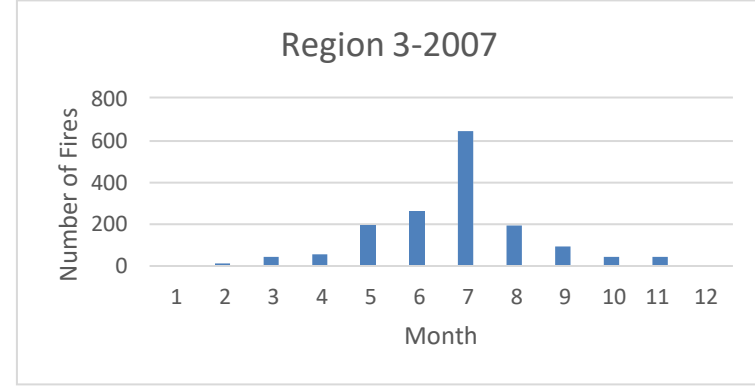
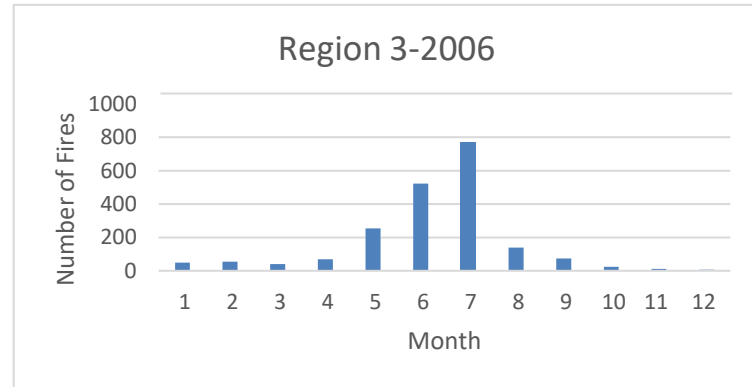
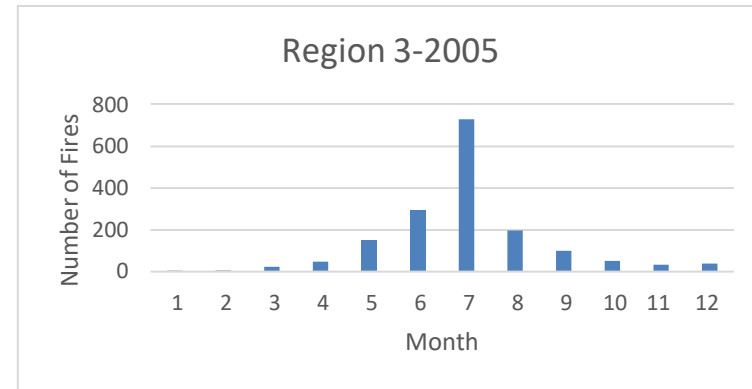
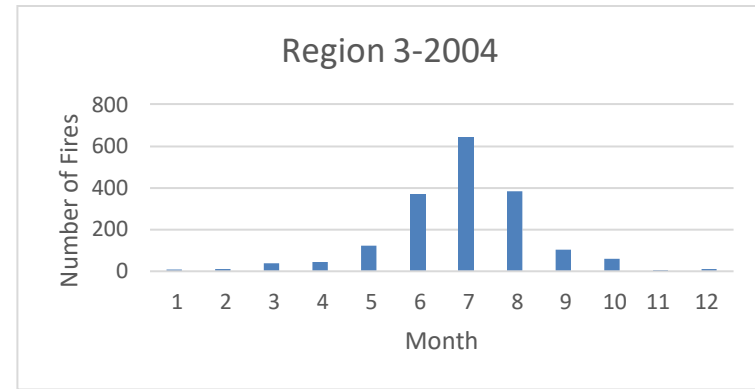
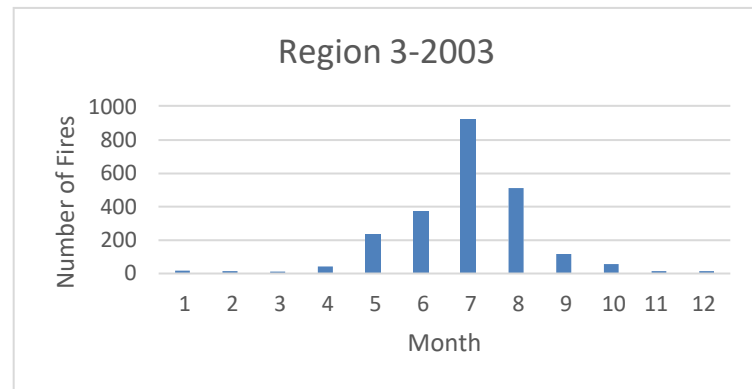
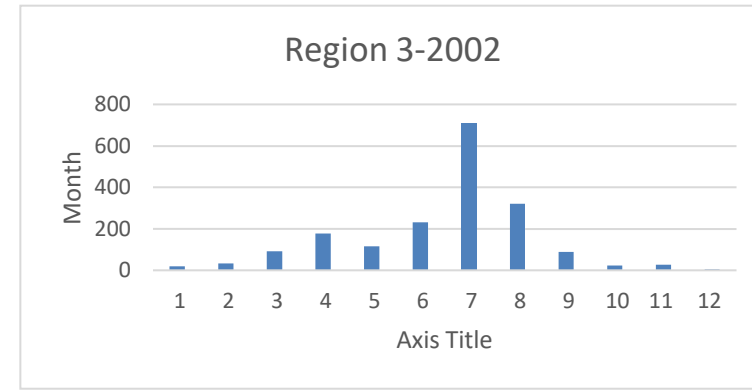
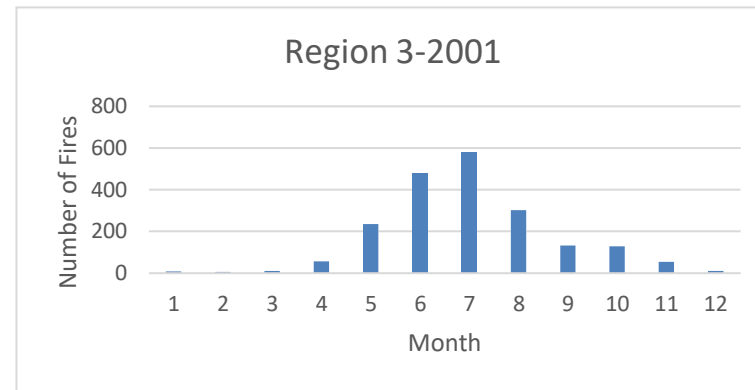
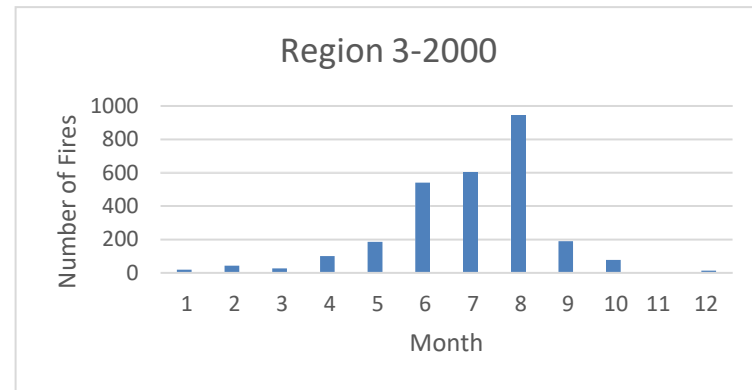


Fires burned in Region 2 by month and year

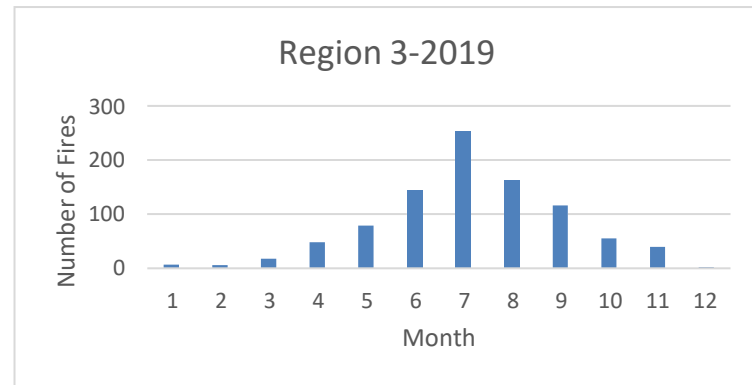
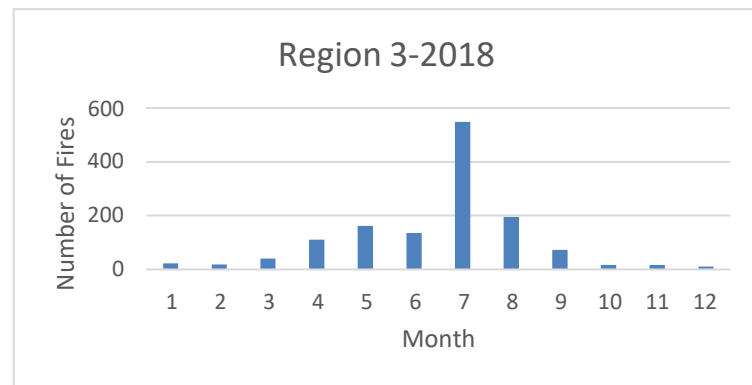
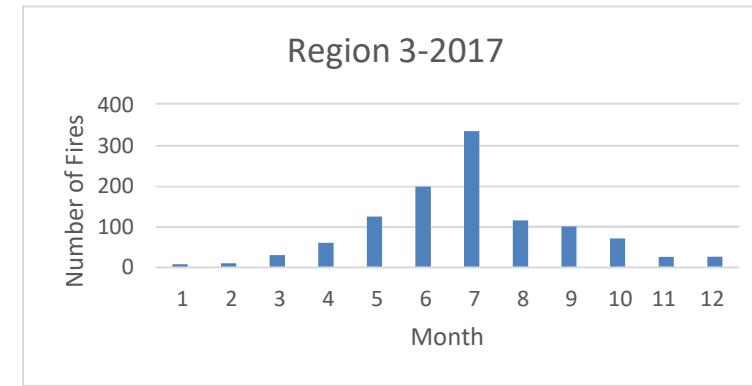
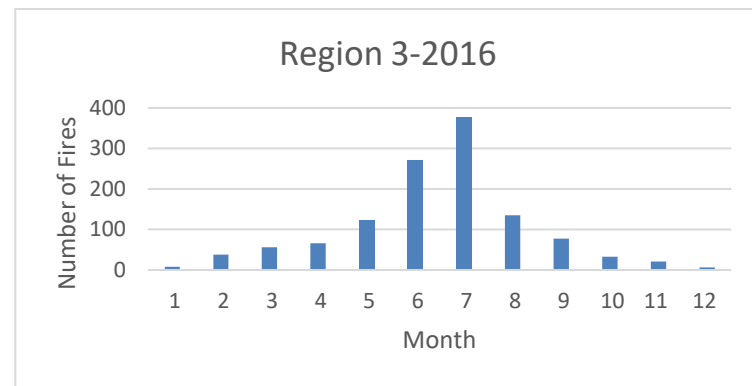
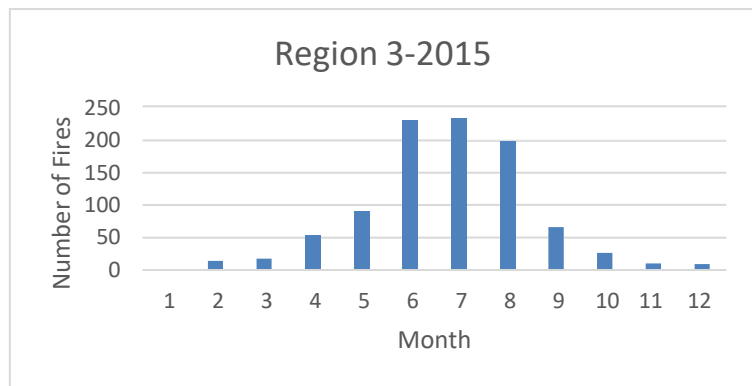
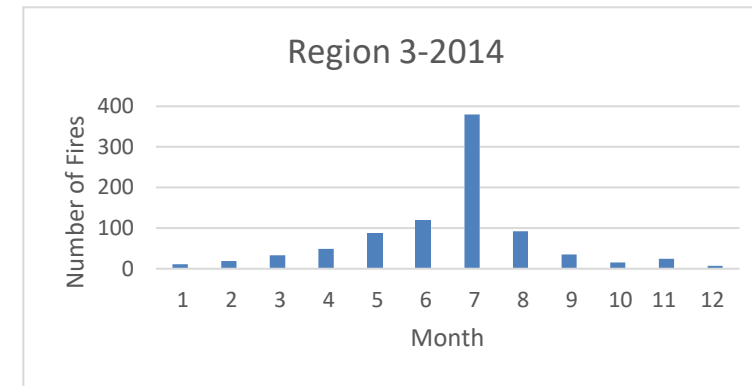
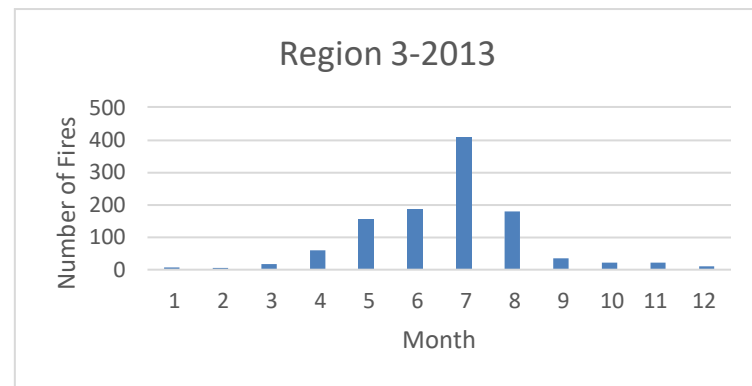
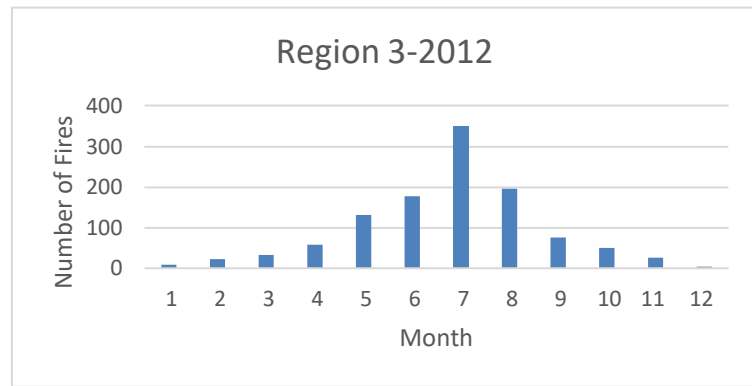
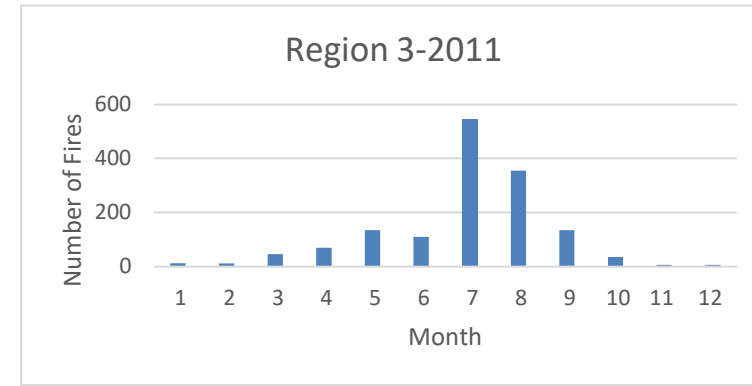
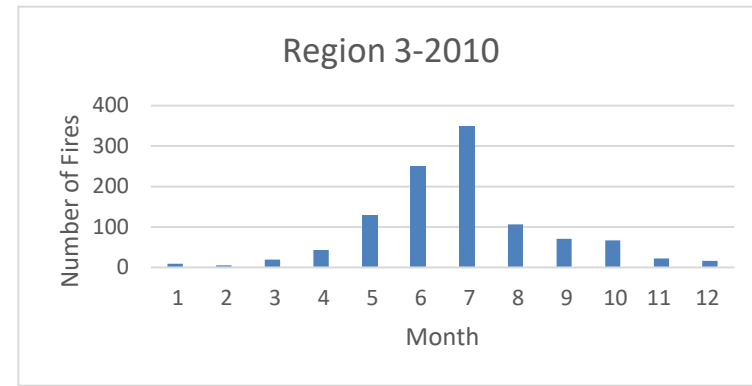
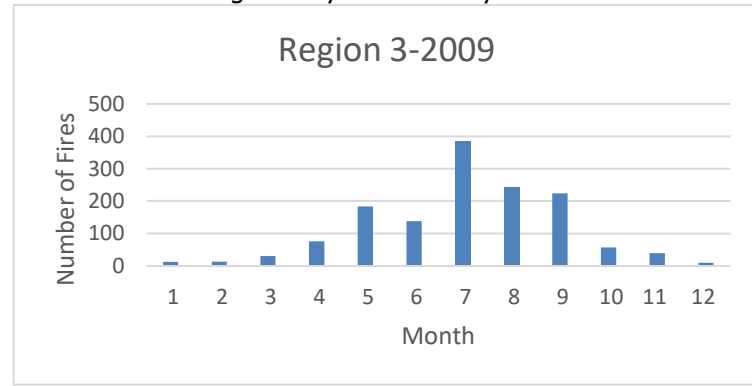


Fires burned in Region 3 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	19	7	18	16	9	5	48	4	6	13	9	13	8	7	11	1	8	8	23	7
February	44	6	33	14	11	6	55	11	15	14	5	11	23	6	19	14	38	10	18	6
March	26	11	91	12	38	22	41	44	33	31	19	46	33	18	33	17	56	31	40	18
April	102	57	178	42	44	47	70	55	69	76	43	70	58	60	49	53	66	61	111	48
May	186	234	116	234	123	152	254	194	91	184	129	135	132	157	87	91	122	126	162	79
June	540	480	231	372	370	293	522	263	262	138	250	110	178	188	120	231	271	199	135	145
July	600	579	709	927	644	731	770	647	289	385	350	545	351	410	380	233	377	337	548	254
August	944	302	322	513	385	198	138	194	175	243	106	355	197	180	92	199	135	116	195	163
September	190	131	88	116	105	99	73	92	73	224	71	135	76	36	35	66	77	101	73	116
October	78	128	23	58	59	52	23	44	49	57	67	35	50	22	16	26	33	72	16	55
November	5	53	26	15	6	34	12	44	40	39	22	7	26	22	24	10	21	26	16	40
December	13	11	4	15	10	38	6	4	6	10	16	7	4	11	7	9	6	27	11	2
TOTAL	2747	1999	1839	2334	1804	1677	2012	1596	1108	1414	1087	1469	1136	1117	873	950	1210	1114	1348	933

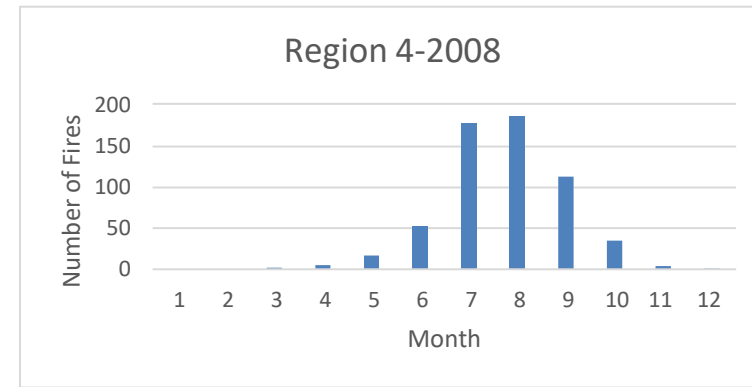
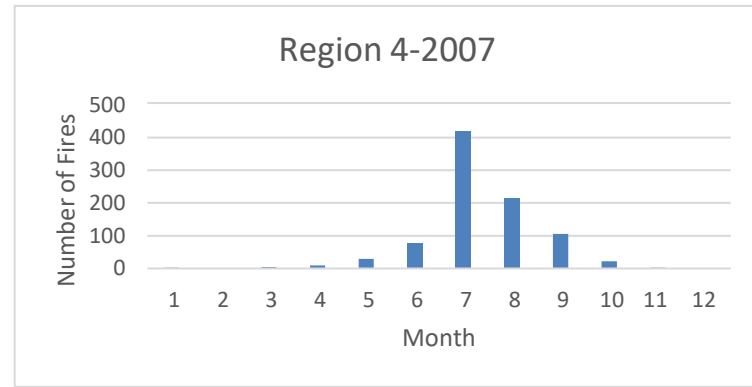
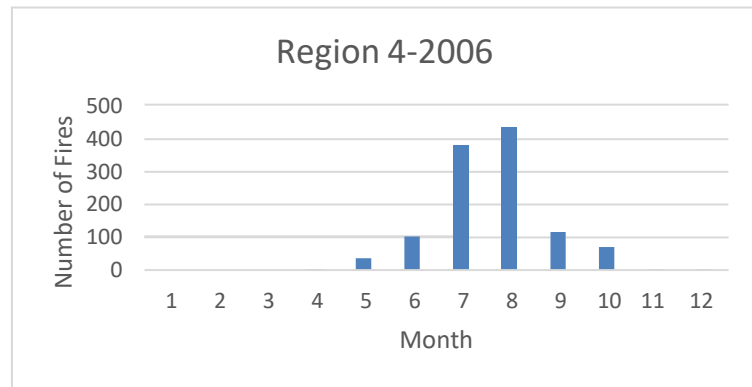
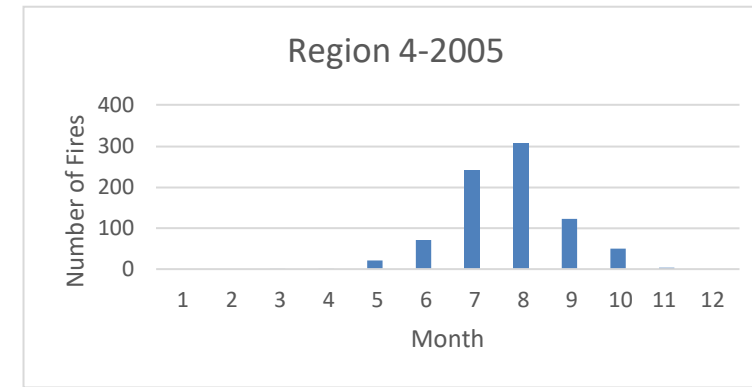
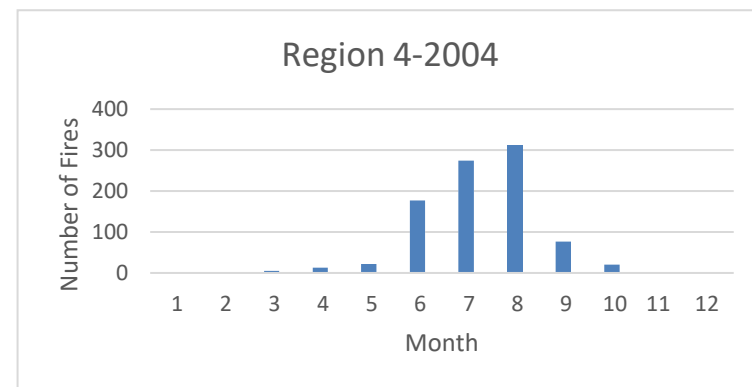
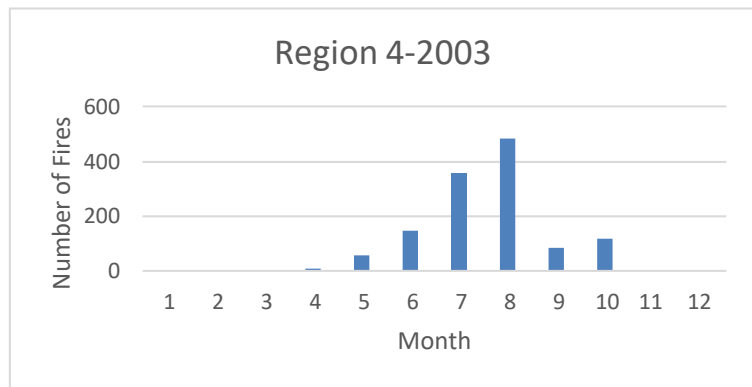
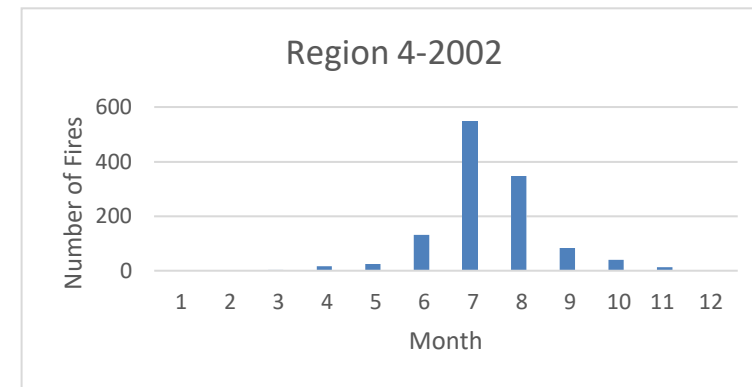
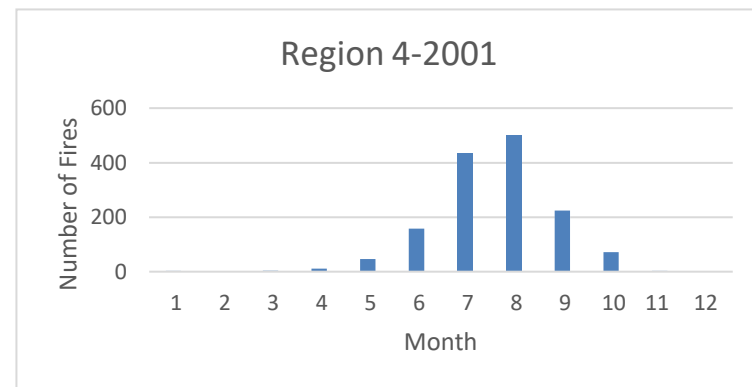
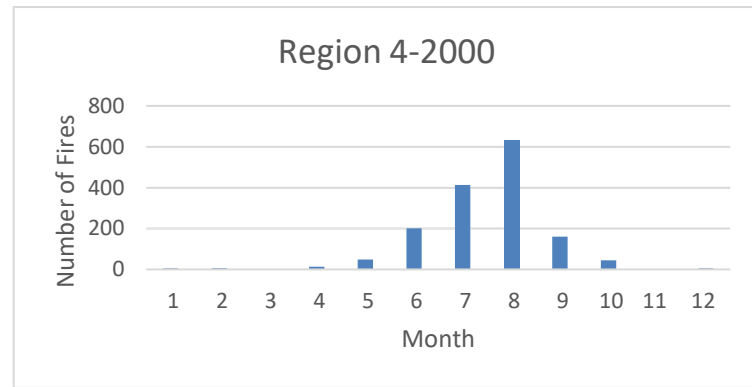


Fires burned in Region 3 by month and year

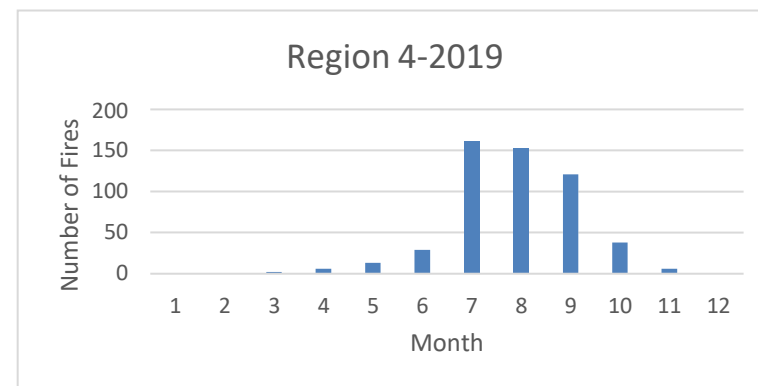
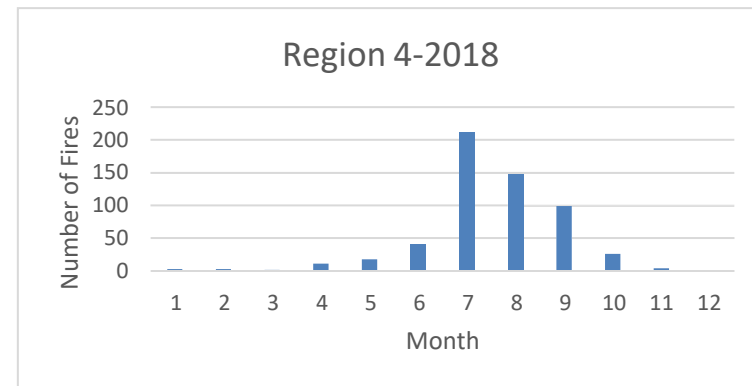
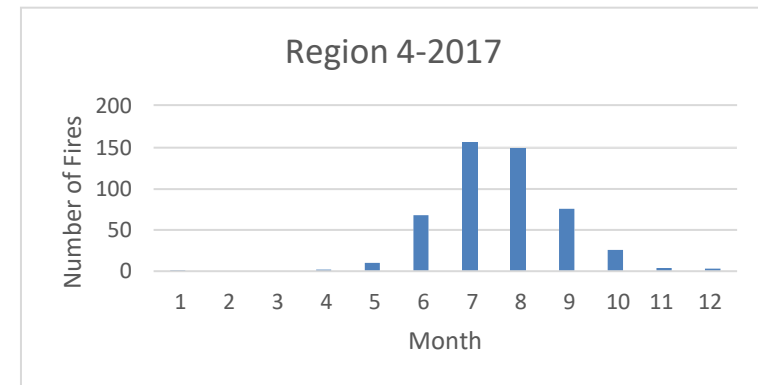
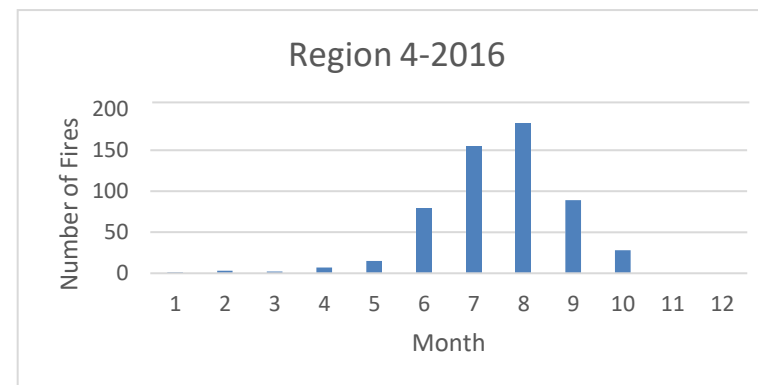
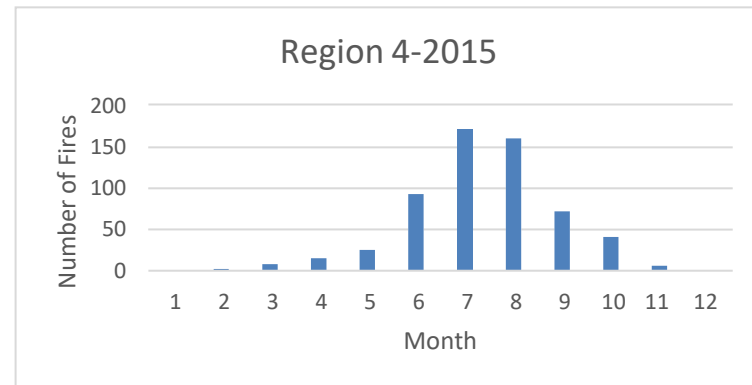
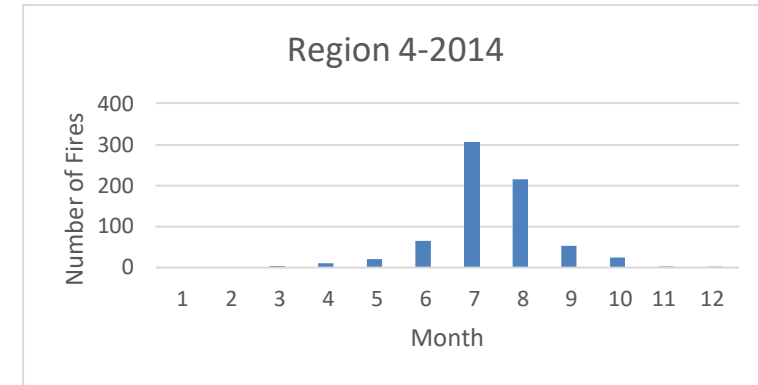
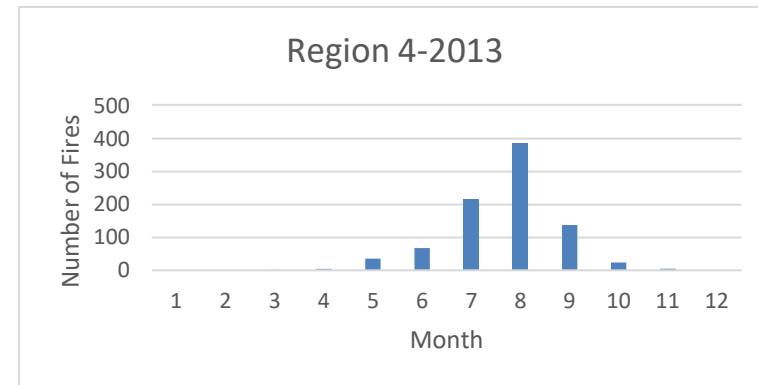
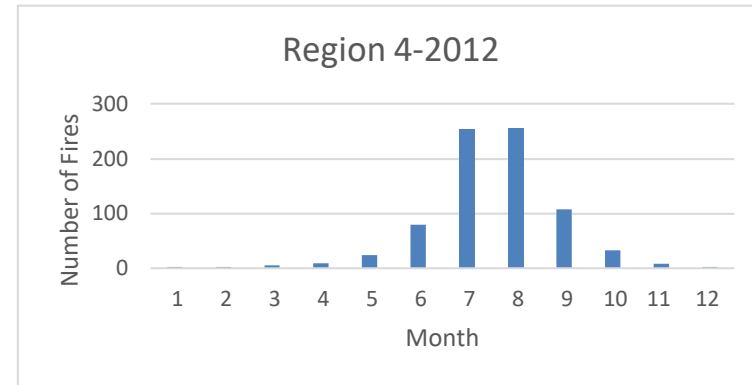
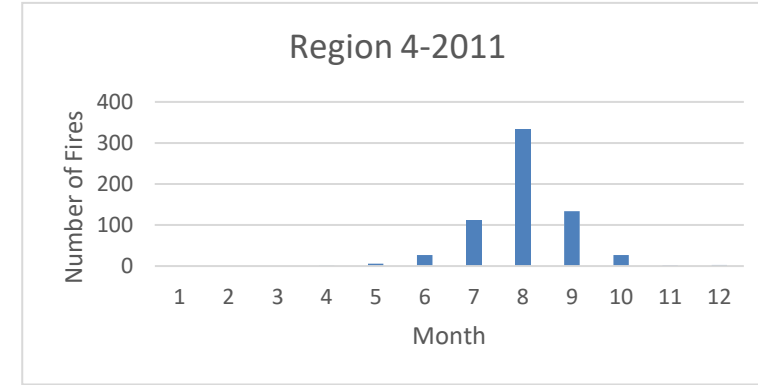
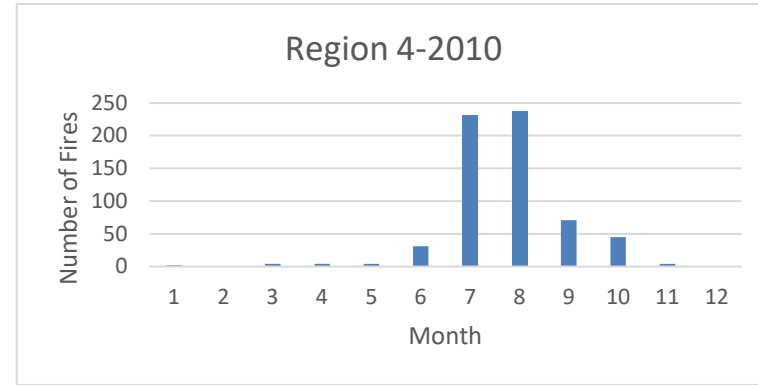
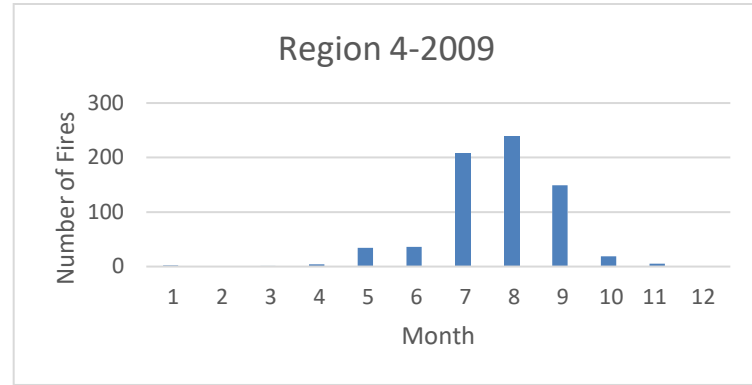


Fires burned in Region 4 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	5	2	0	0	0	0	0	2	0	2	2	0	2	0	0	0	1	1	3	0
February	6	0	2	0	0	0	1	1	0	0	0	0	2	0	0	2	3	0	3	0
March	2	4	4	1	5	1	1	4	2	1	4	0	5	2	4	8	2	0	2	2
April	12	11	17	7	13	1	3	9	5	4	4	1	9	5	11	15	7	2	11	6
May	48	46	25	57	22	21	36	29	17	34	4	6	24	36	21	25	15	10	18	13
June	201	158	132	147	177	71	103	76	52	36	31	27	80	68	66	93	79	68	40	29
July	414	434	550	358	274	243	380	421	178	208	232	112	254	216	306	172	155	157	211	161
August	632	502	348	486	312	307	437	216	187	239	237	334	257	386	216	161	183	150	147	153
September	159	225	83	84	76	123	116	106	113	149	71	134	108	138	53	72	89	76	99	121
October	44	72	40	118	20	50	70	22	35	19	45	27	33	24	25	41	28	26	26	38
November	2	3	13	3	0	4	2	2	4	5	4	2	8	6	3	6	0	4	4	6
December	4	0	0	0	1	0	2	1	1	0	0	3	2	0	2	0	0	3	0	0
TOTAL	1529	1457	1214	1261	900	821	1151	889	594	697	634	646	784	881	707	595	562	497	564	529

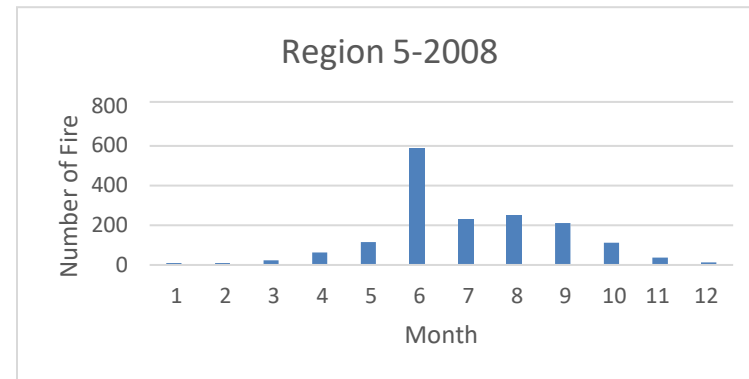
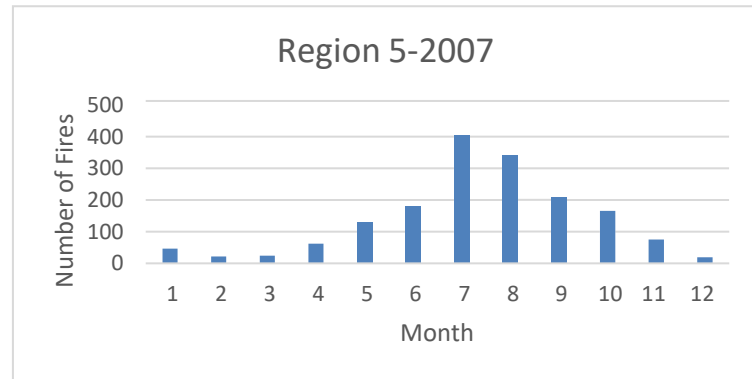
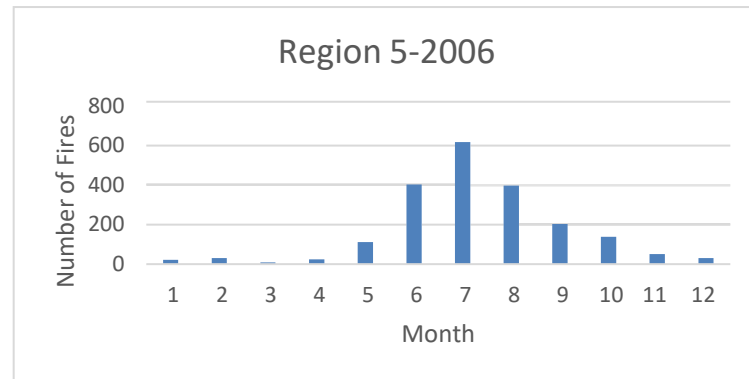
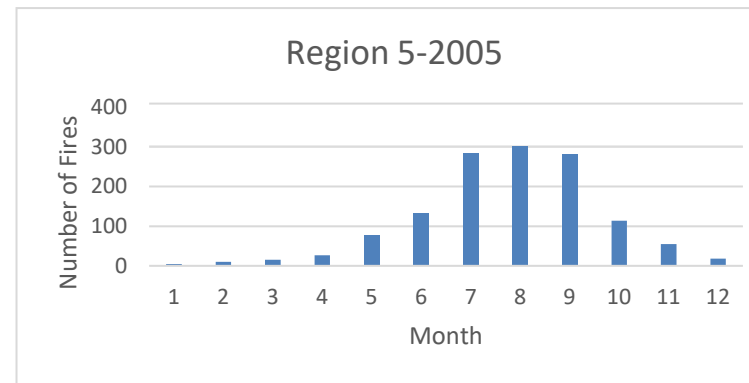
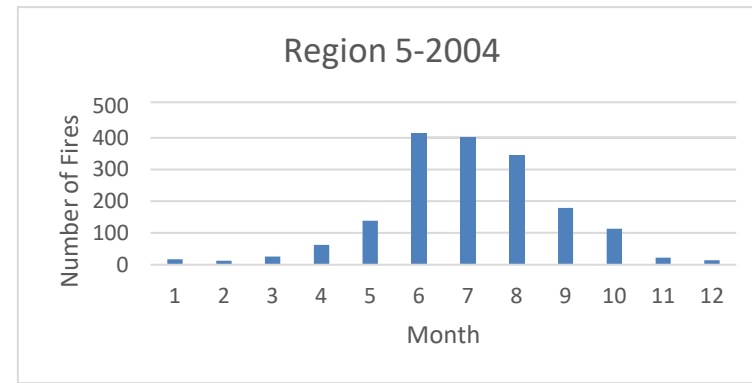
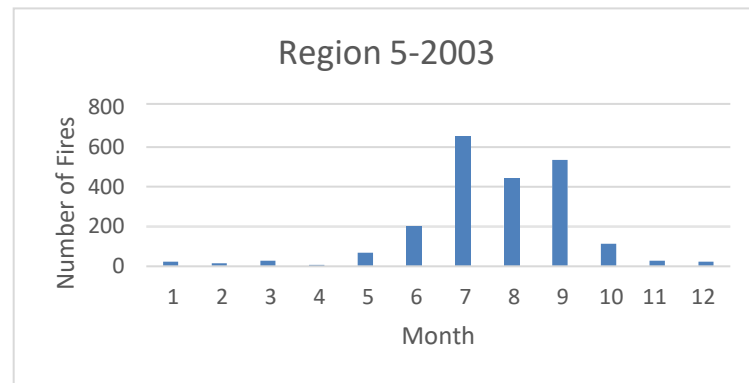
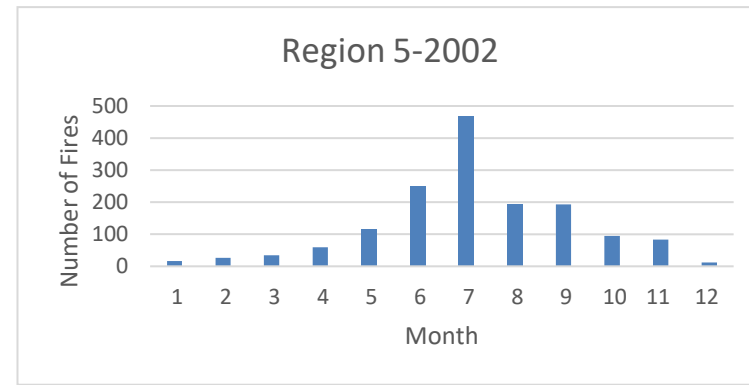
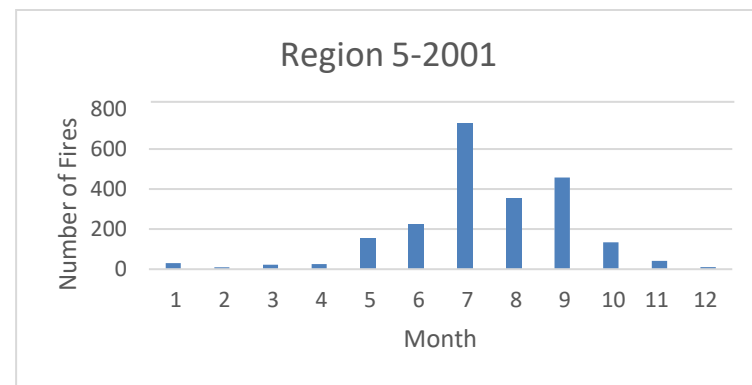
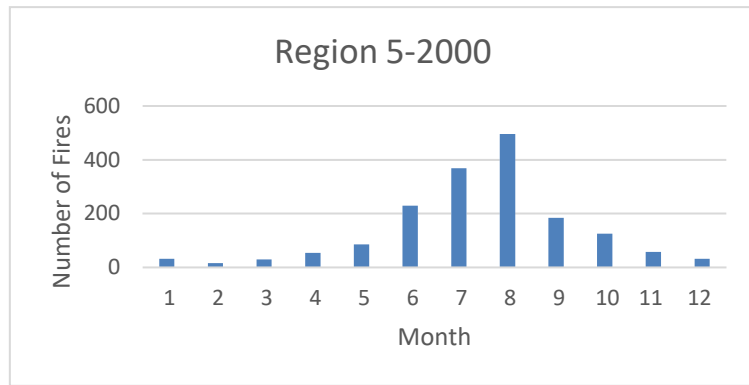


Fires burned in Region 4 by month and year

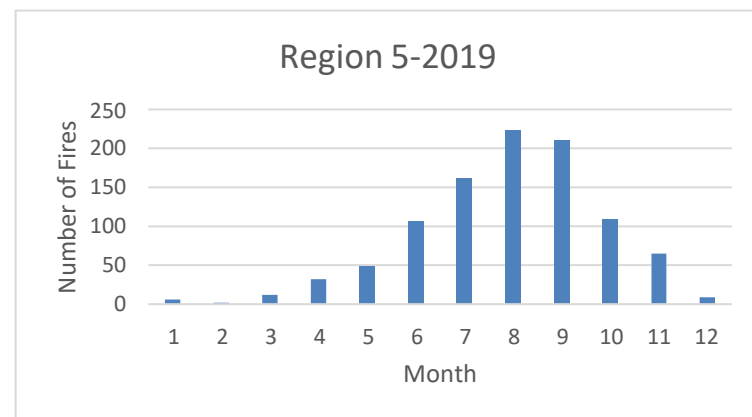
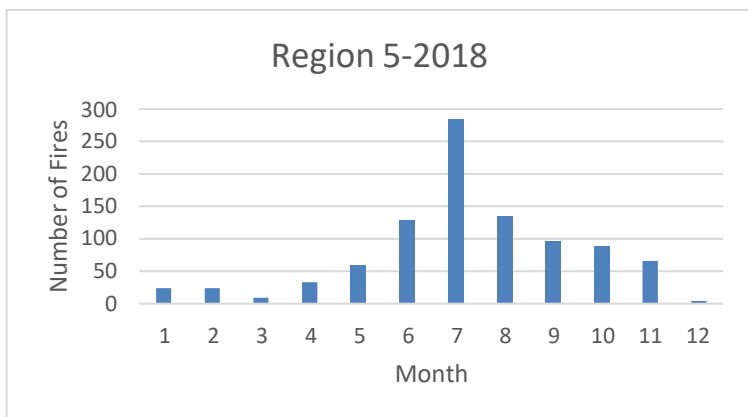
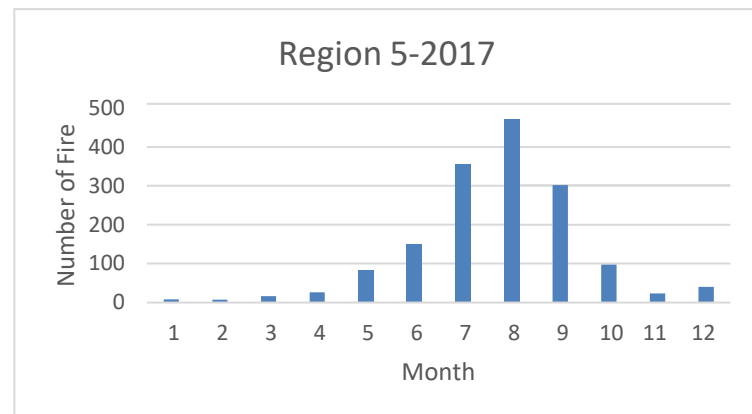
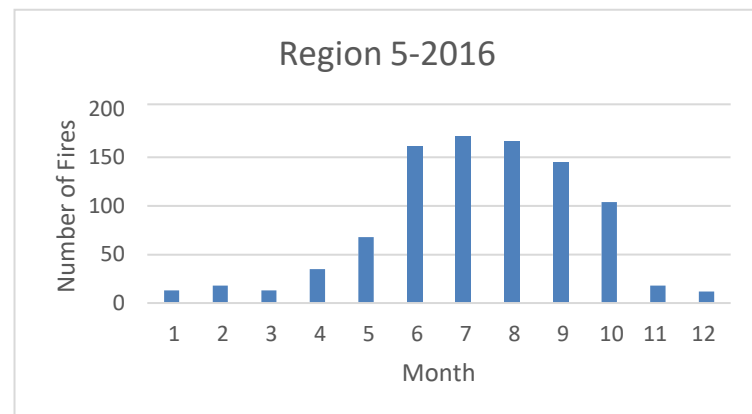
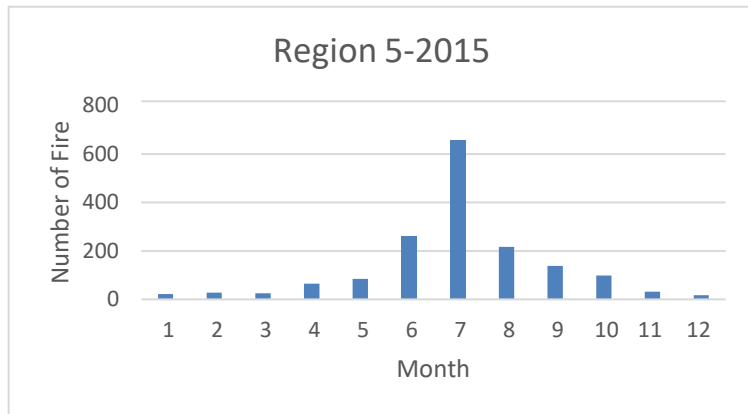
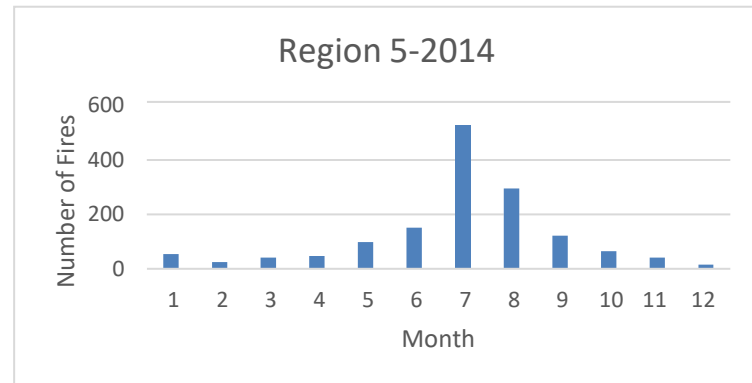
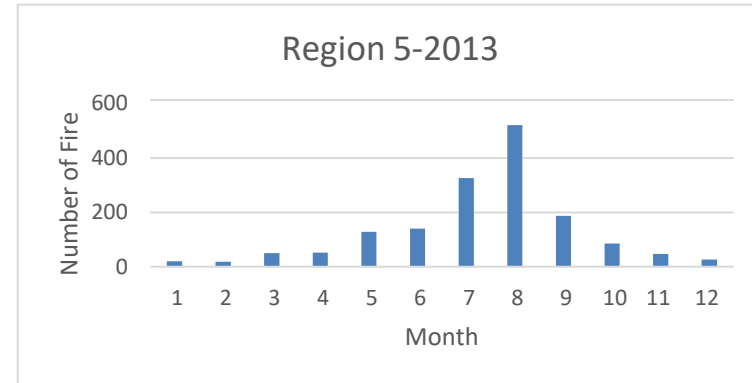
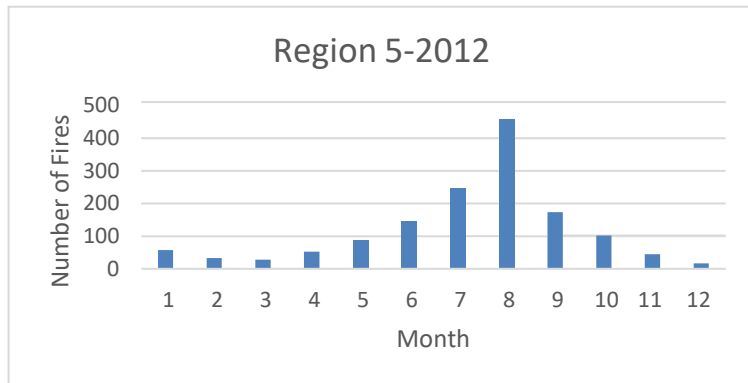
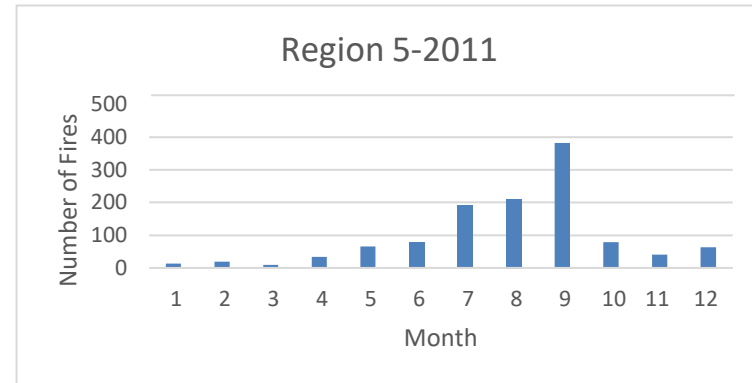
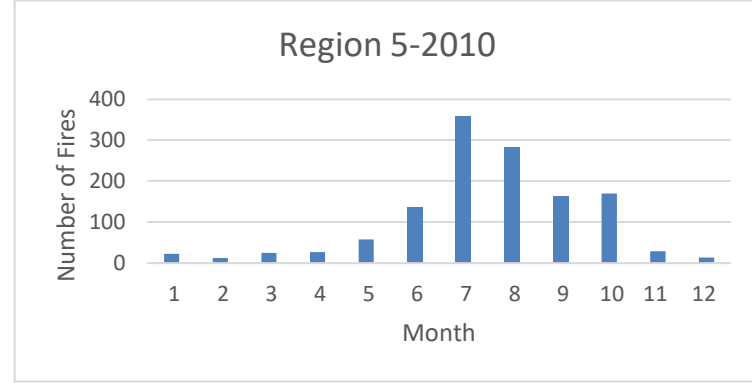
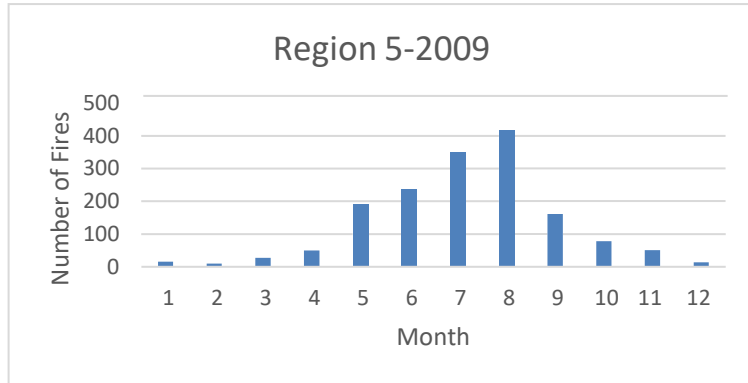


Fires burned in Region 5 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	32	29	16	23	17	4	21	46	10	16	22	13	57	20	54	22	13	8	24	6
February	17	8	26	14	13	10	32	22	9	10	12	19	32	18	24	28	18	7	24	2
March	30	21	34	27	26	15	9	24	24	27	24	10	27	50	41	25	13	16	9	12
April	55	25	59	6	62	27	24	62	63	50	27	34	52	51	47	65	35	26	33	32
May	86	152	115	67	139	77	112	130	116	190	57	66	88	128	99	84	68	83	59	48
June	230	226	250	200	414	133	404	182	587	235	135	77	144	140	151	263	161	150	129	106
July	369	729	468	653	402	284	617	404	231	349	358	192	247	325	528	658	172	355	284	161
August	496	354	193	444	345	301	397	342	251	416	282	211	459	521	295	216	166	471	135	223
September	184	458	193	536	179	281	203	208	211	161	162	383	174	186	122	139	145	302	97	211
October	126	134	95	113	113	114	138	166	112	78	170	79	102	85	64	99	104	97	88	109
November	58	41	83	28	22	55	50	76	36	51	28	41	44	47	41	31	18	23	66	65
December	32	11	12	22	14	18	32	19	12	14	13	63	17	27	15	17	12	40	4	9
TOTAL	1715	2188	1544	2133	1746	1319	2039	1681	1662	1597	1290	1188	1443	1598	1481	1647	925	1578	952	984

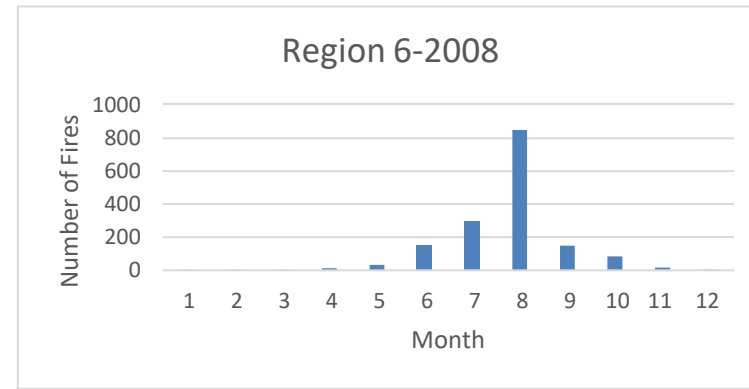
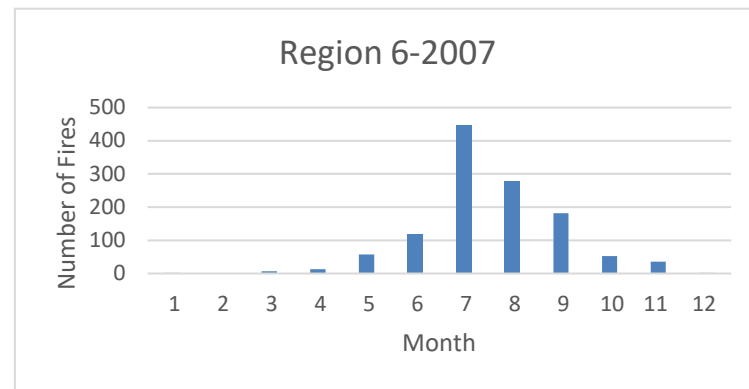
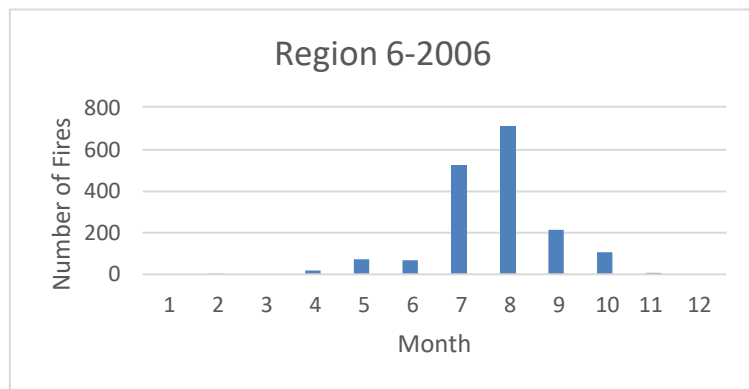
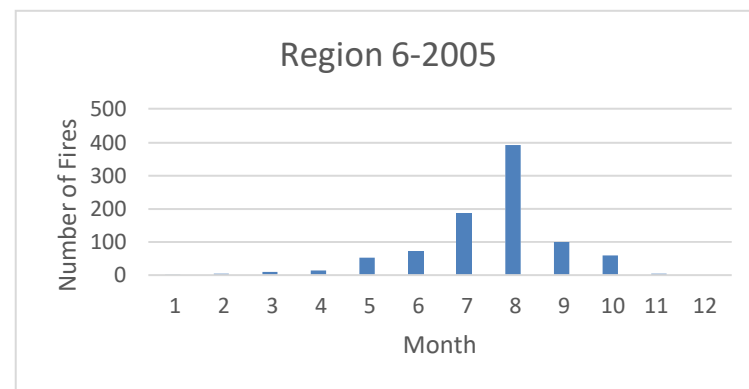
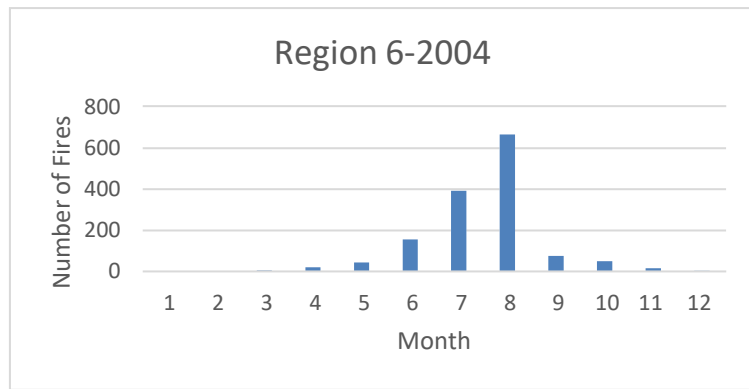
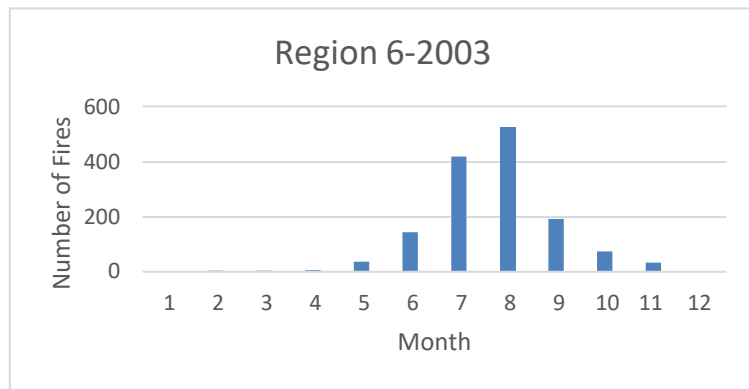
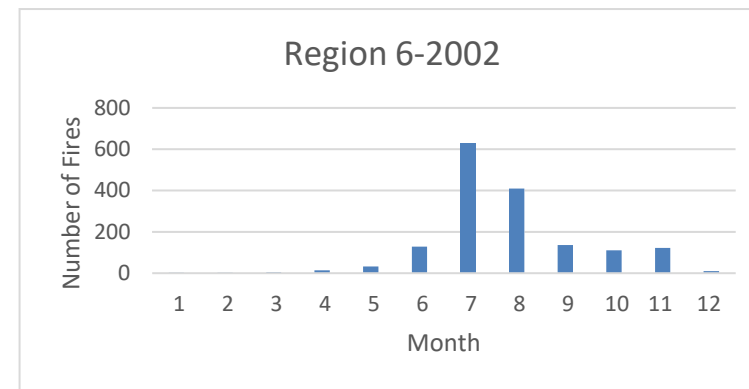
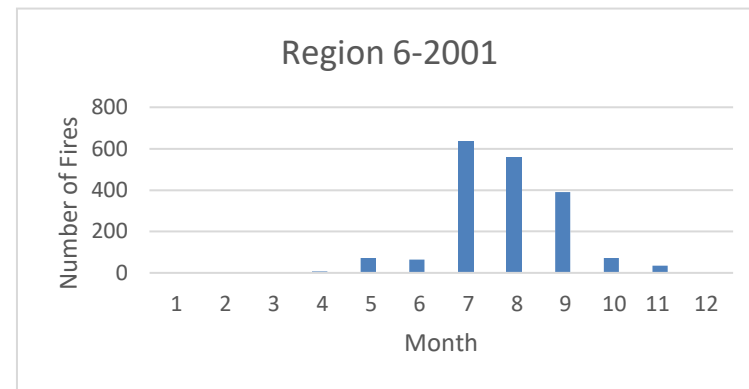
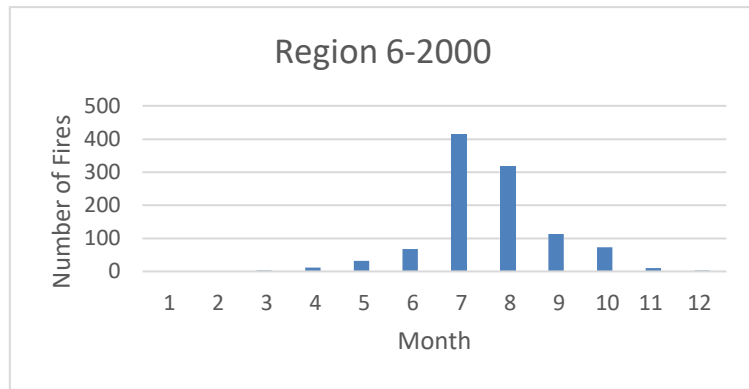


Fires burned in Region 5 by month and year

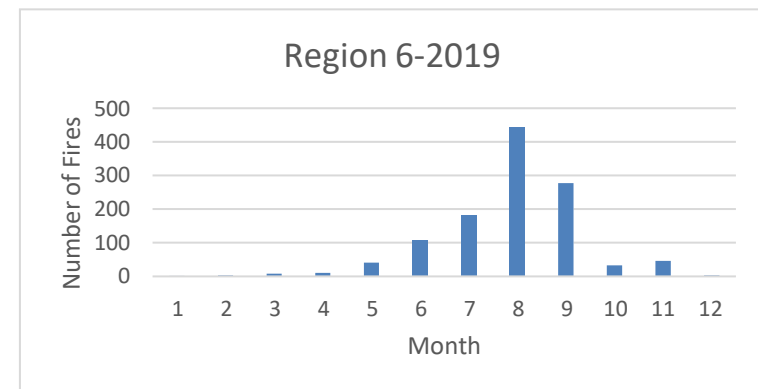
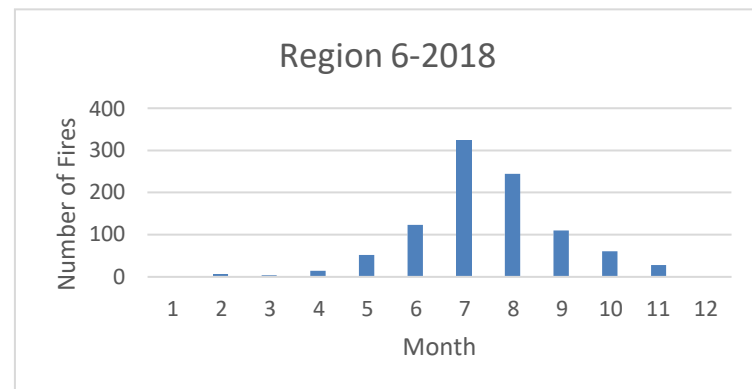
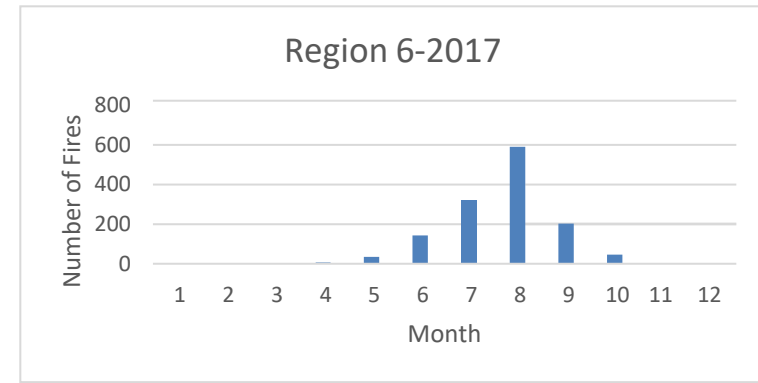
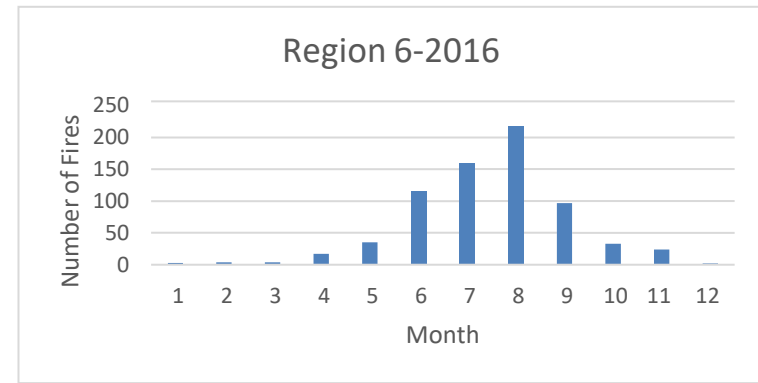
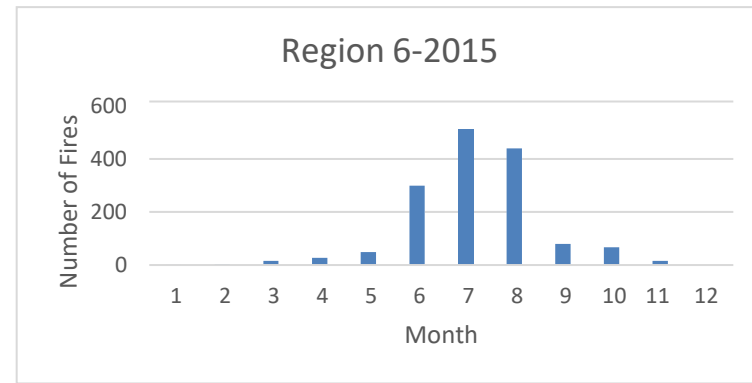
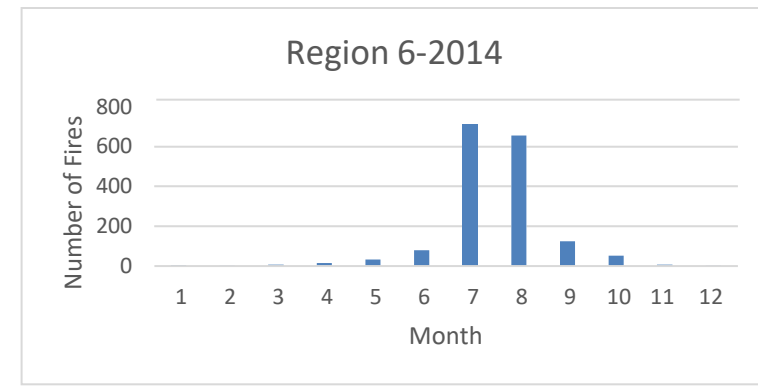
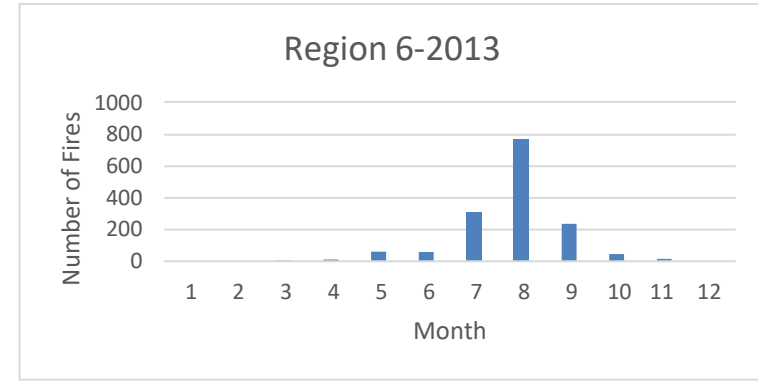
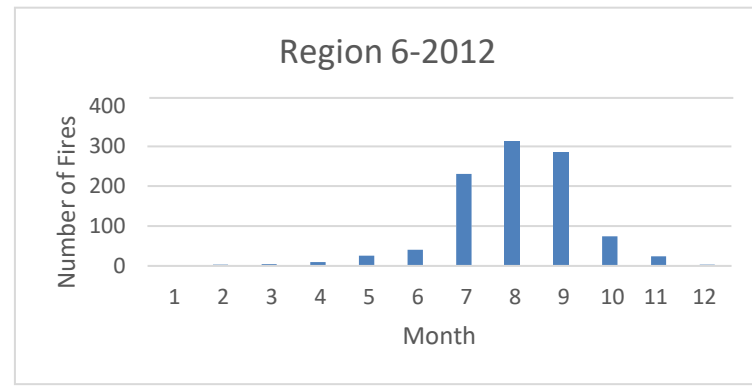
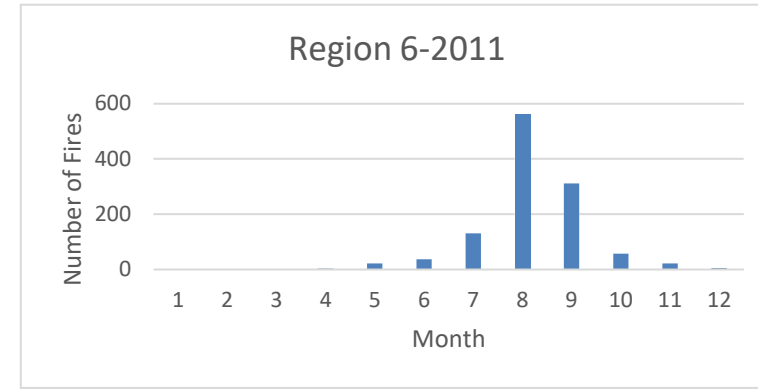
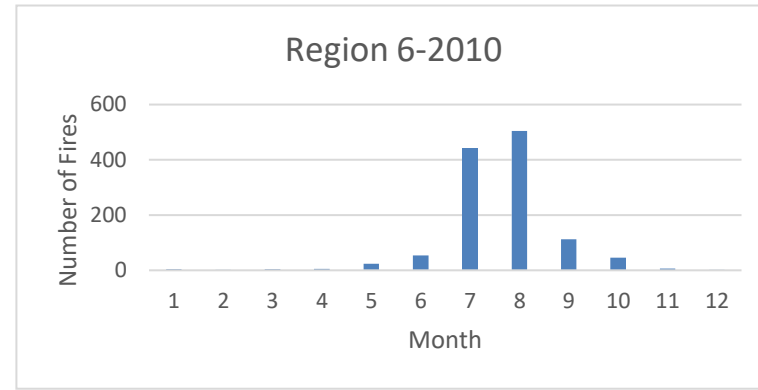
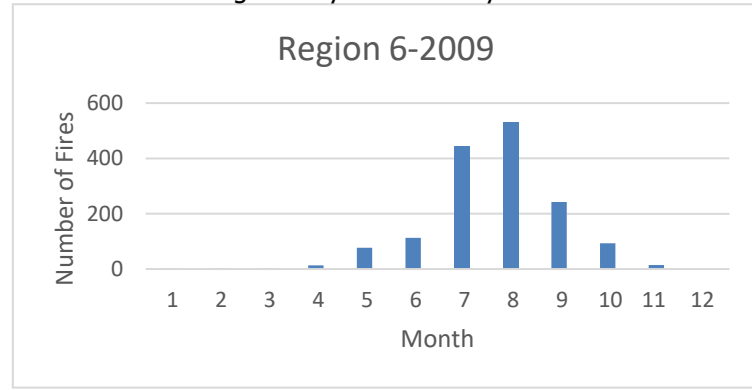


Fires burned in Region 6 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0	4	1	2	0	1	0	2	1	2	3	0	1	2	4	1	3	0	2	1
February	1	1	1	3	1	4	3	1	2	3	1	1	2	2	1	4	4	0	7	2
March	3	3	3	3	5	10	0	7	3	3	4	0	4	7	6	16	4	2	4	8
April	12	7	12	6	20	14	19	13	11	13	5	3	9	13	14	27	17	7	14	10
May	32	72	31	36	44	52	72	57	33	77	23	22	25	61	32	49	35	34	52	40
June	68	64	128	143	155	71	68	120	151	113	53	37	40	58	78	300	116	142	124	109
July	416	638	629	420	393	186	524	447	297	443	442	130	231	310	711	514	159	320	323	181
August	319	560	410	527	666	393	714	278	851	529	504	564	312	770	657	440	218	591	244	444
September	113	391	135	192	77	100	214	182	150	242	112	311	284	236	124	80	97	203	110	277
October	74	71	111	73	50	59	107	53	83	93	45	58	74	47	51	67	33	46	61	33
November	11	34	121	32	16	4	7	36	16	15	6	22	23	17	6	16	24	1	28	46
December	3	0	9	1	3	0	1	2	5	0	1	5	2	3	1	0	2	1	0	2
TOTAL	1052	1845	1591	1438	1430	894	1729	1198	1603	1533	1199	1153	1007	1526	1685	1514	712	1347	969	1153

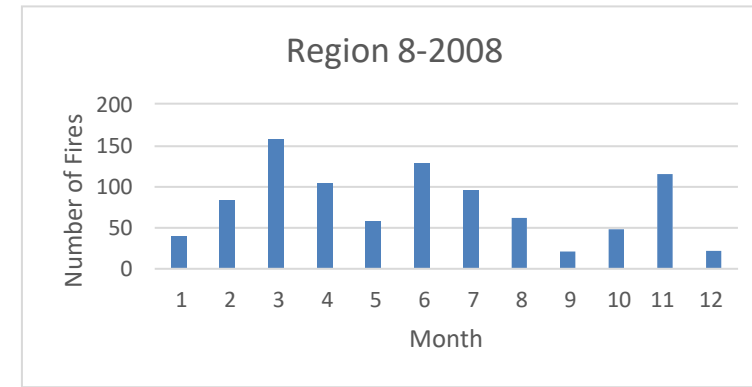
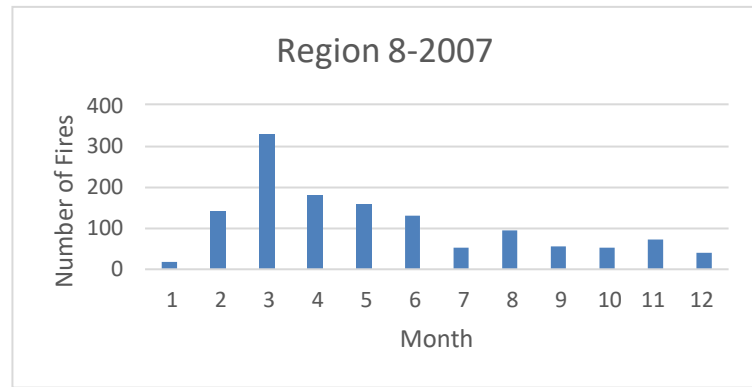
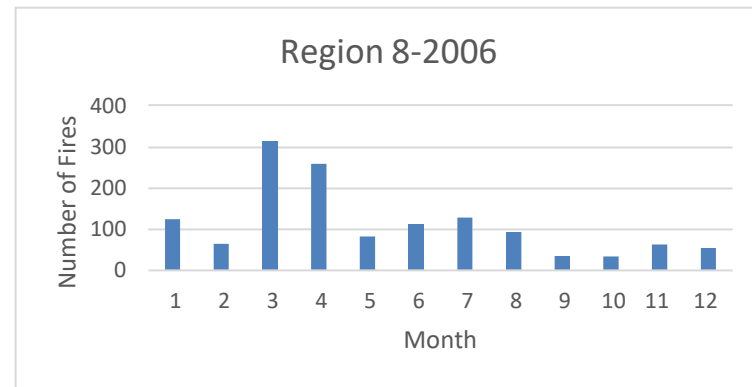
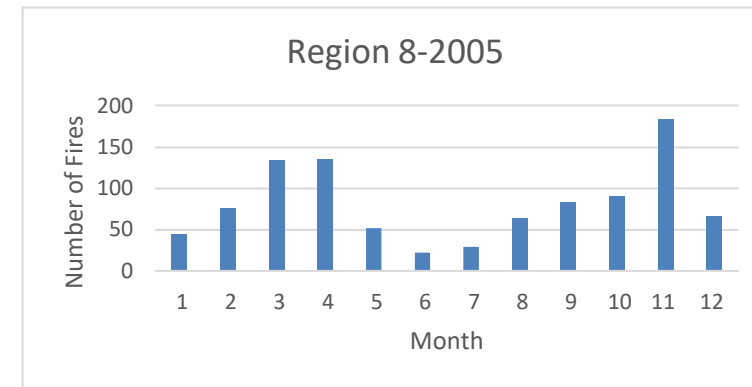
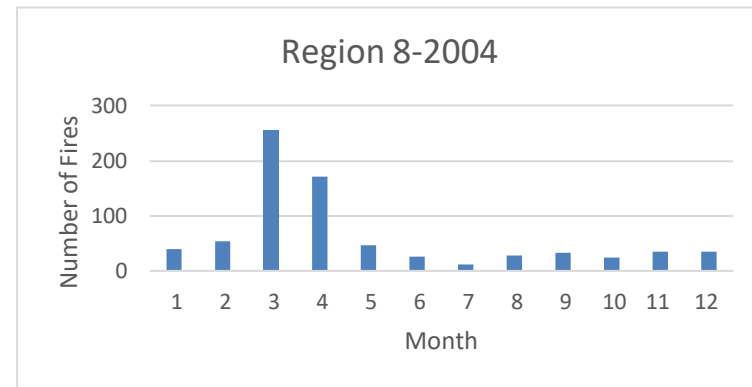
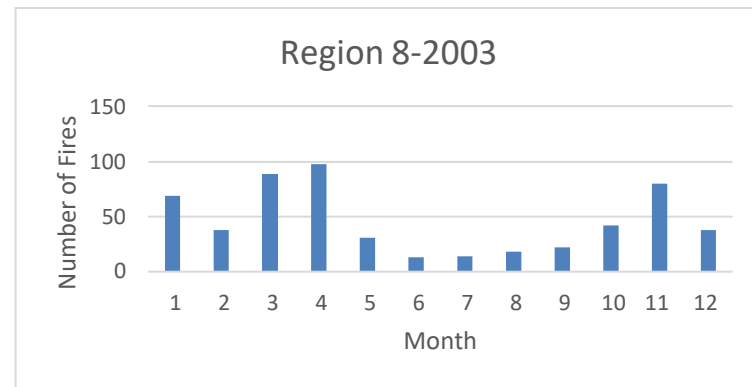
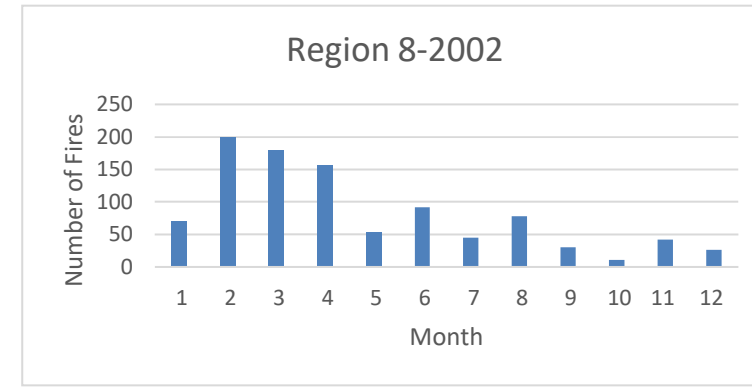
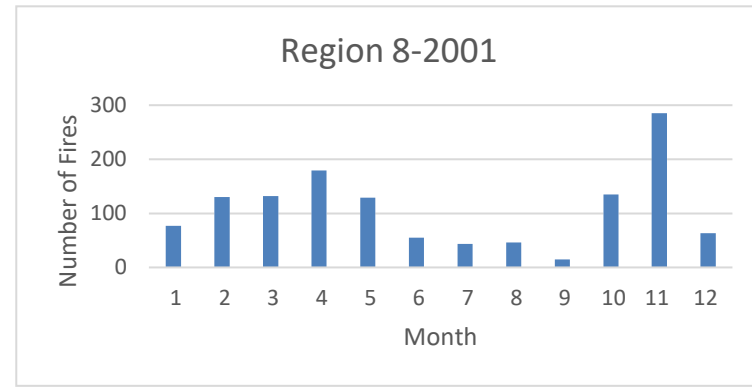
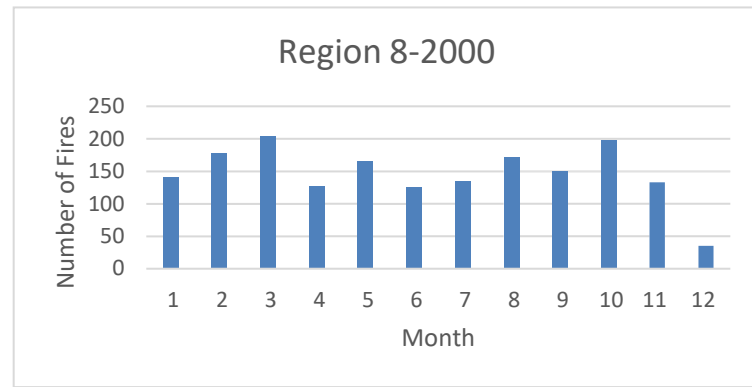


Fires burned in Region 6 by month and year

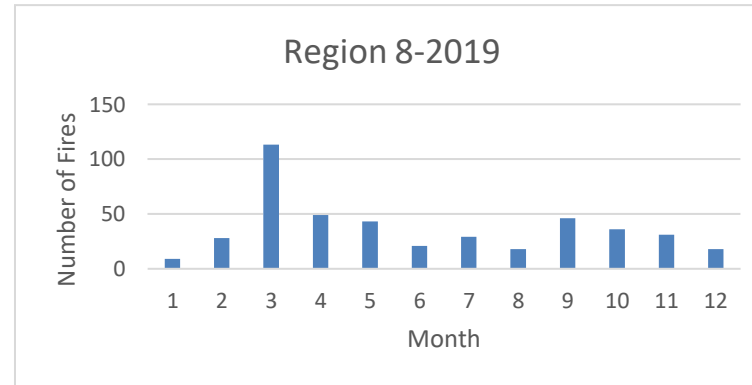
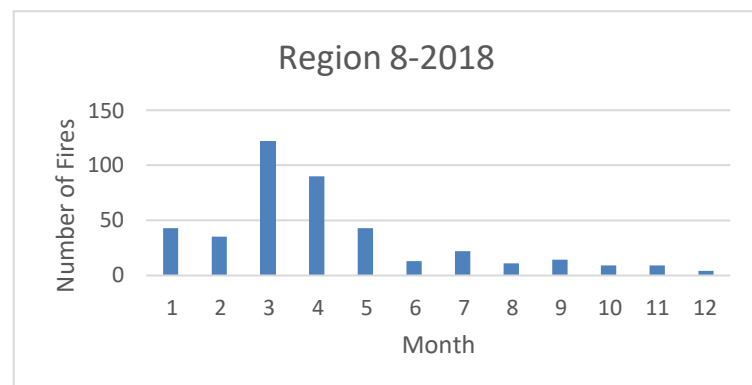
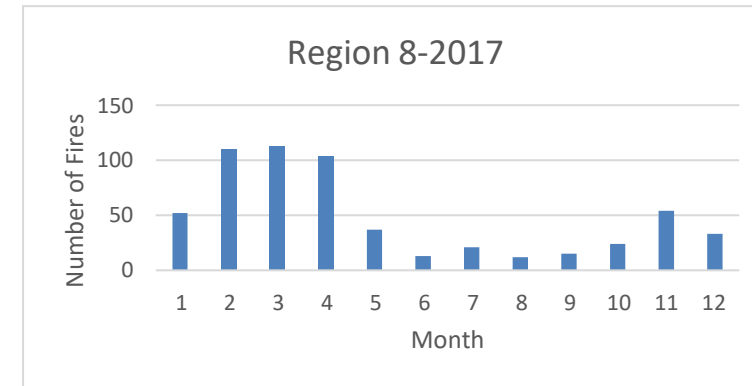
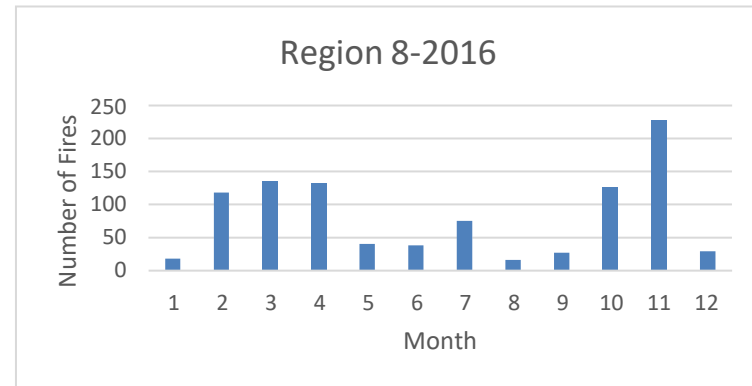
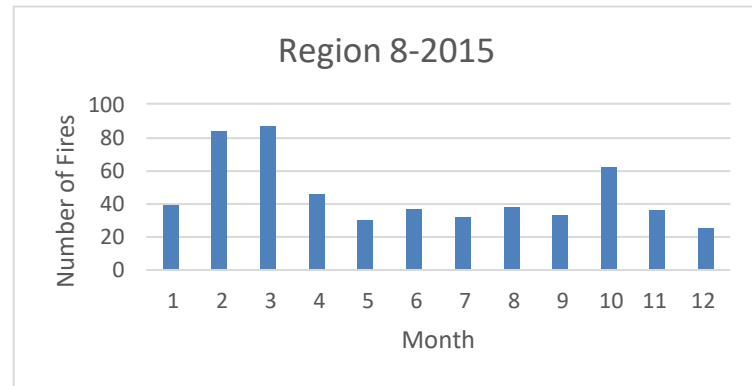
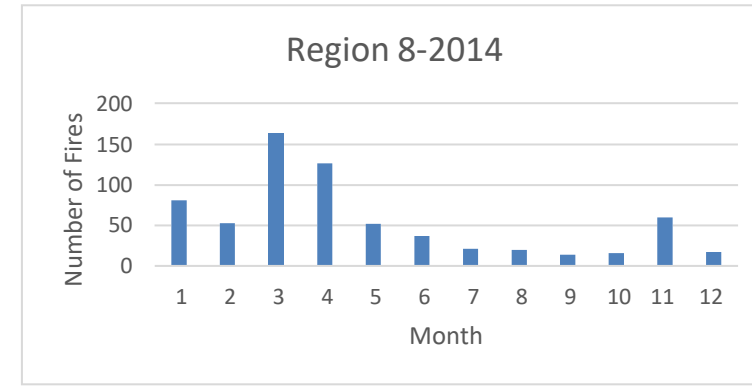
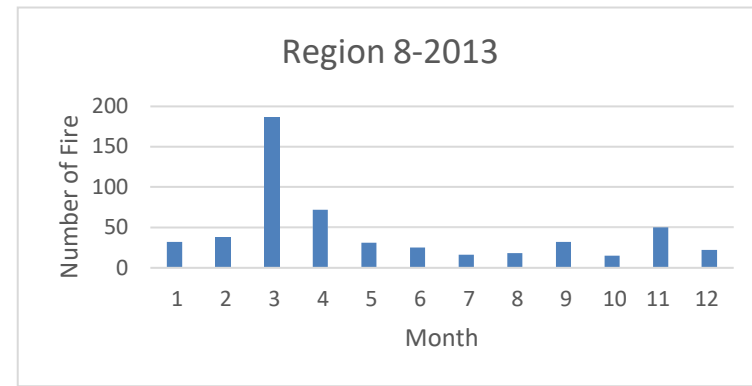
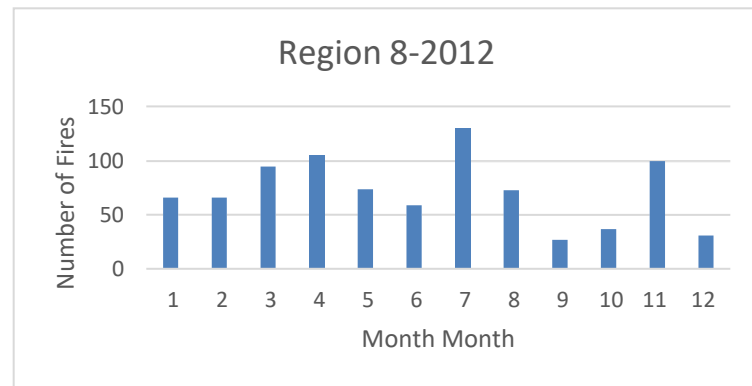
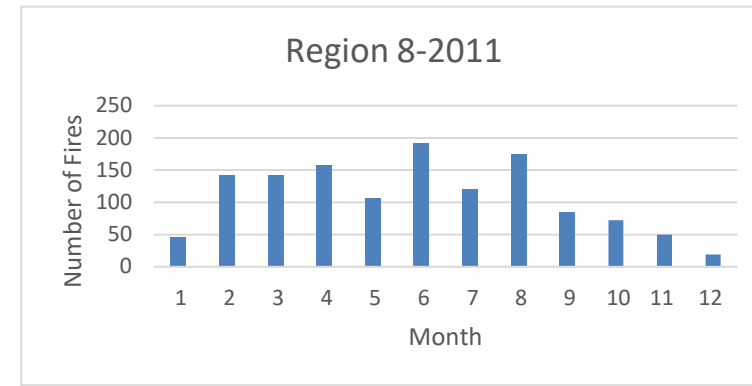
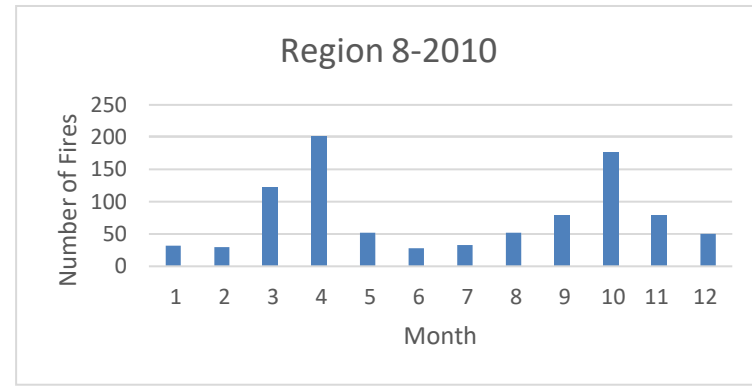
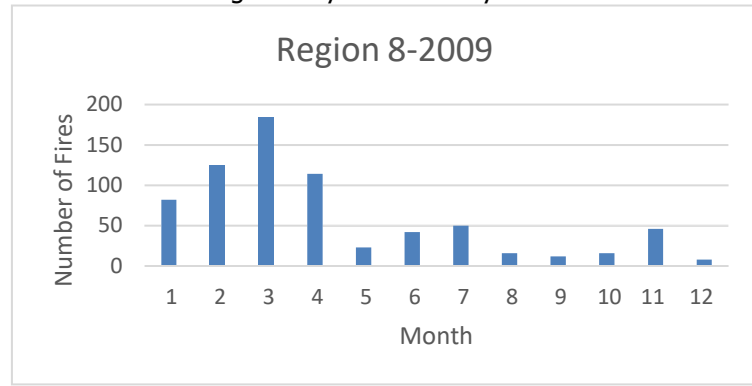


Fires burned in Region 8 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	140	77	70	69	40	45	125	18	40	82	32	45	66	32	81	39	18	52	43	9
February	178	130	200	38	54	76	65	143	84	125	30	141	66	38	53	84	118	110	35	28
March	204	132	179	89	257	134	316	331	158	184	123	141	95	186	164	87	136	113	122	113
April	126	179	156	98	172	136	260	181	105	114	201	158	105	72	127	46	133	104	90	49
May	166	129	53	31	47	52	83	159	58	23	52	106	74	31	52	30	40	37	43	43
June	125	55	92	13	26	22	113	131	129	42	28	191	59	25	37	37	38	13	13	21
July	135	44	45	14	12	29	129	53	96	50	33	121	131	16	21	32	75	21	22	29
August	171	46	78	18	28	64	94	95	62	16	52	174	73	18	20	38	16	12	11	18
September	150	15	30	22	33	83	35	56	21	12	79	84	27	32	14	33	27	15	14	46
October	198	135	11	42	24	91	34	53	48	16	177	72	37	15	16	62	127	24	9	36
November	133	285	42	80	35	184	63	73	116	46	79	50	100	50	60	36	228	54	9	31
December	35	63	26	38	35	66	55	40	22	8	50	19	31	22	17	25	29	33	4	18
TOTAL	1761	1290	982	552	763	982	1372	1333	939	718	936	1302	864	537	662	549	985	588	415	441

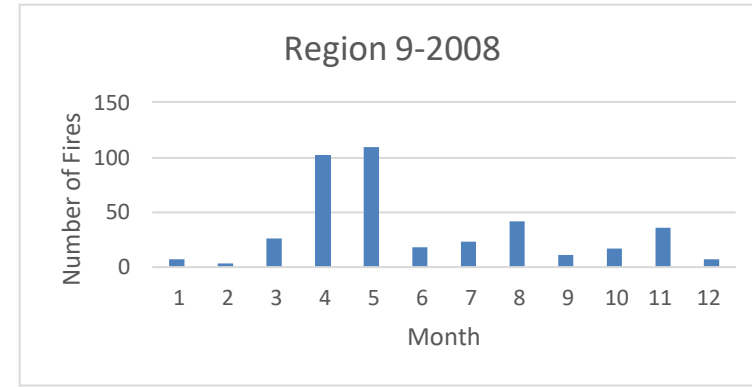
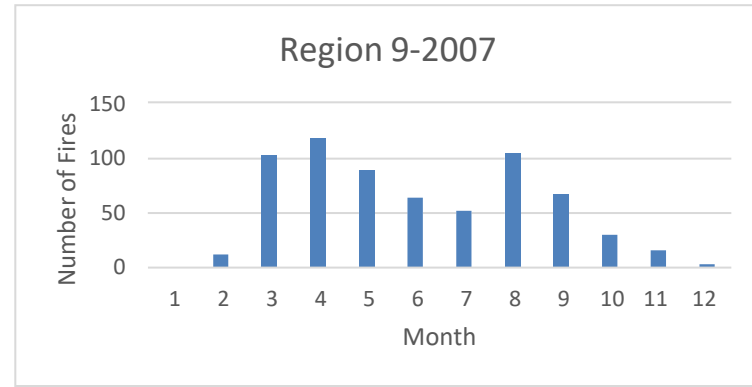
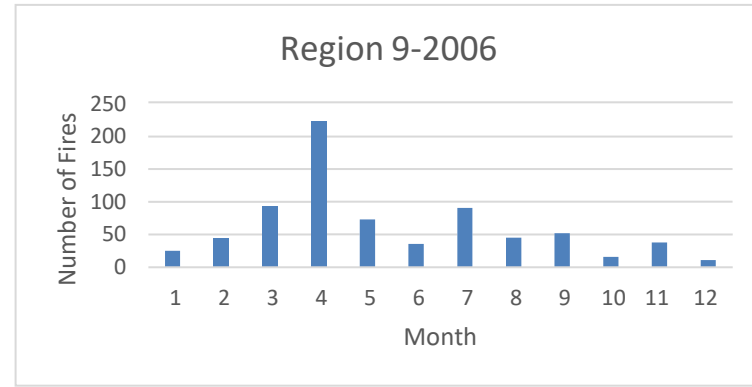
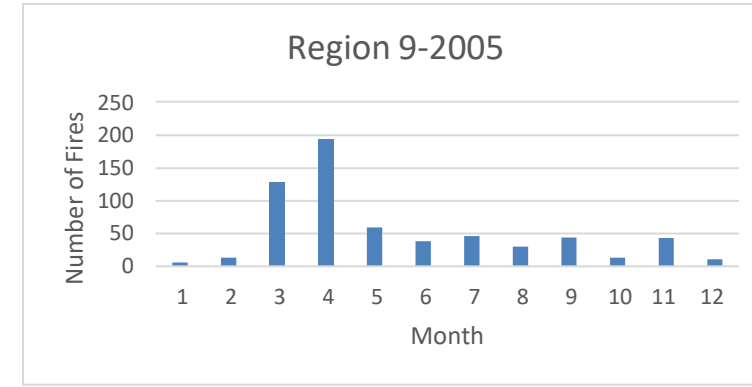
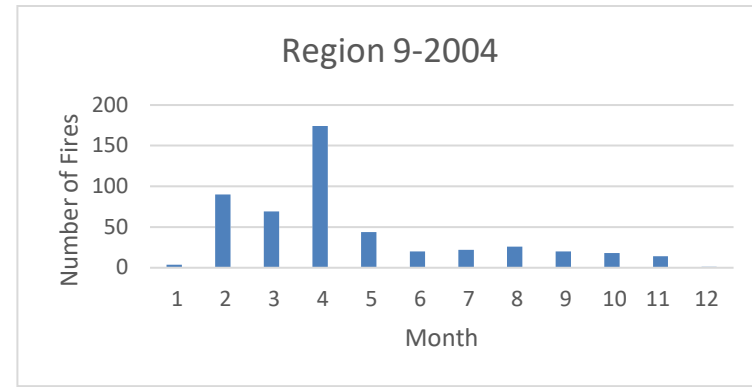
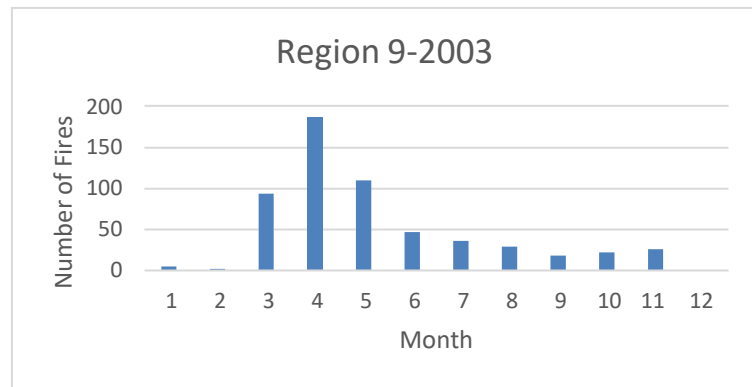
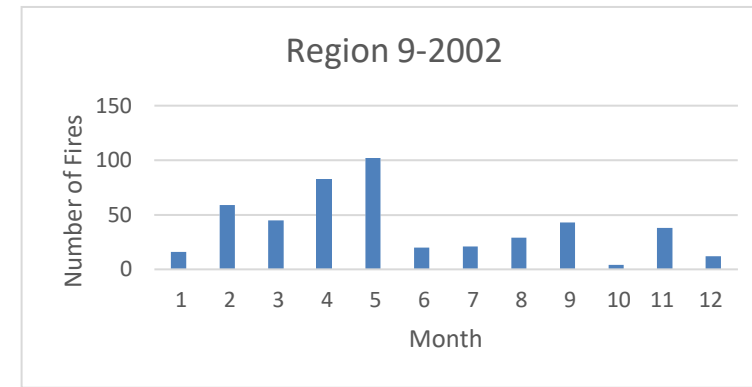
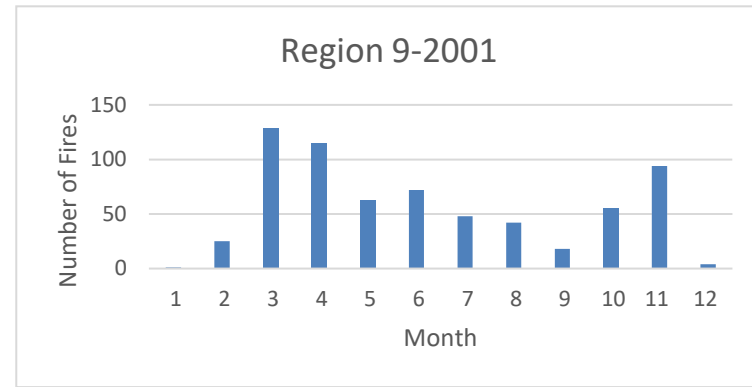
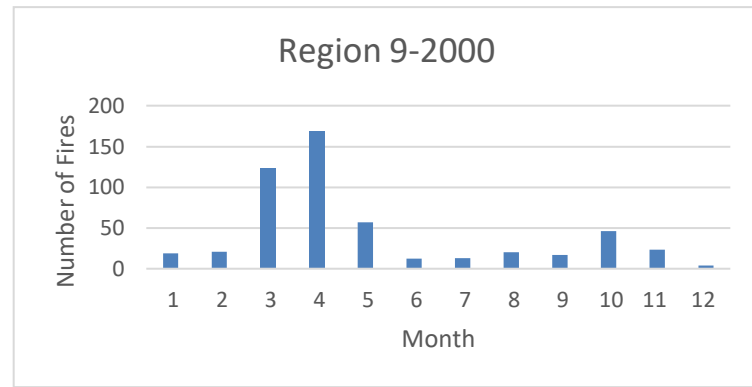


Fires burned in Region 8 by month and year

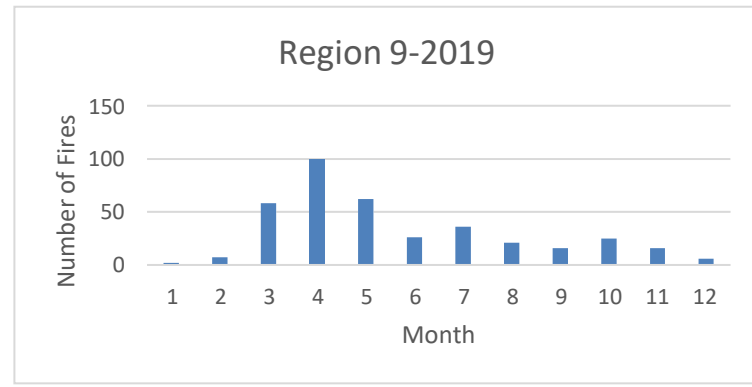
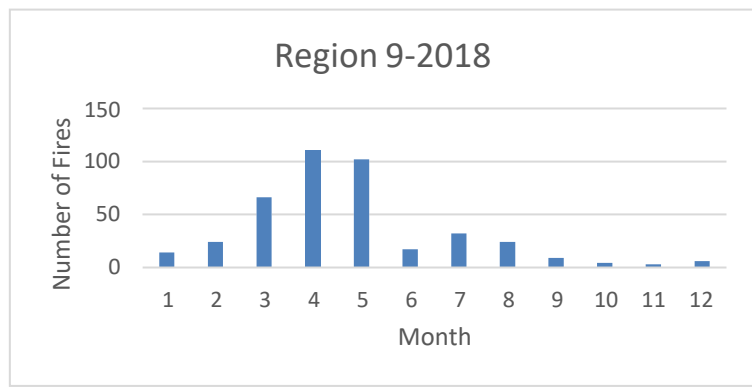
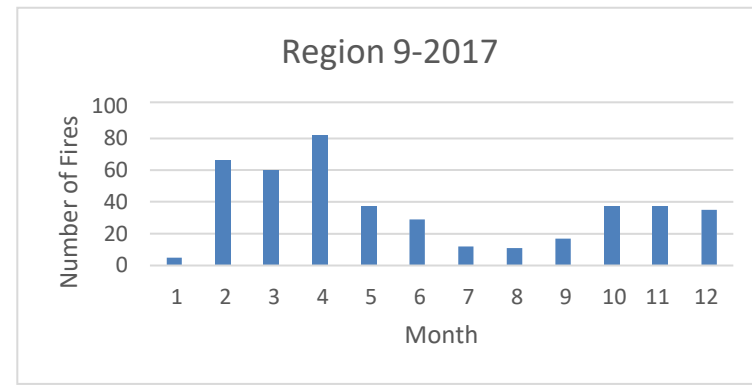
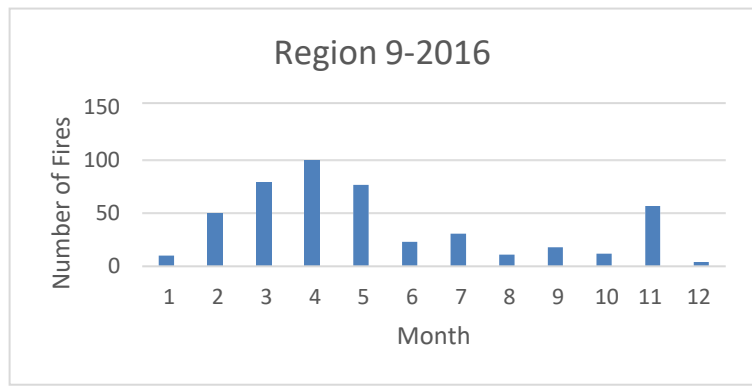
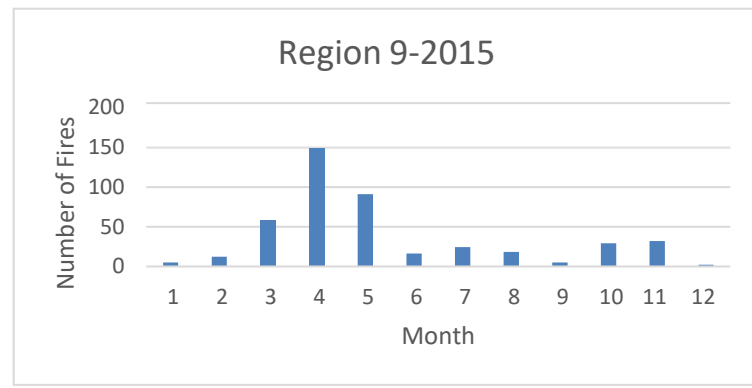
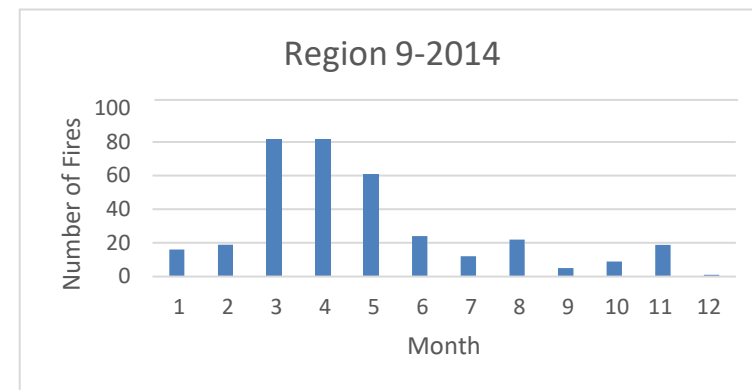
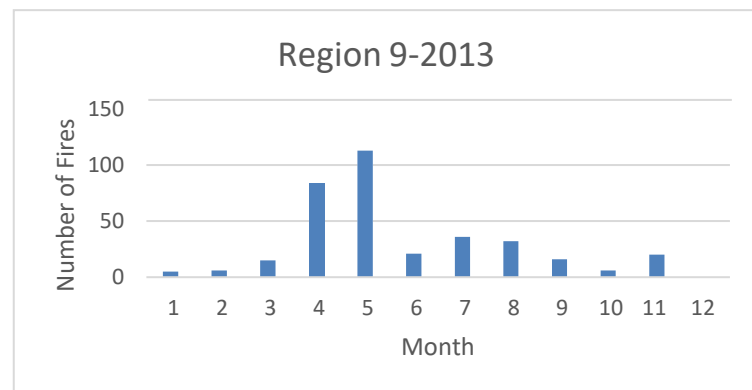
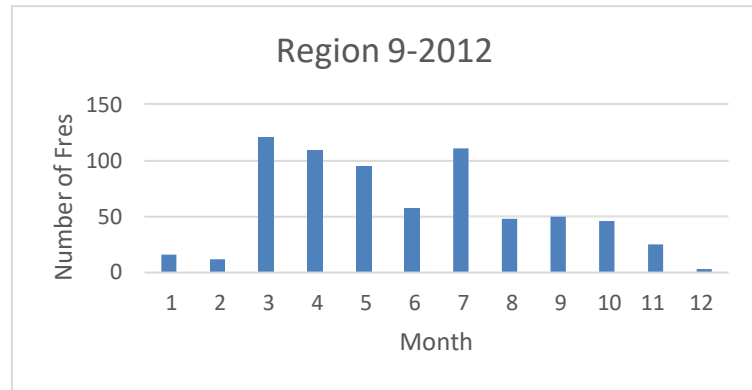
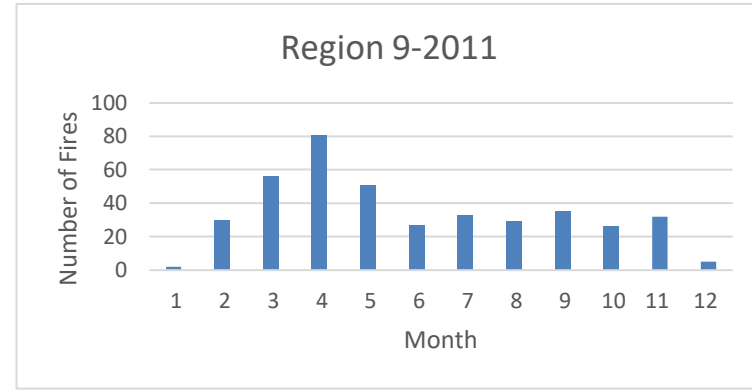
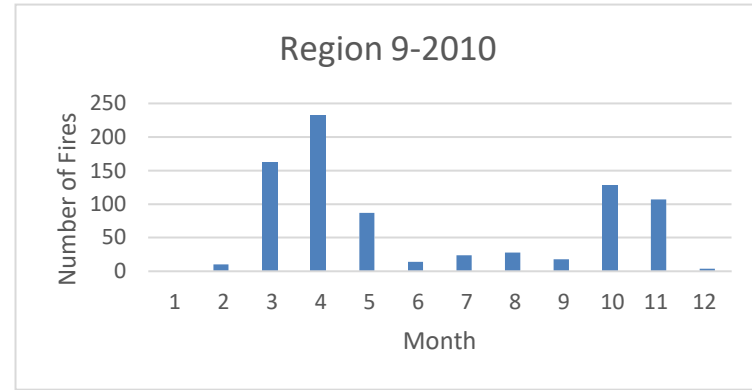
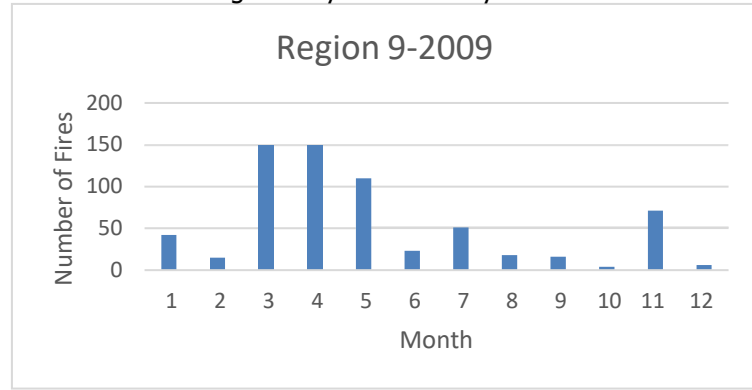


Fires burned in Region 9 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	19	1	16	5	4	6	25	0	7	42	0	2	16	5	16	5	10	5	14	2
February	21	25	59	2	90	13	44	12	3	15	10	30	12	6	19	12	50	66	24	7
March	124	129	45	94	69	128	93	103	26	149	162	56	121	15	82	58	80	60	66	58
April	169	115	83	187	174	195	224	119	102	149	232	81	110	84	82	149	100	82	111	99
May	57	63	102	110	44	59	73	89	110	110	87	51	95	113	61	91	77	37	102	62
June	12	72	20	47	20	38	36	64	18	23	14	27	58	21	24	16	23	29	17	26
July	13	48	21	36	22	46	91	52	23	51	24	33	111	36	12	24	31	12	32	36
August	20	42	29	29	26	30	45	105	42	18	28	29	48	32	22	18	11	11	24	21
September	17	18	43	18	20	44	52	67	11	16	18	35	50	16	5	5	18	17	9	16
October	46	56	4	22	18	13	16	30	17	4	129	26	46	6	9	29	12	37	4	25
November	23	94	38	26	14	43	38	16	36	71	107	32	25	20	19	32	57	37	3	16
December	4	4	12	0	1	11	11	3	7	6	4	5	3	0	1	2	4	35	6	6
TOTAL	525	667	472	576	502	626	748	660	402	654	815	407	695	354	352	441	473	428	412	374

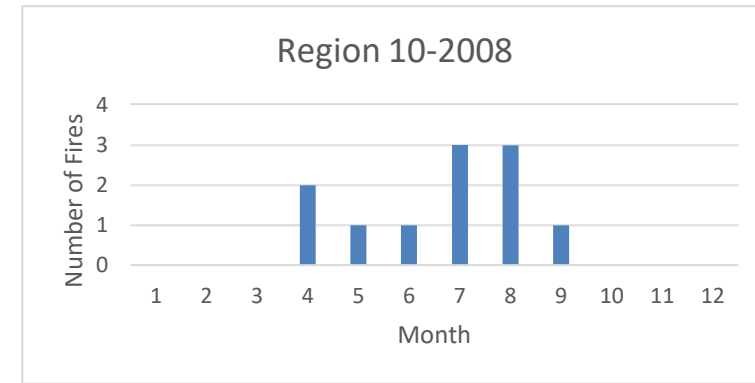
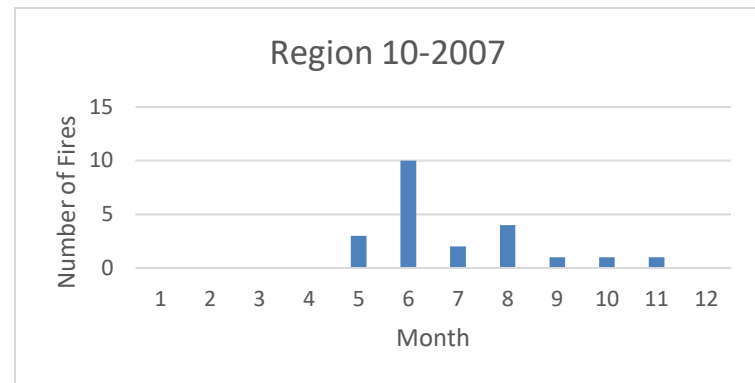
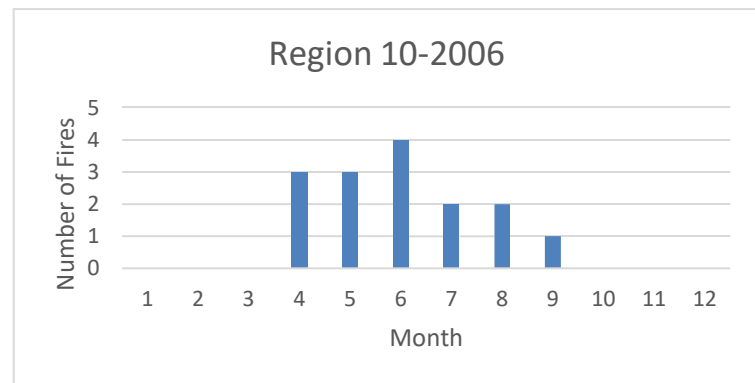
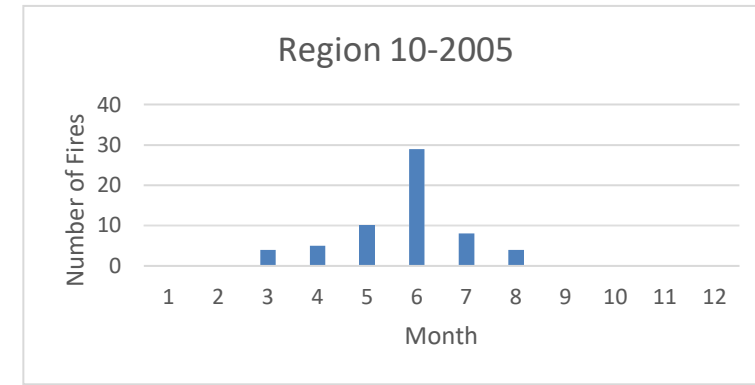
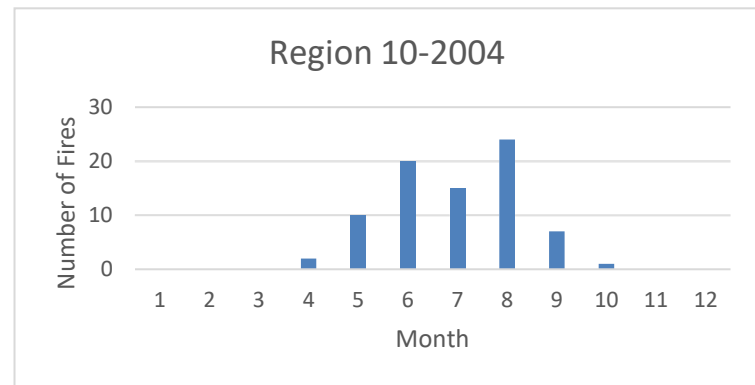
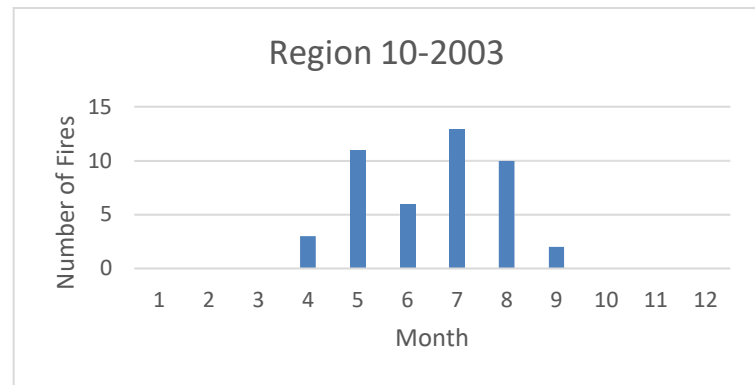
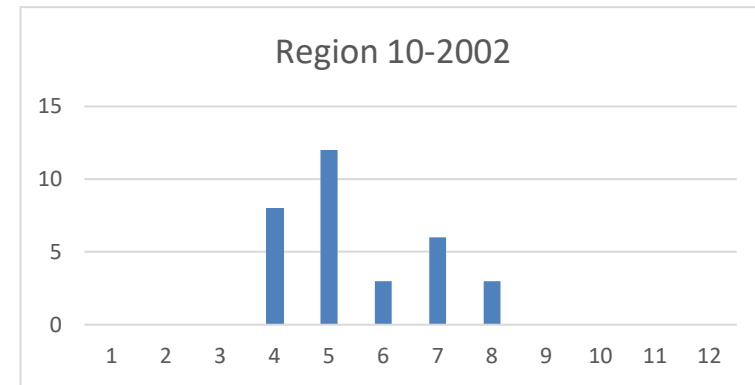
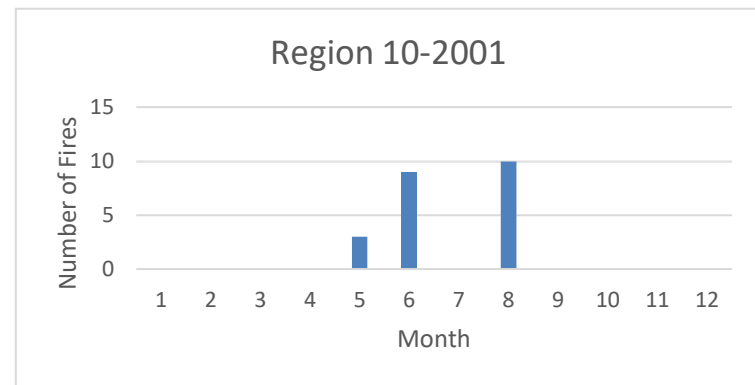
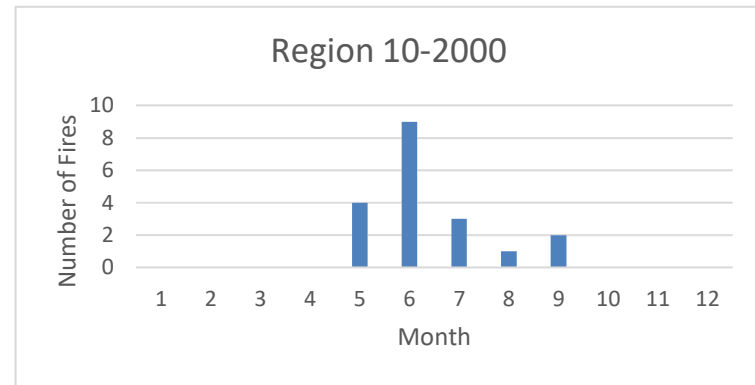


Fires burned in Region 9 by month and year

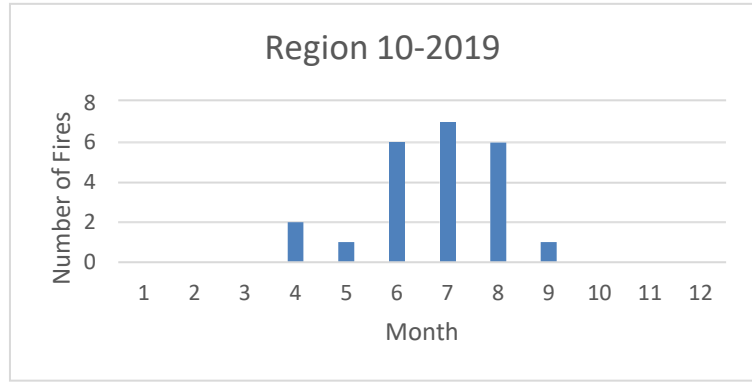
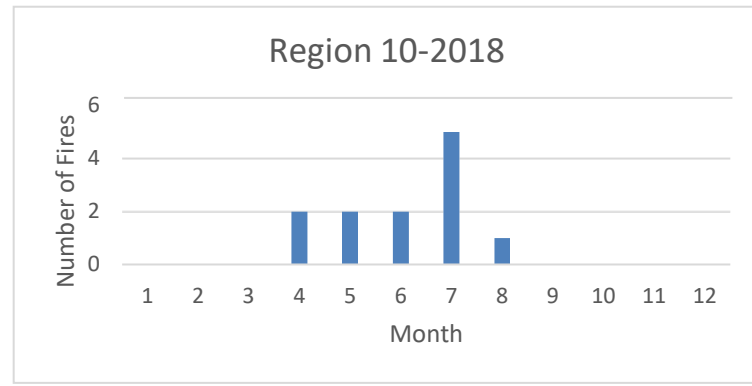
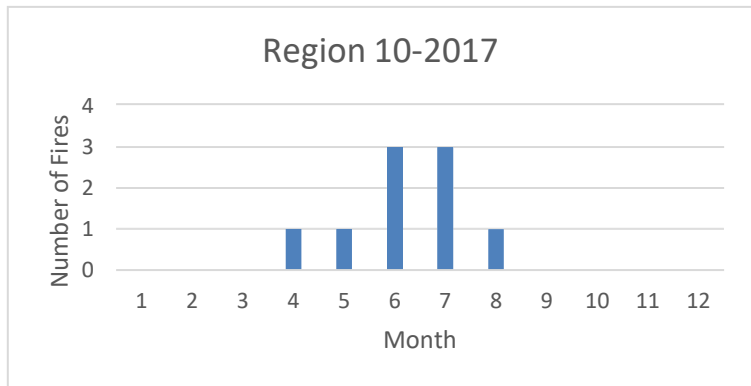
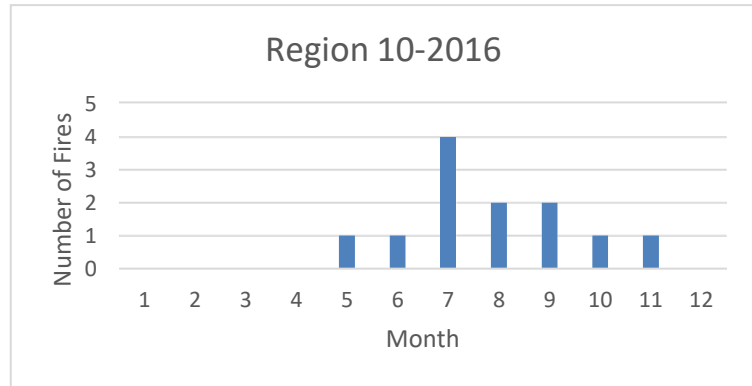
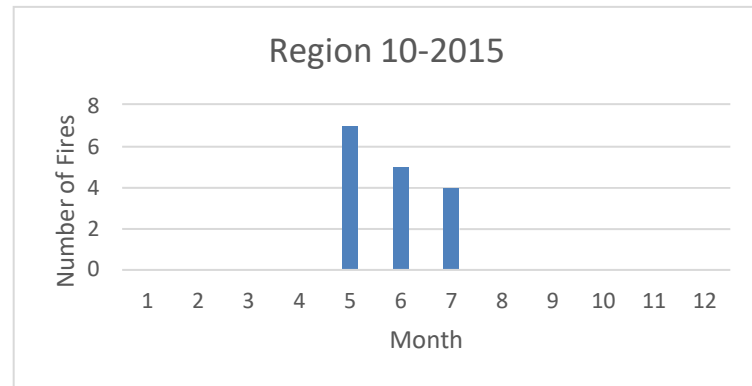
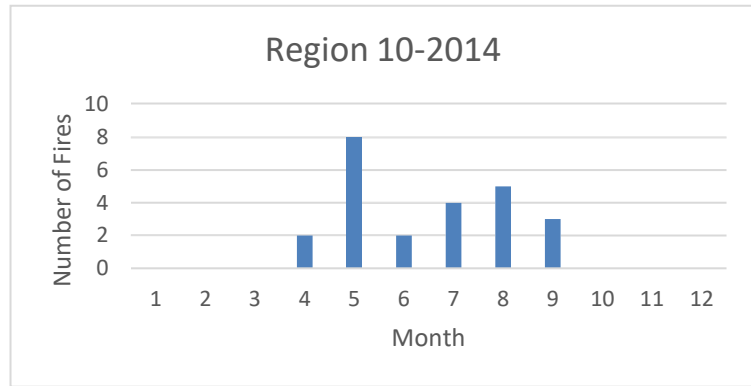
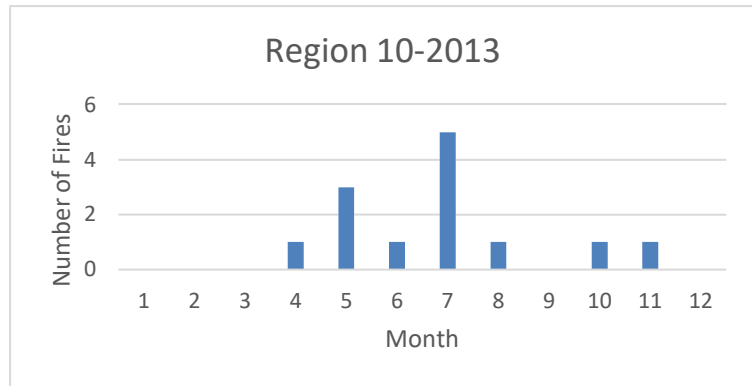
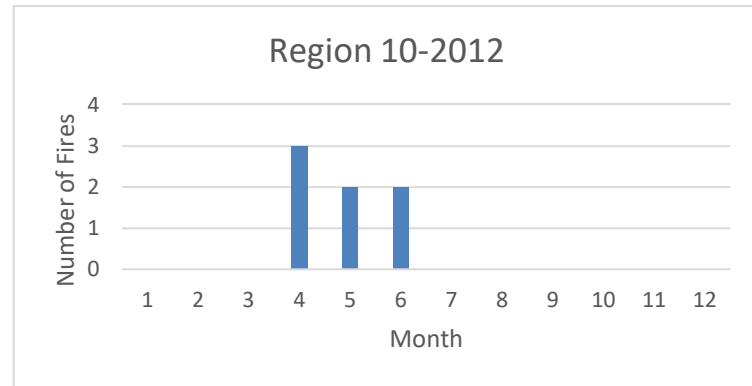
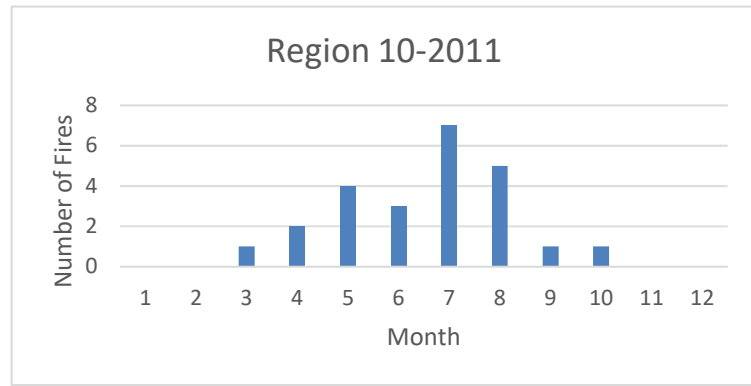
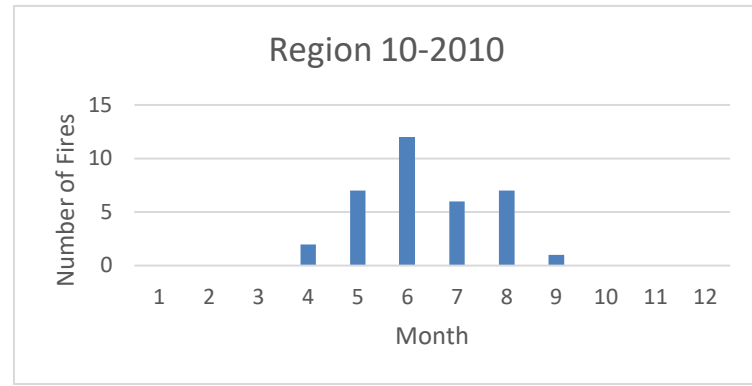
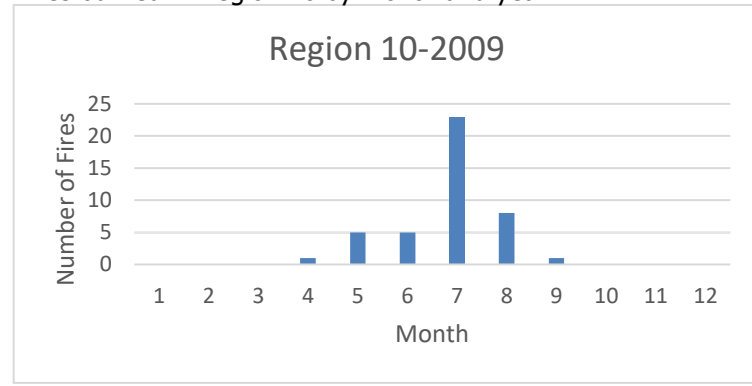


Fires burned in Region 10 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0
April	0	0	8	3	2	5	3	0	2	1	2	2	3	1	2	0	0	1	2	2
May	4	3	12	11	10	10	3	3	1	5	7	4	2	3	8	7	1	1	2	1
June	9	9	3	6	20	29	4	10	1	5	12	3	2	1	2	5	1	3	2	6
July	3	0	6	13	15	8	2	2	3	23	6	7	0	5	4	4	4	3	5	7
August	1	10	3	10	24	4	2	4	3	8	7	5	0	1	5	0	2	1	1	6
September	2	0	0	2	7	0	1	1	1	1	1	1	0	0	3	0	2	0	0	1
October	0	0	0	0	1	0	0	1	0	0	0	1	0	1	0	0	1	0	0	0
November	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	19	22	32	45	79	60	15	22	11	43	35	24	7	13	24	16	12	9	12	23

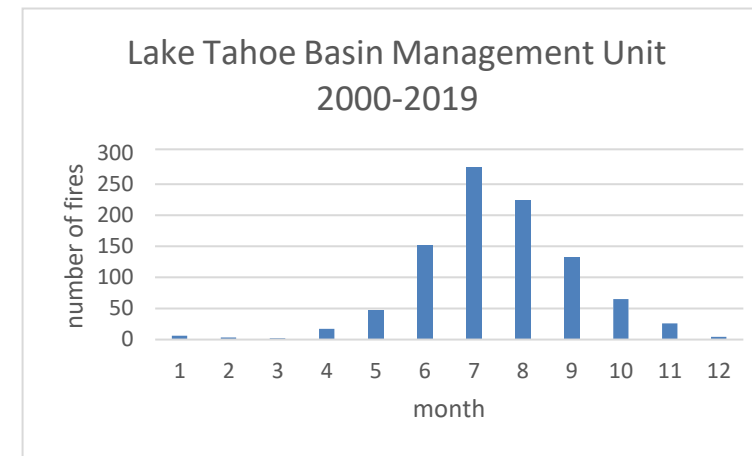
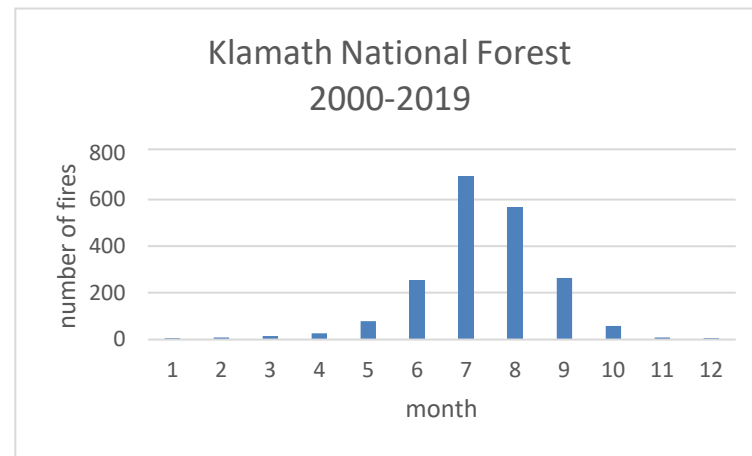
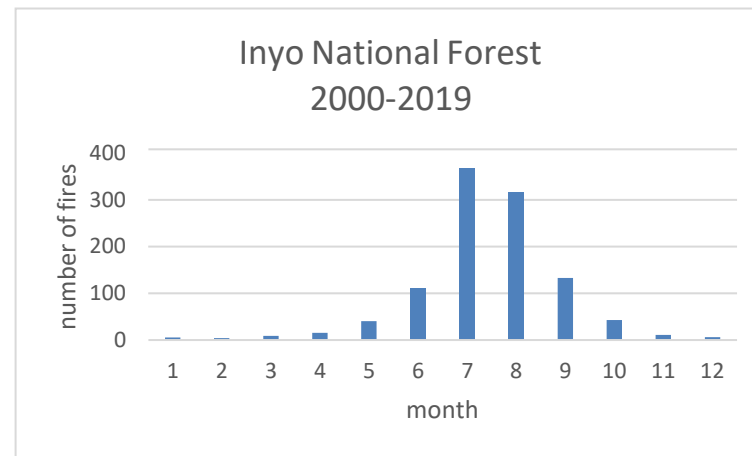
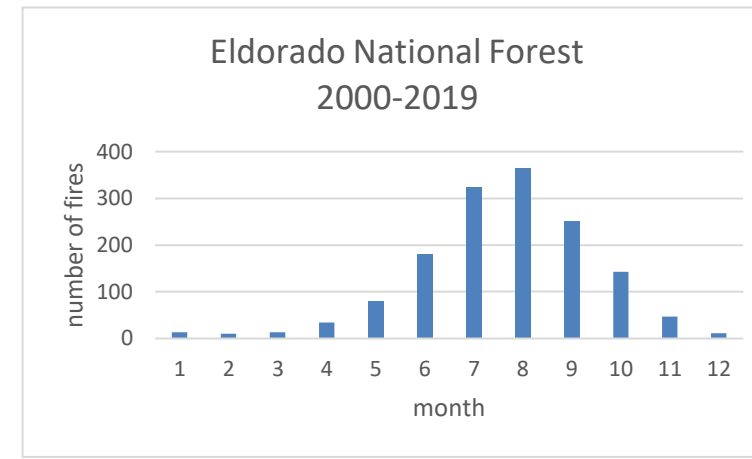
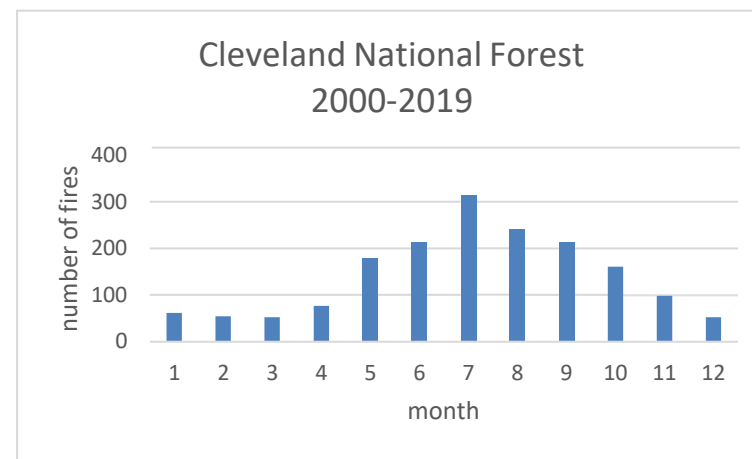
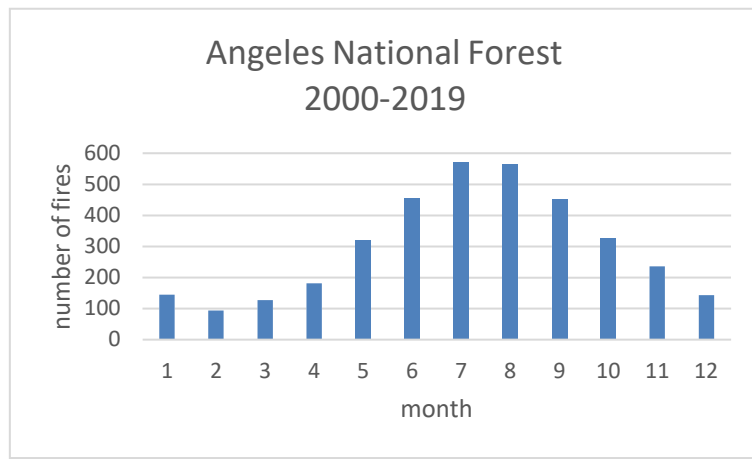


Fires burned in Region 10 by month and year

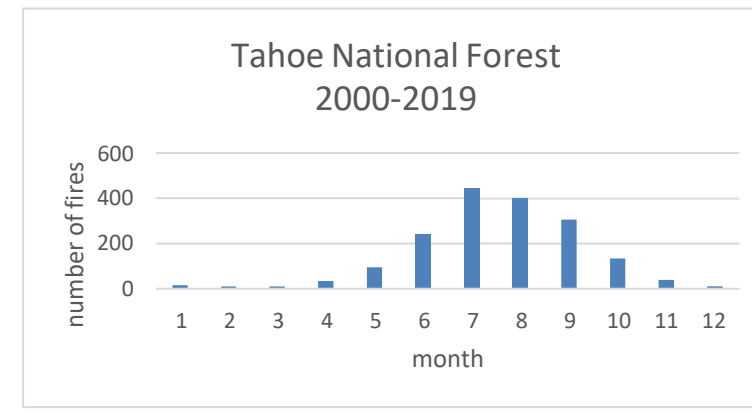
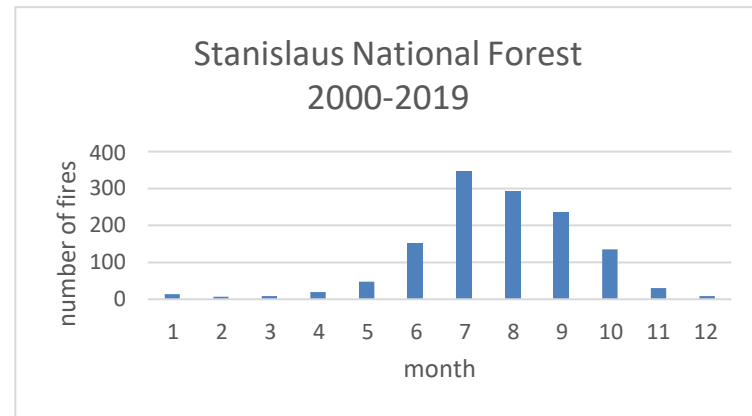
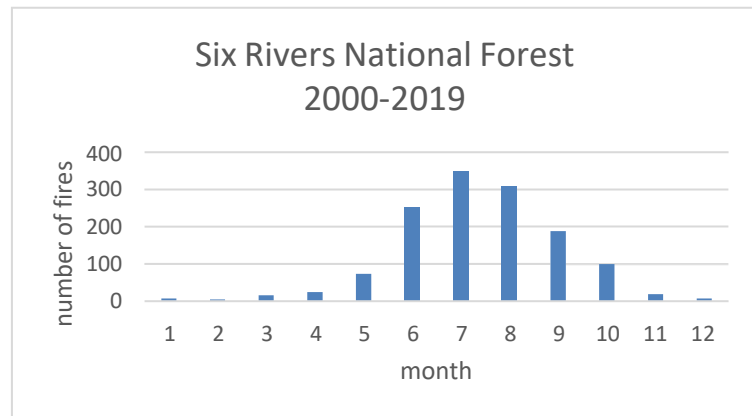
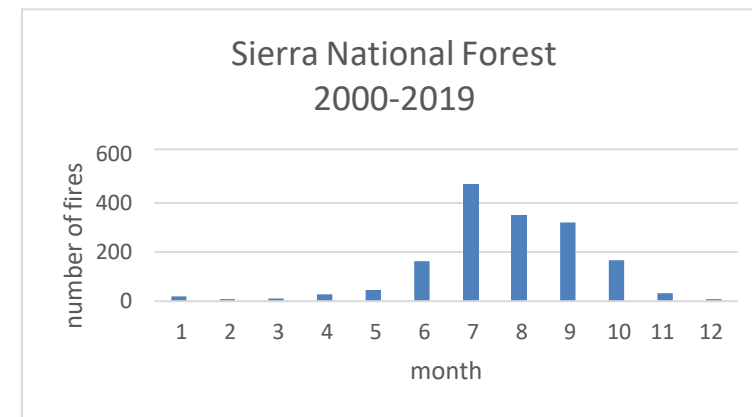
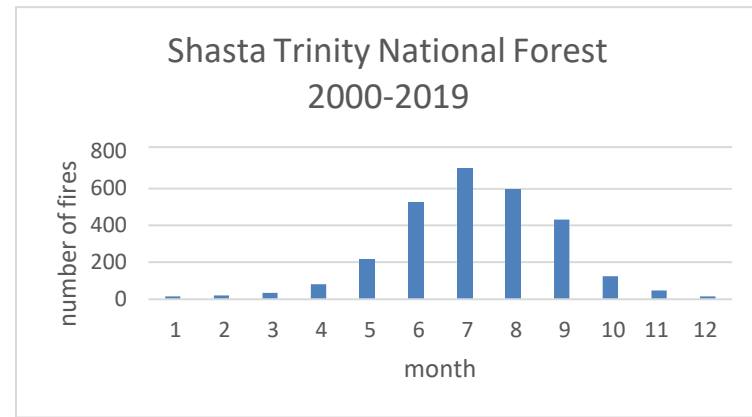
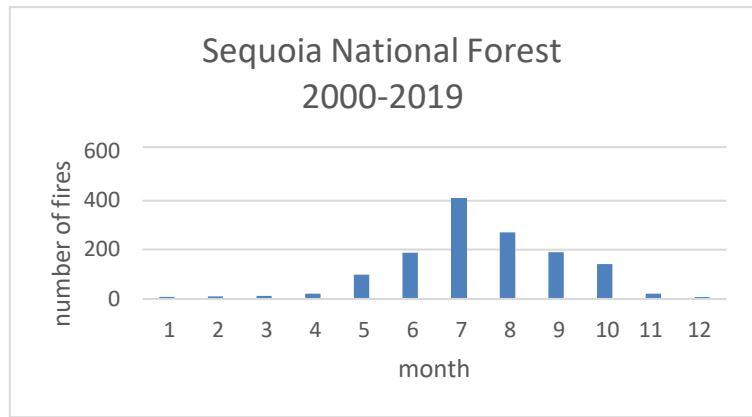
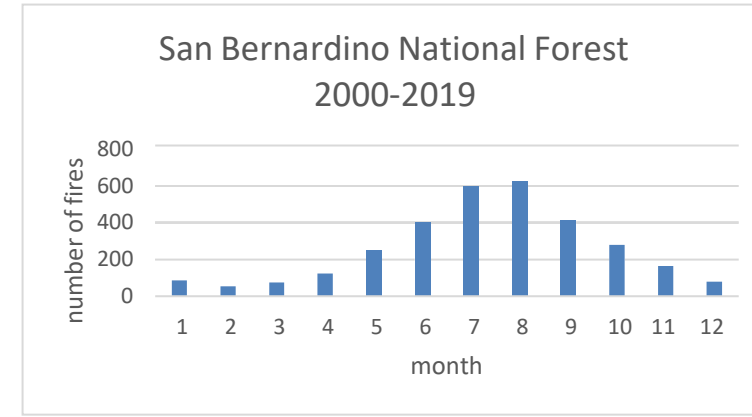
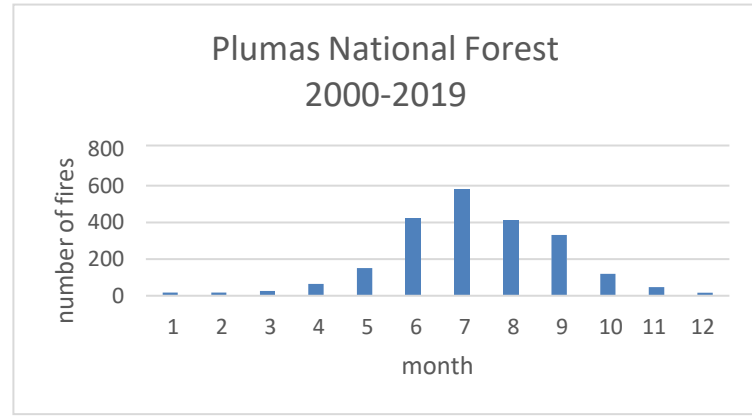
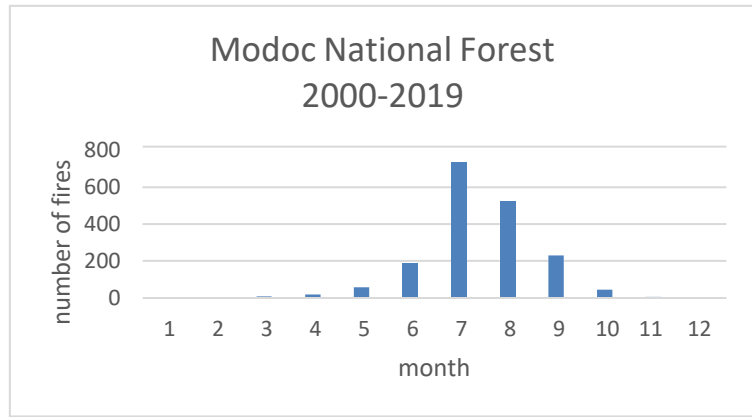
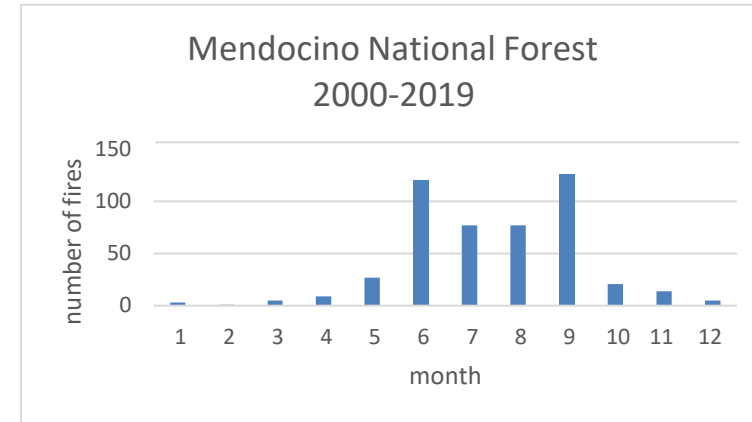
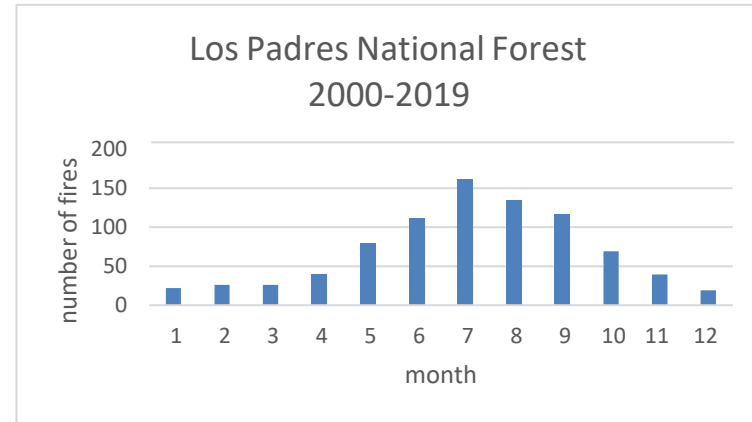
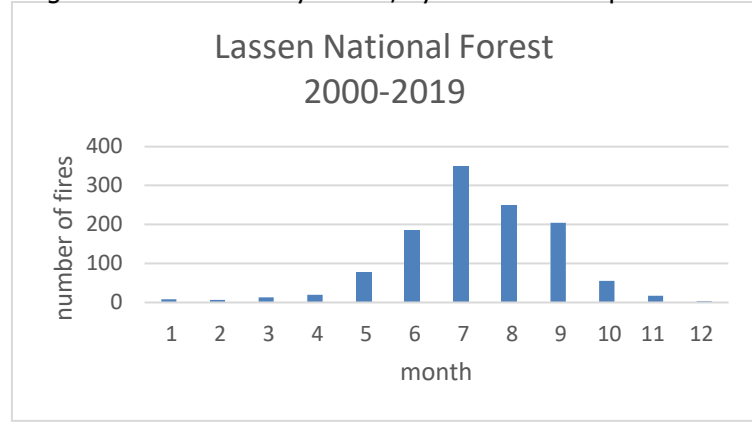


Region 5 Fires burned by Month, by Forest for the period 2000-2019

Forest	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
Angeles	144	94	127	181	321	455	570	567	451	327	236	143	3616
Cleveland	62	54	52	77	178	213	314	242	212	161	98	52	1715
Eldorado	13	10	13	34	80	180	325	366	251	143	47	11	1473
Inyo	5	4	9	15	40	110	366	315	133	42	11	6	1056
Klamath	5	8	14	26	79	256	699	566	264	58	9	5	1989
LTBMU	6	3	2	17	47	152	278	224	132	65	26	4	956
Lassen	8	7	13	20	78	186	349	251	204	56	17	3	1192
Los Padre	22	26	26	40	80	111	161	134	117	69	39	19	844
Mendocino	3	1	5	9	27	120	77	77	126	21	14	5	485
Modoc	3	5	9	19	59	186	736	524	230	45	6	0	1822
Plumas	17	18	26	65	149	424	581	414	331	119	47	16	2207
San Berna	87	54	75	124	252	403	598	625	413	279	164	80	3154
Sequoia	8	10	13	21	98	189	407	271	190	141	21	7	1376
Shasta-Tr	15	21	34	81	215	523	711	594	431	125	48	16	2814
Sierra	19	9	12	29	46	163	475	349	320	166	32	9	1629
Six Rivers	7	4	15	24	73	252	349	310	188	100	19	7	1348
Stanislaus	14	7	9	19	48	152	347	292	236	135	30	9	1298
Tahoe	15	10	10	34	94	242	443	397	306	134	40	11	1736

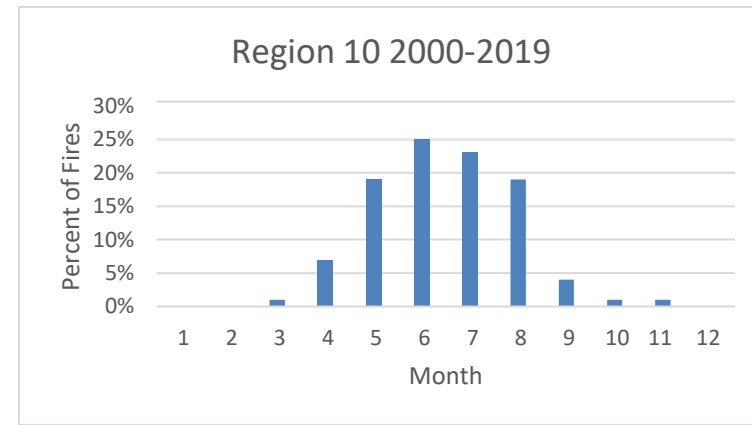
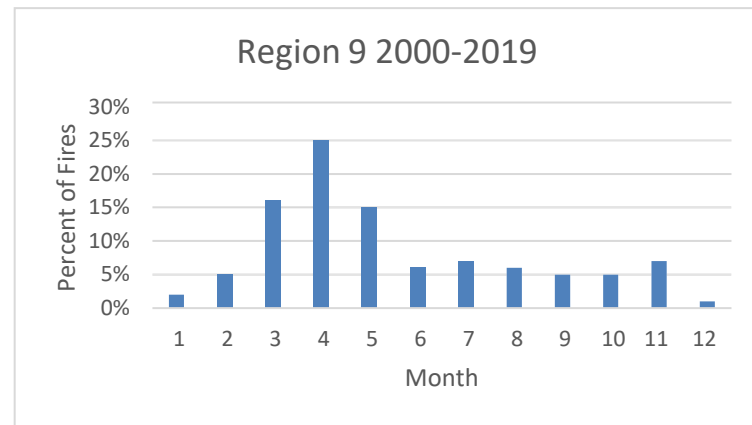
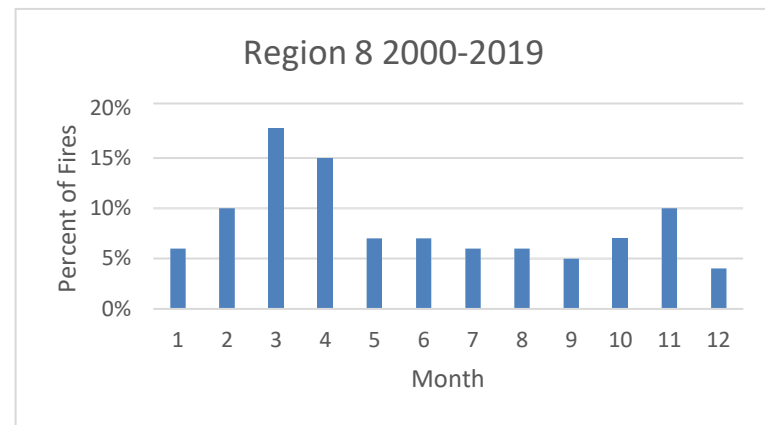
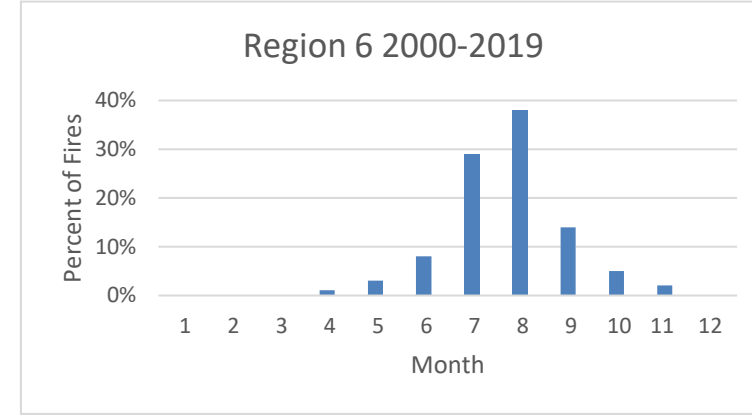
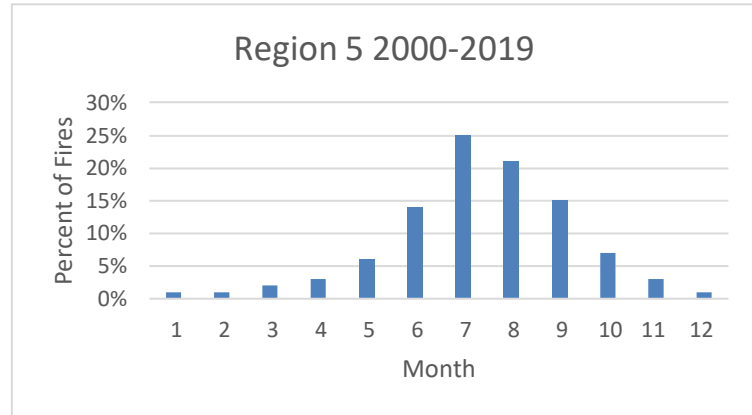
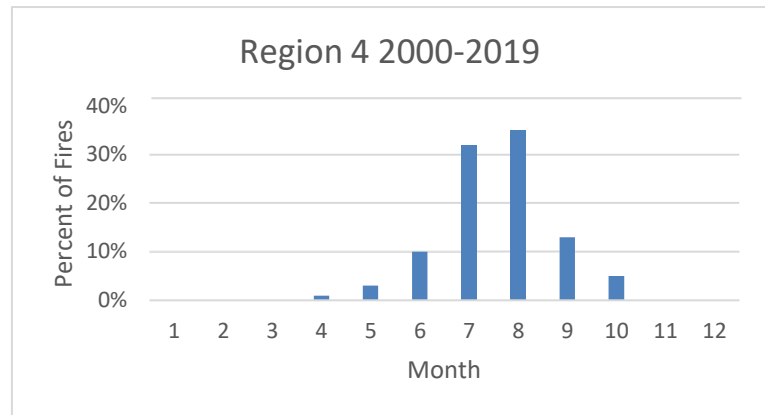
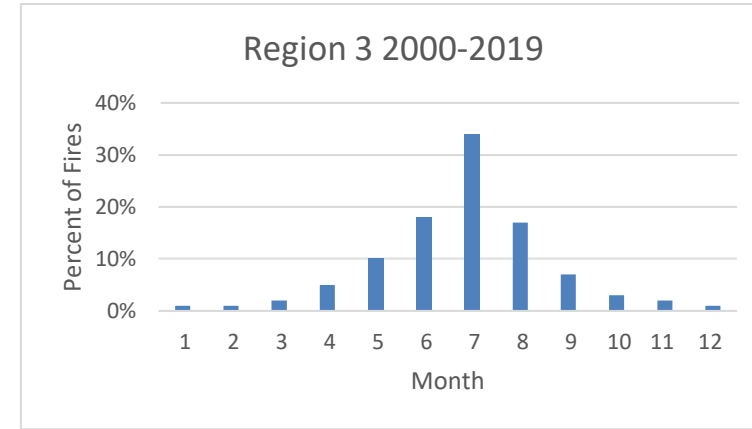
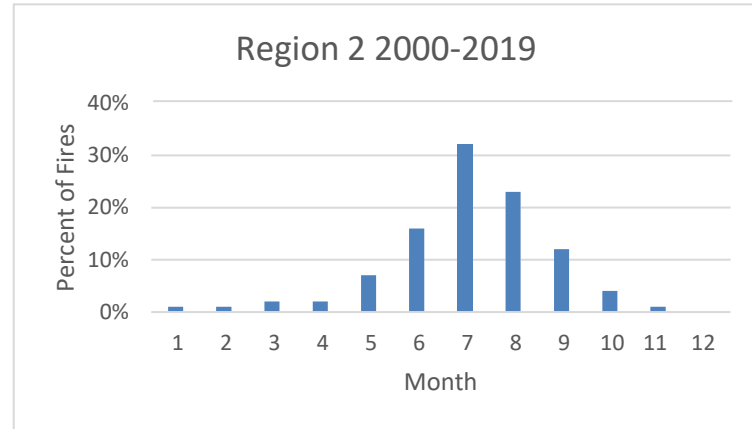
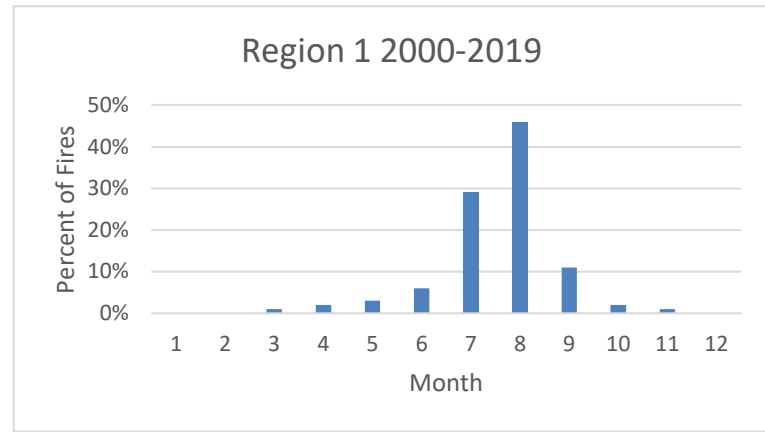


Region 5 Fires burned by Month, by Forest for the period 2000-2019



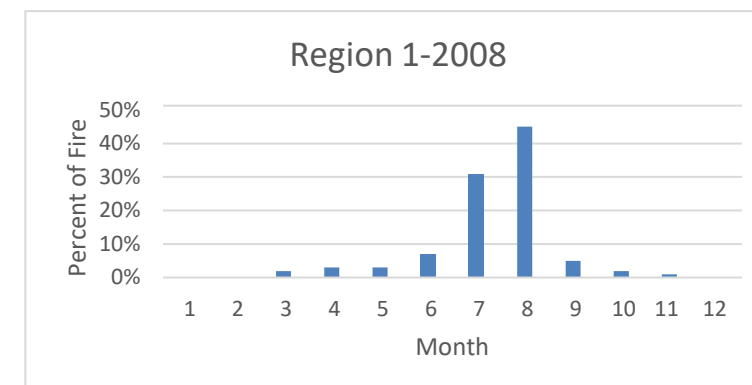
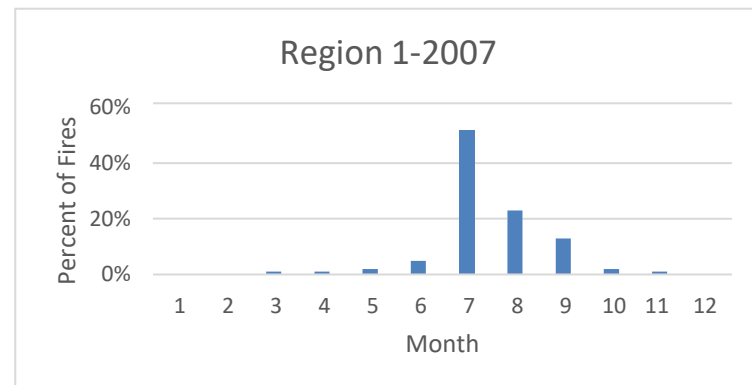
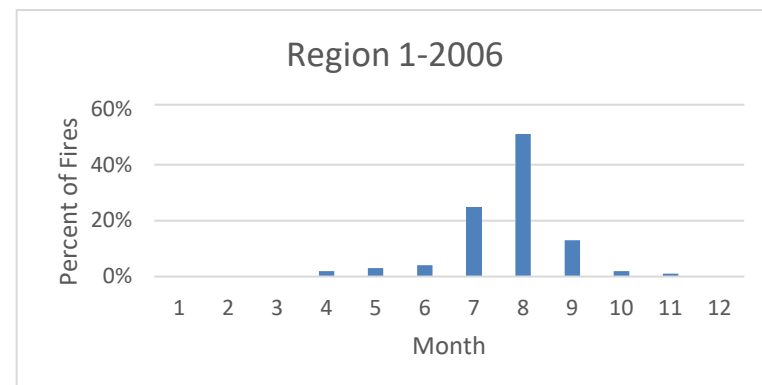
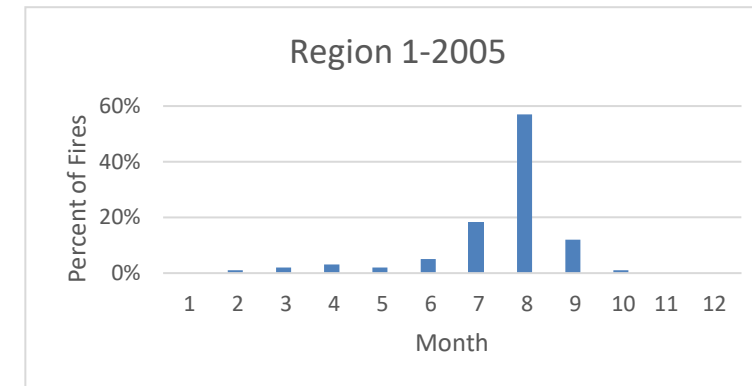
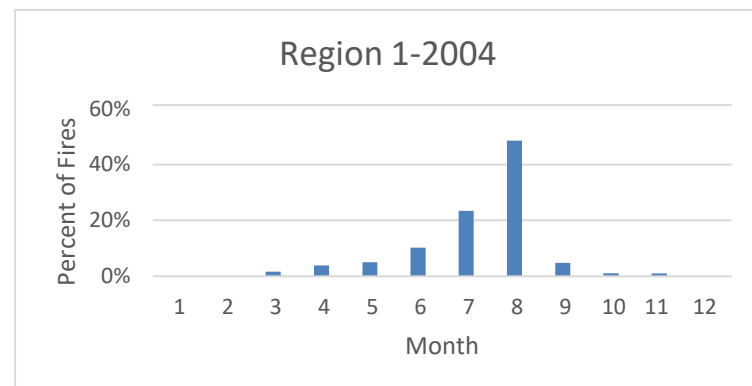
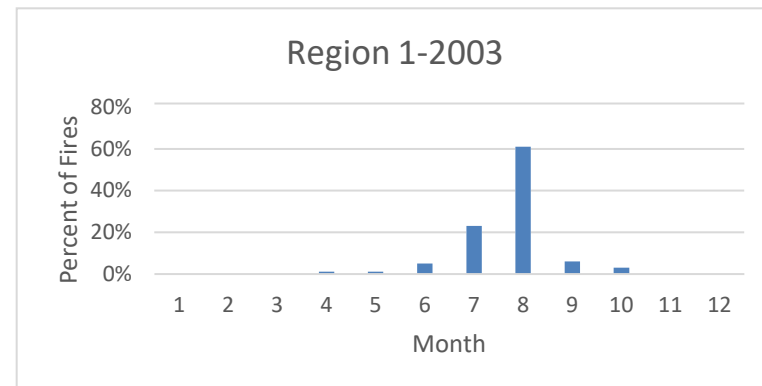
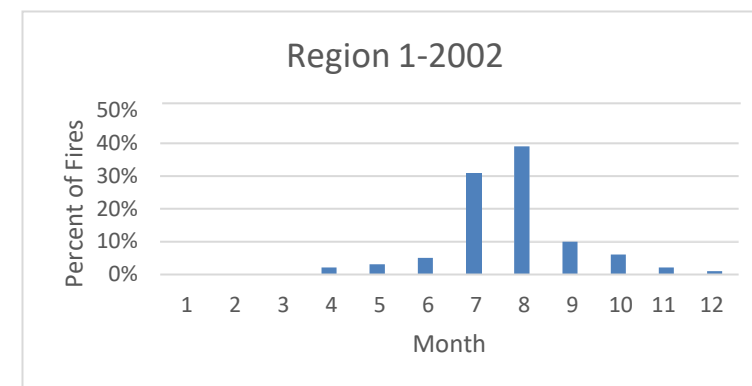
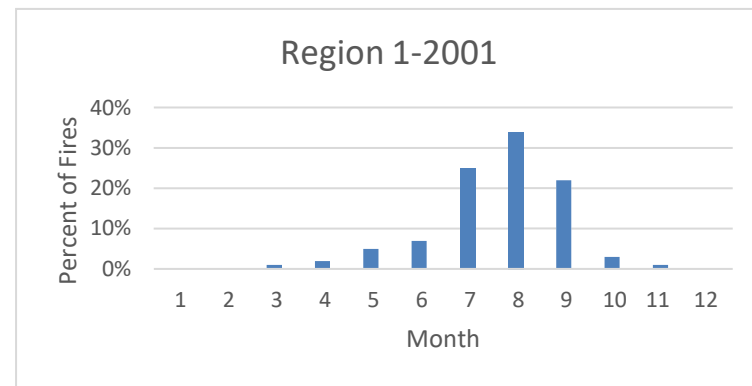
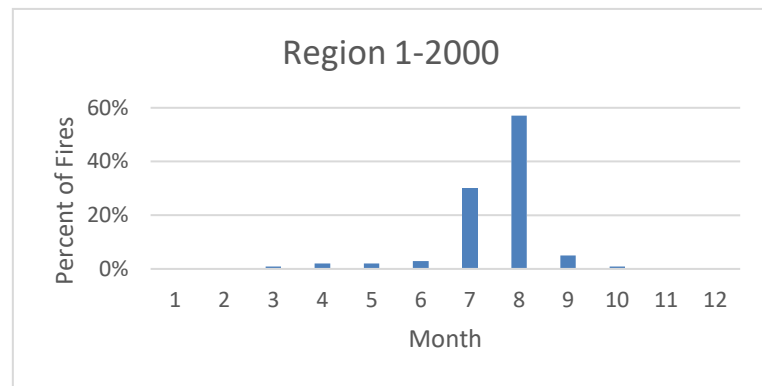
Percent Fires burned by Month, by Region for the period 2000-2019

Region	January	February	March	April	May	June	July	August	September	October	November	December
1	0%	0%	1%	2%	3%	6%	29%	46%	11%	2%	1%	0%
2	1%	1%	2%	2%	7%	16%	32%	23%	12%	4%	1%	0%
3	1%	1%	2%	5%	10%	18%	34%	17%	7%	3%	2%	1%
4	0%	0%	0%	1%	3%	10%	32%	35%	13%	5%	0%	0%
5	1%	1%	2%	3%	6%	14%	25%	21%	15%	7%	3%	1%
6	0%	0%	0%	1%	3%	8%	29%	38%	14%	5%	2%	0%
8	6%	10%	18%	15%	7%	7%	6%	6%	5%	7%	10%	4%
9	2%	5%	16%	25%	15%	6%	7%	6%	5%	5%	7%	1%
10	0%	0%	1%	7%	19%	25%	23%	19%	4%	1%	1%	0%

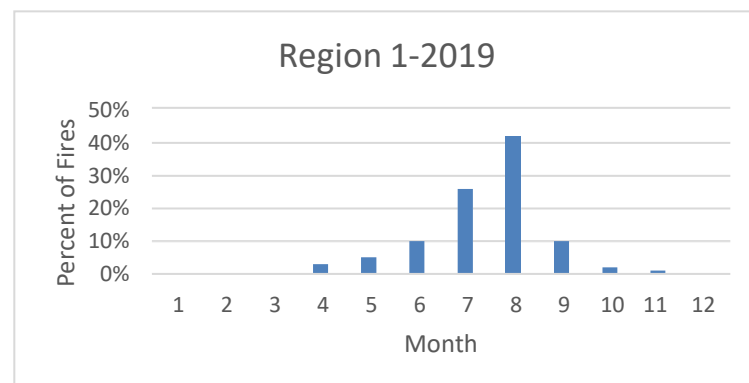
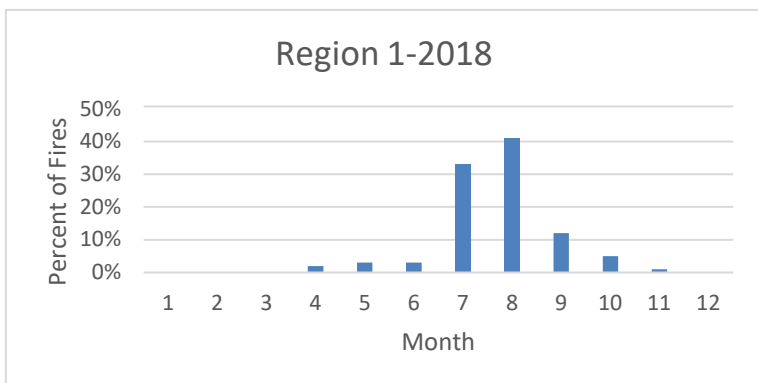
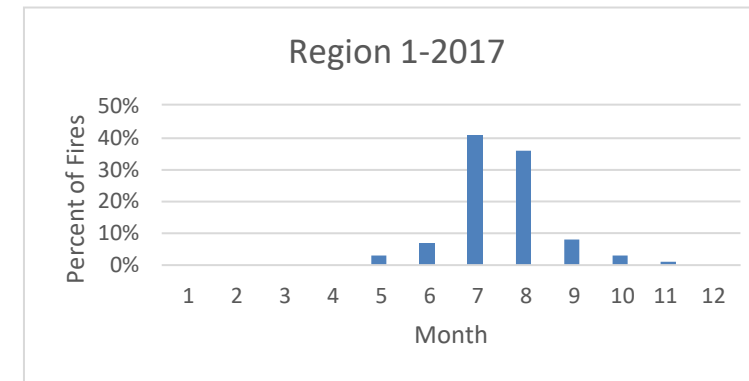
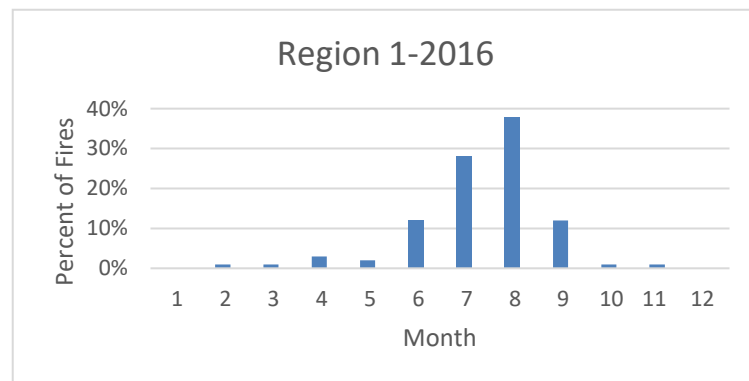
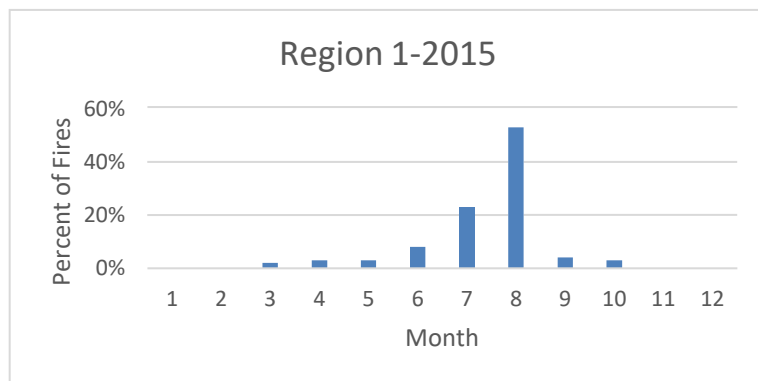
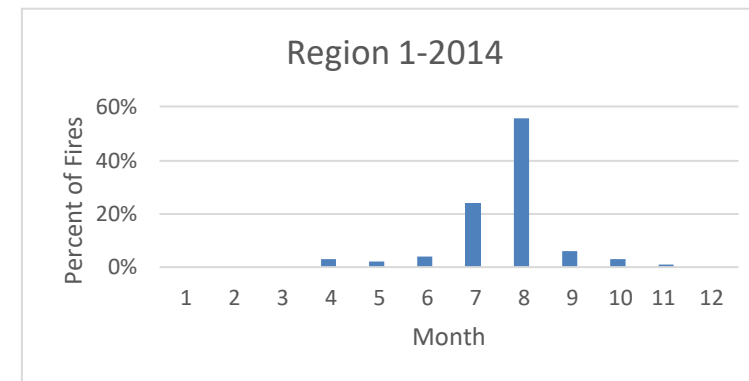
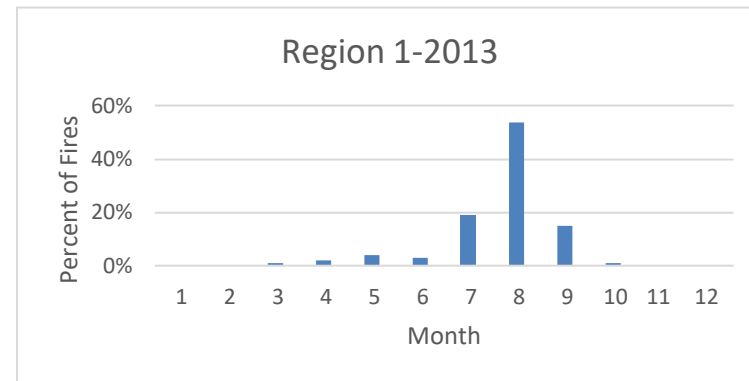
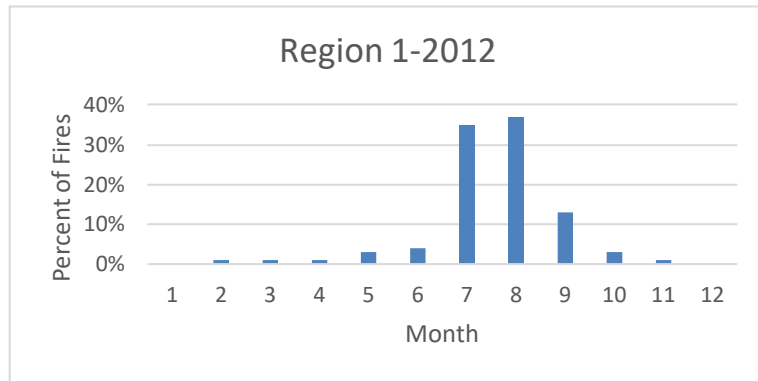
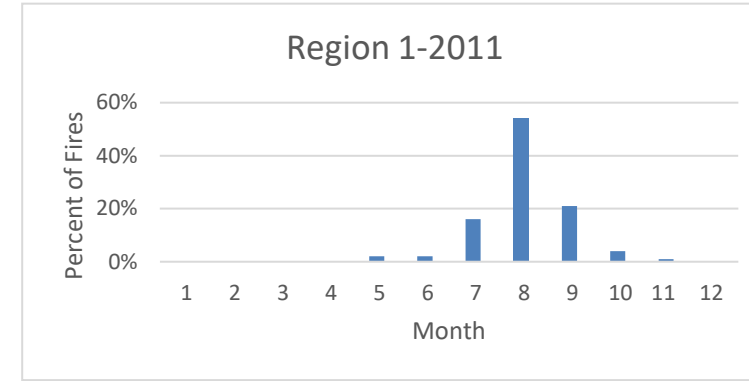
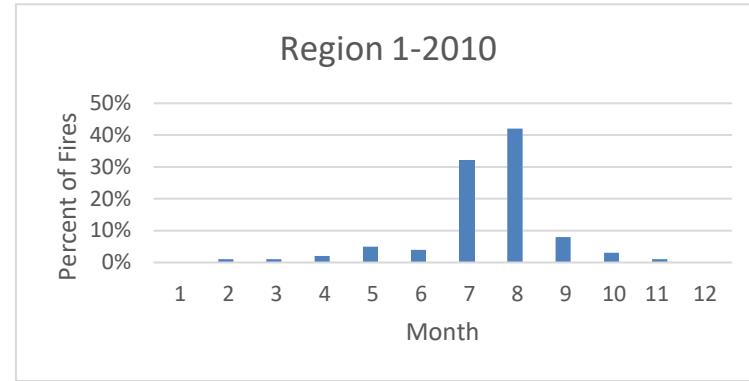
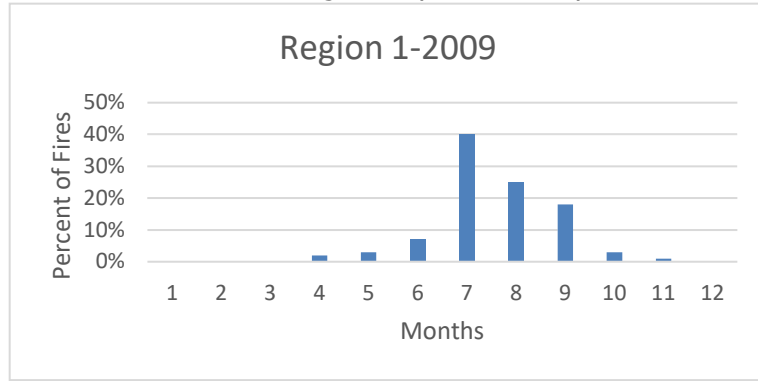


Percent Fires burned in Region 1 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
February	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%	0%	1%	0%	0%	0%	1%	0%	0%	0%
March	1%	1%	0%	0%	2%	2%	0%	1%	2%	0%	1%	0%	1%	1%	0%	2%	1%	0%	0%	0%
April	2%	2%	2%	1%	4%	3%	2%	1%	3%	2%	2%	0%	1%	2%	3%	3%	3%	0%	2%	3%
May	2%	5%	3%	1%	5%	2%	3%	2%	3%	3%	5%	2%	3%	4%	2%	3%	2%	3%	3%	5%
June	3%	7%	5%	5%	10%	5%	4%	5%	7%	7%	4%	2%	4%	3%	4%	8%	12%	7%	3%	10%
July	30%	25%	31%	23%	24%	18%	25%	52%	31%	40%	32%	16%	35%	19%	24%	23%	28%	41%	33%	26%
August	57%	34%	39%	61%	49%	57%	51%	23%	45%	25%	42%	54%	37%	54%	56%	53%	38%	36%	41%	42%
September	5%	22%	10%	6%	5%	12%	13%	13%	5%	18%	8%	21%	13%	15%	6%	4%	12%	8%	12%	10%
October	1%	3%	6%	3%	1%	1%	2%	2%	2%	3%	3%	4%	3%	1%	3%	3%	1%	3%	5%	2%
November	0%	1%	2%	0%	1%	0%	1%	1%	1%	1%	1%	1%	1%	0%	1%	0%	1%	1%	1%	1%
December	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

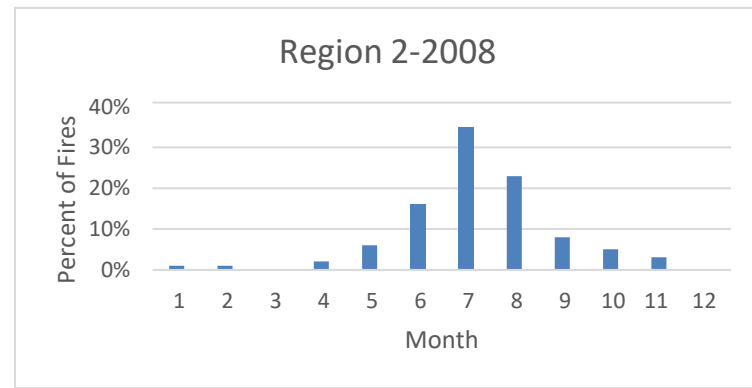
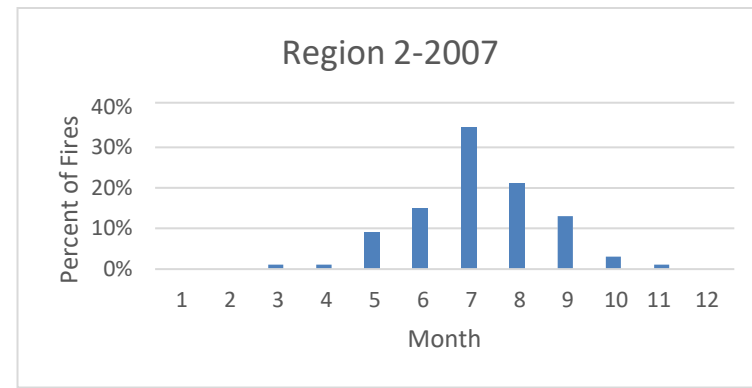
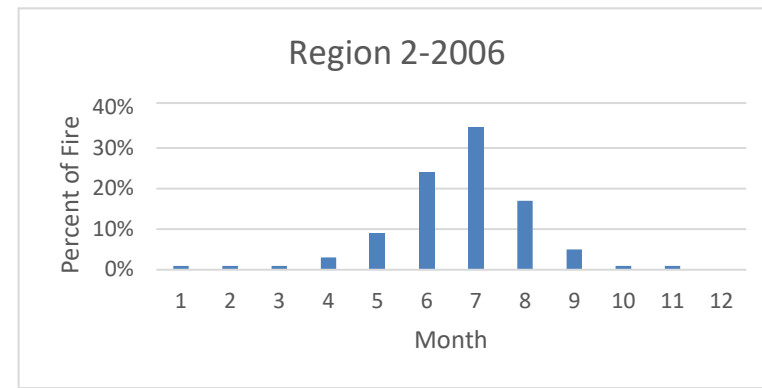
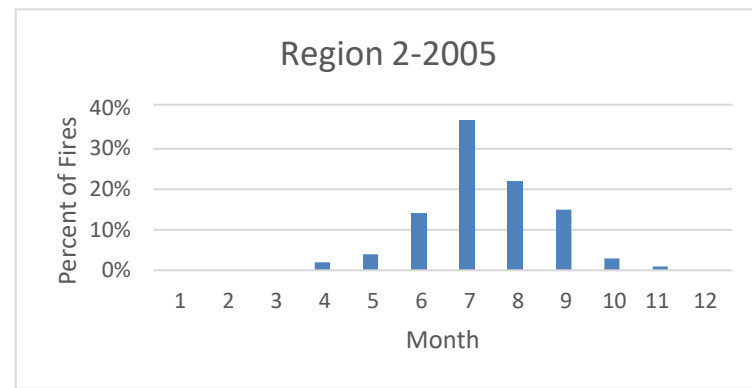
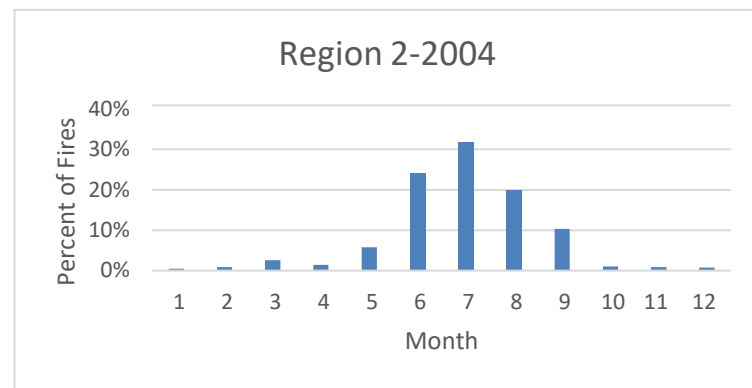
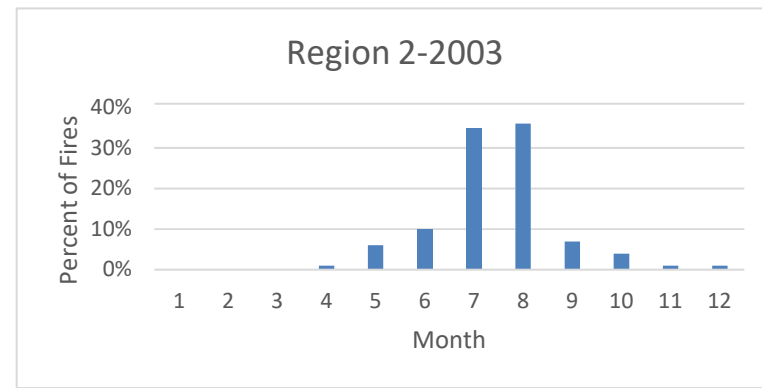
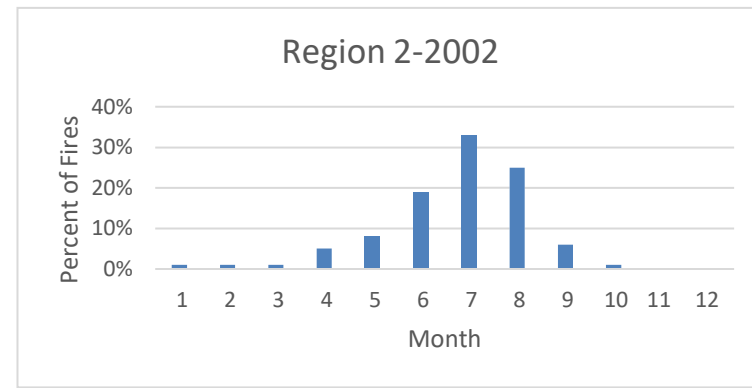
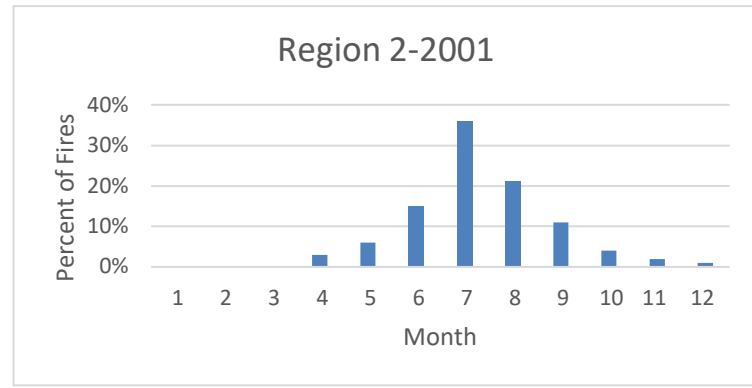
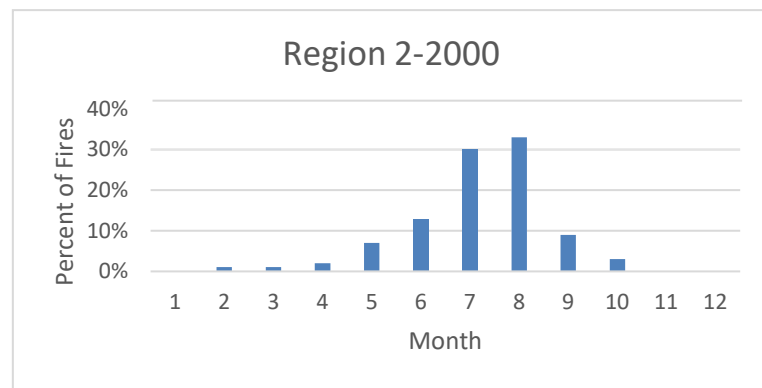


Percent Fires burned in Region 1 by month and year

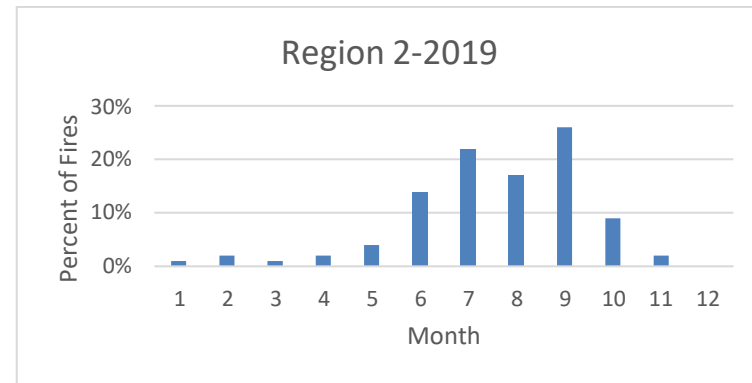
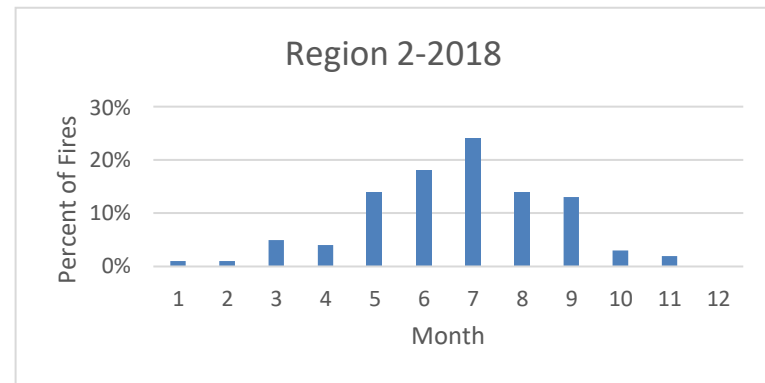
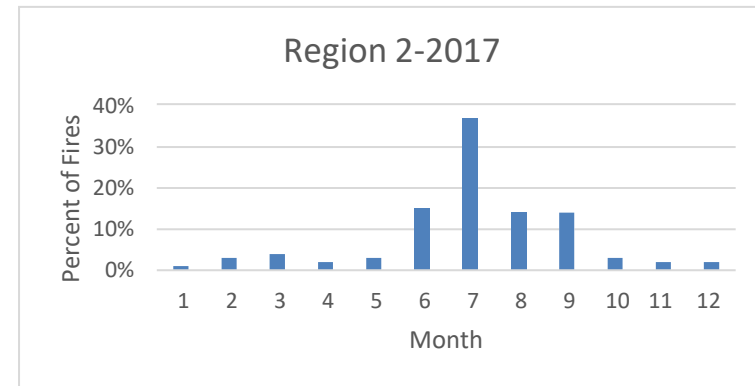
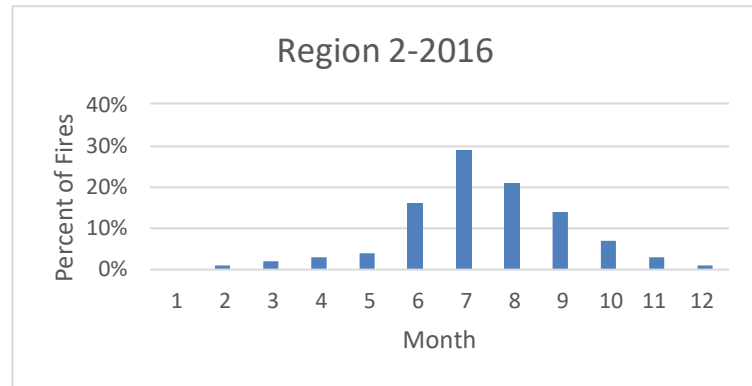
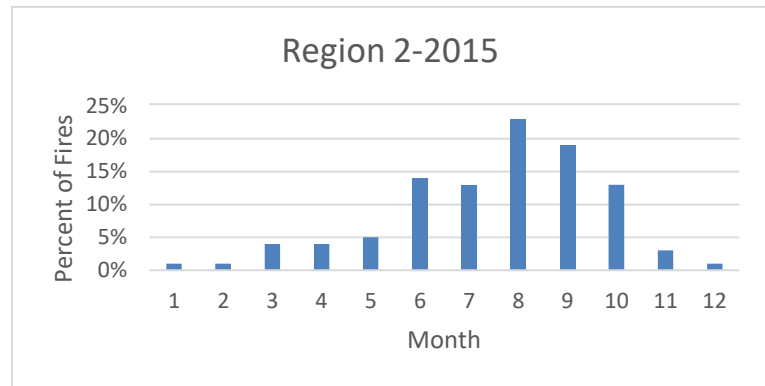
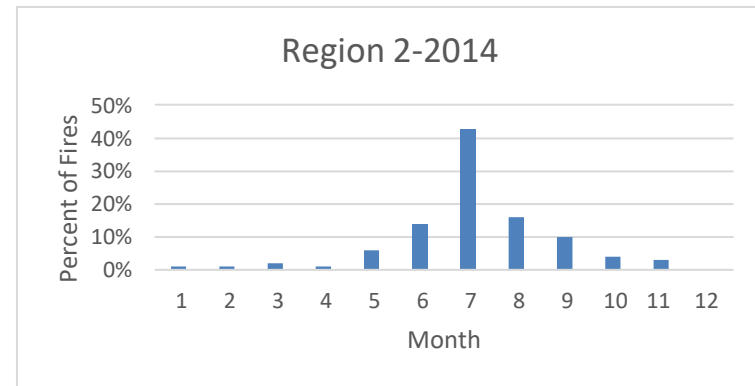
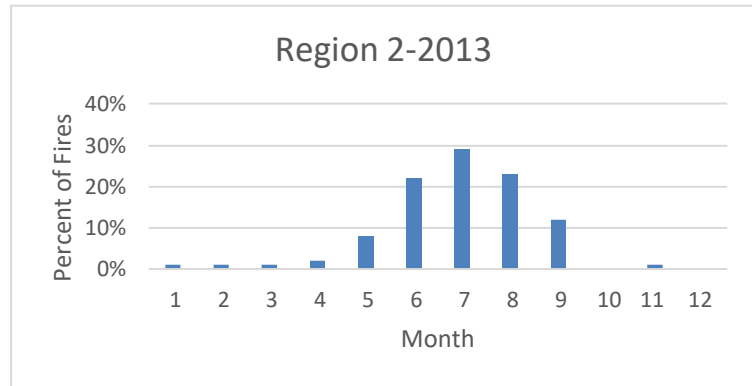
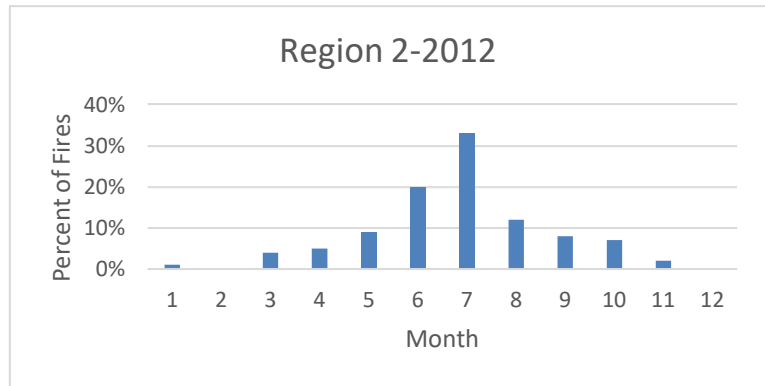
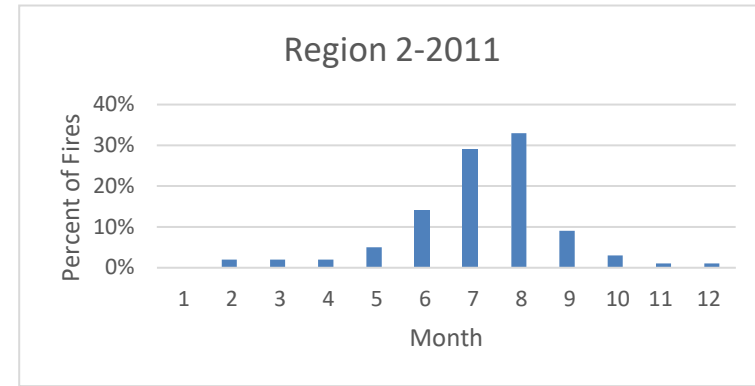
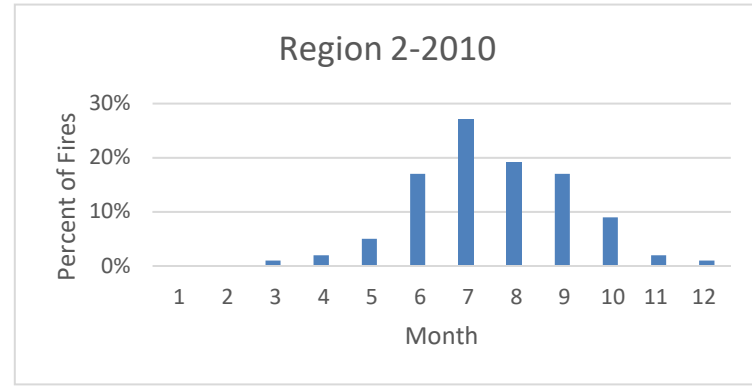
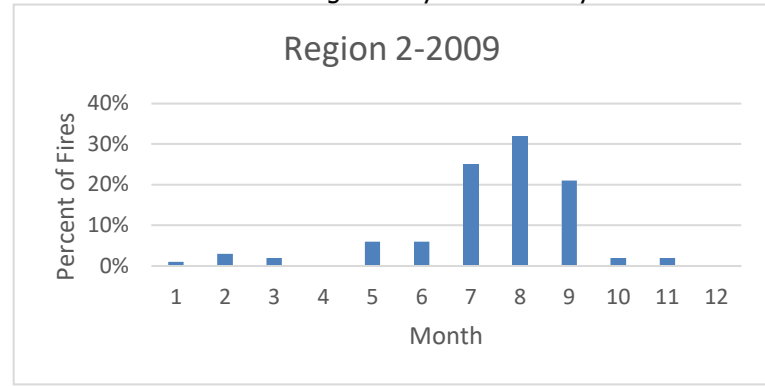


Percent Fires burned in Region 2 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0%	0%	1%	0%	1%	0%	1%	0%	1%	1%	0%	0%	1%	1%	1%	1%	0%	1%	1%	1%
February	1%	0%	1%	0%	1%	0%	1%	0%	1%	3%	0%	2%	0%	1%	1%	1%	1%	3%	1%	2%
March	1%	0%	1%	0%	3%	0%	1%	1%	0%	2%	1%	2%	4%	1%	2%	4%	2%	4%	5%	1%
April	2%	3%	5%	1%	1%	2%	3%	1%	2%	0%	2%	2%	5%	2%	1%	4%	3%	2%	4%	2%
May	7%	6%	8%	6%	6%	4%	9%	9%	6%	6%	5%	5%	9%	8%	6%	5%	4%	3%	14%	4%
June	13%	15%	19%	10%	24%	14%	24%	15%	16%	6%	17%	14%	20%	22%	14%	14%	16%	15%	18%	14%
July	30%	36%	33%	35%	32%	37%	35%	35%	35%	25%	27%	29%	33%	29%	43%	13%	29%	37%	24%	22%
August	33%	21%	25%	36%	20%	22%	17%	21%	23%	32%	19%	33%	12%	23%	16%	23%	21%	14%	14%	17%
September	9%	11%	6%	7%	10%	15%	5%	13%	8%	21%	17%	9%	8%	12%	10%	19%	14%	14%	13%	26%
October	3%	4%	1%	4%	1%	3%	1%	3%	5%	2%	9%	3%	7%	0%	4%	13%	7%	3%	3%	9%
November	0%	2%	0%	1%	1%	1%	1%	1%	3%	2%	2%	1%	2%	1%	3%	3%	3%	2%	2%	2%
December	0%	1%	0%	1%	1%	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%	1%	1%	2%	0%	0%

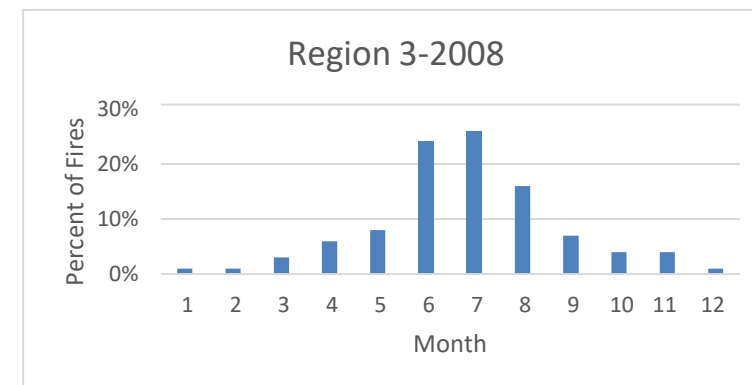
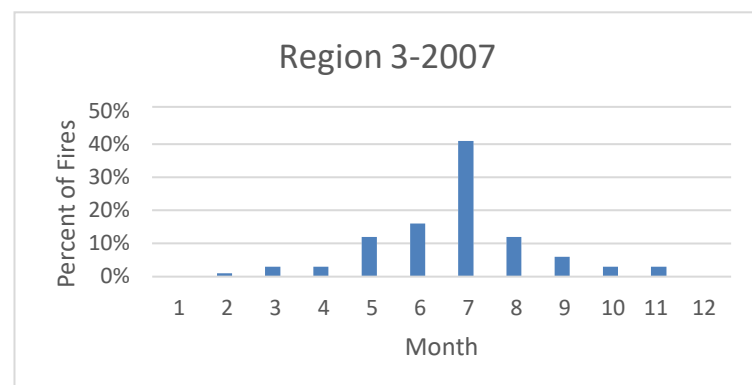
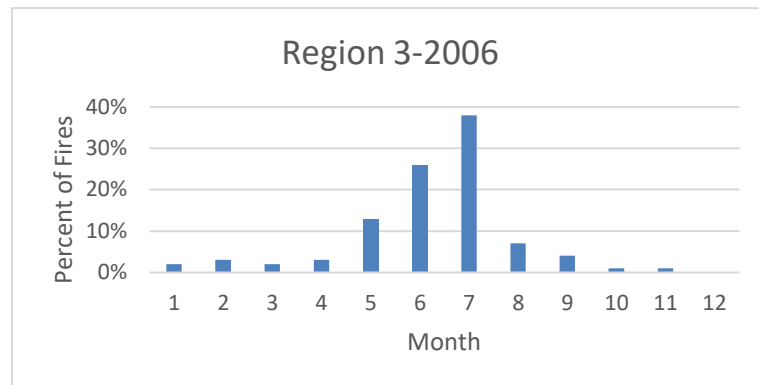
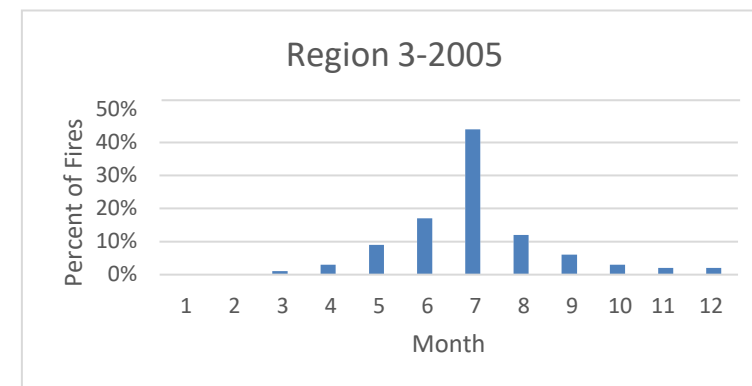
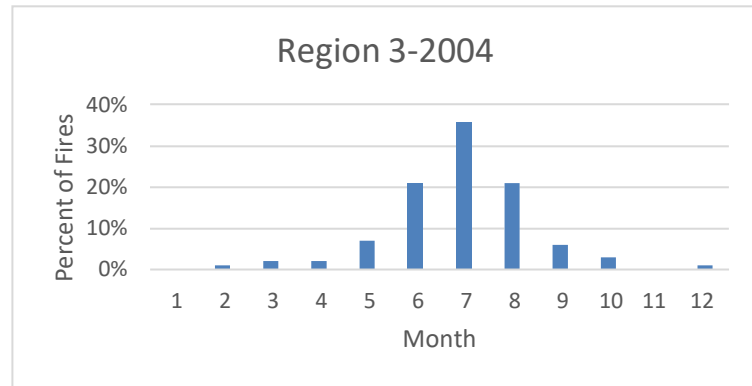
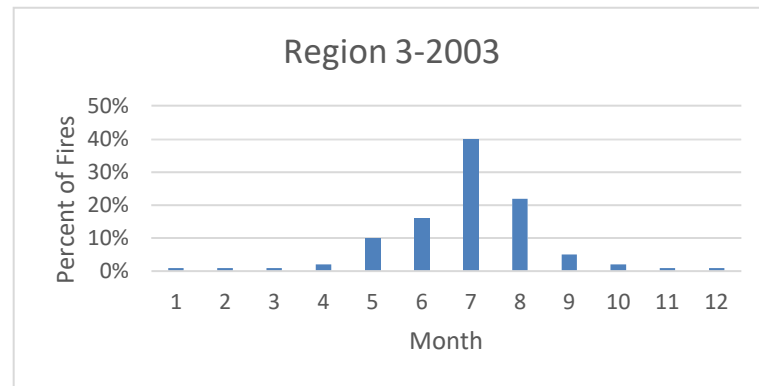
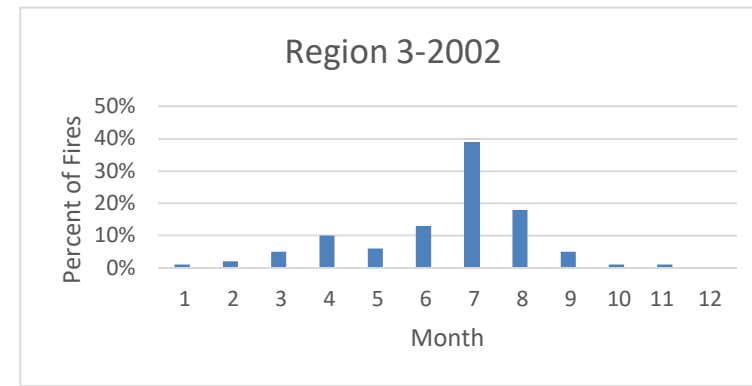
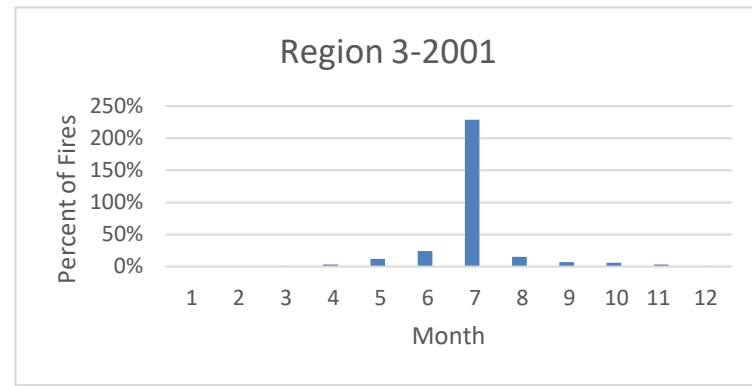
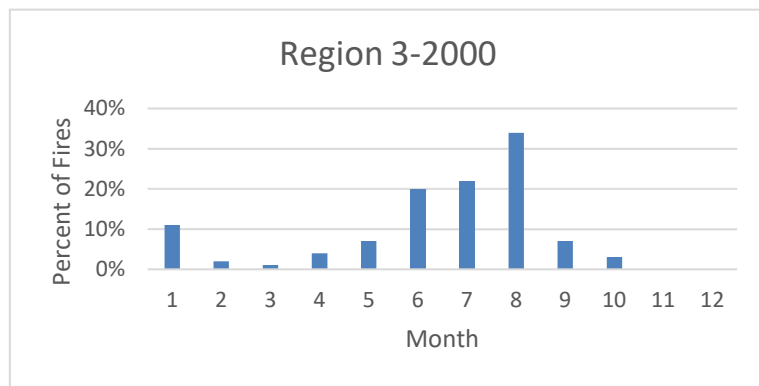


Percent Fires burned in Region 2 by month and year

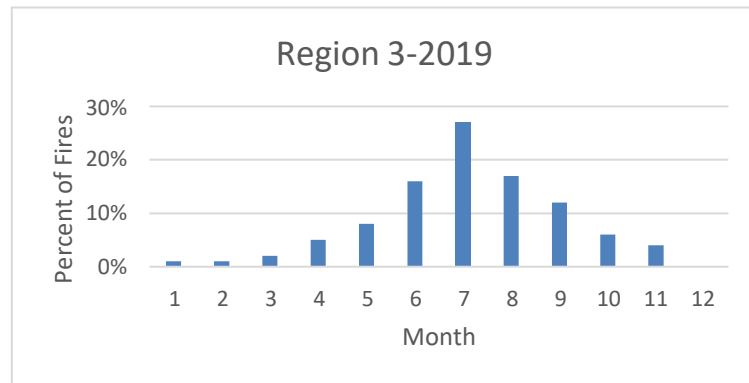
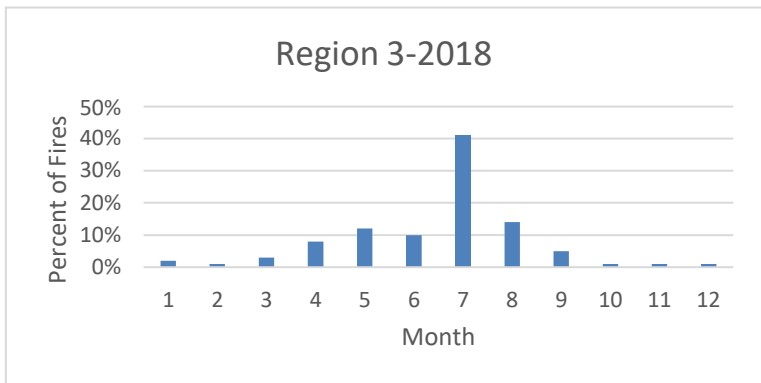
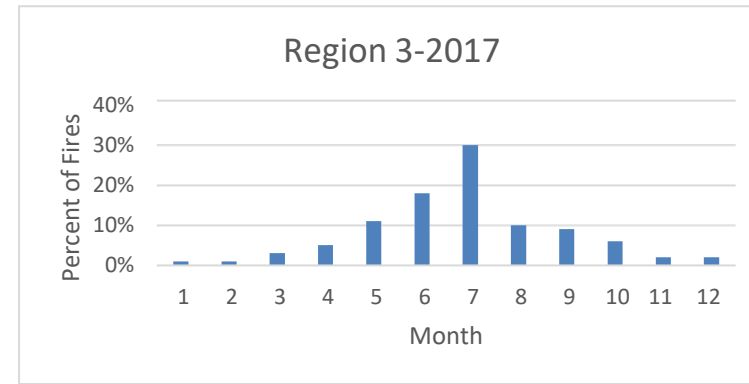
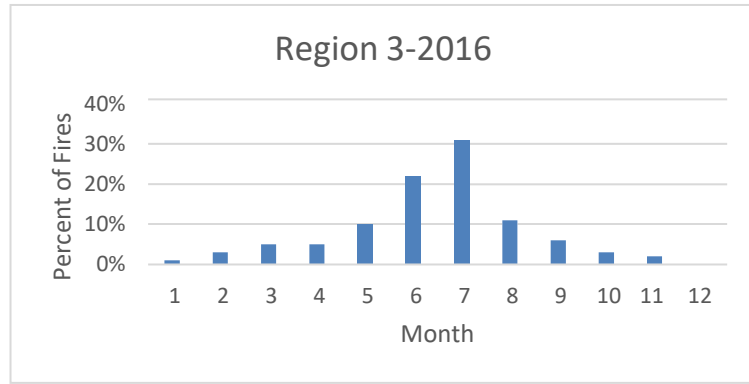
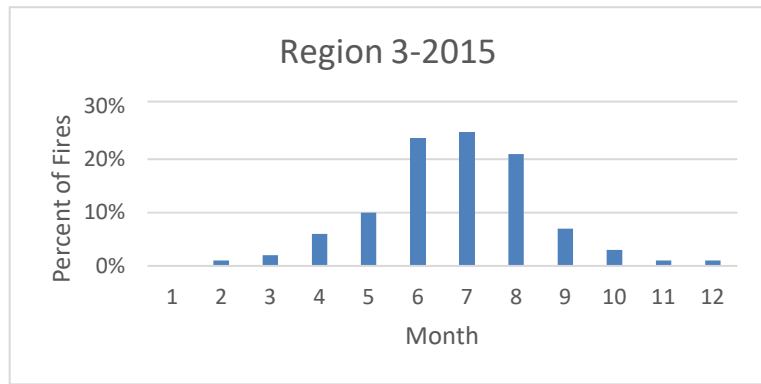
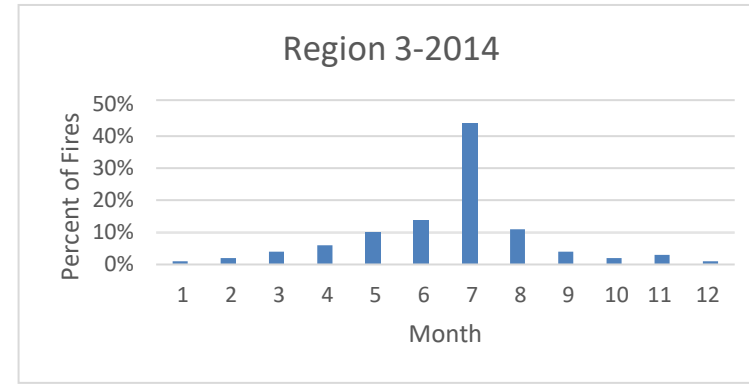
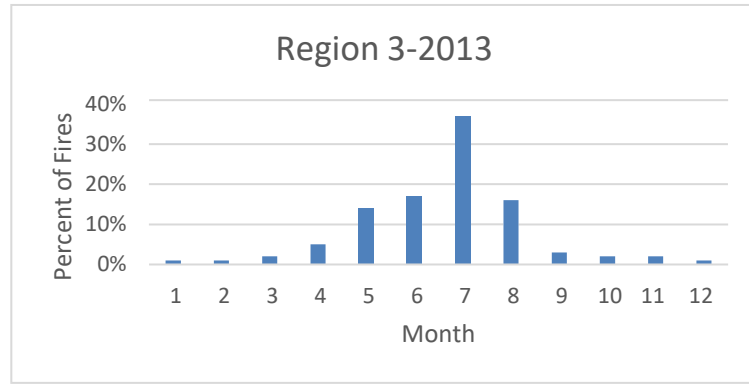
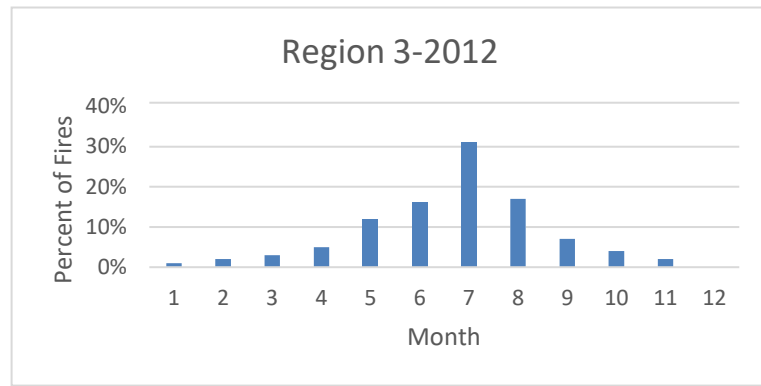
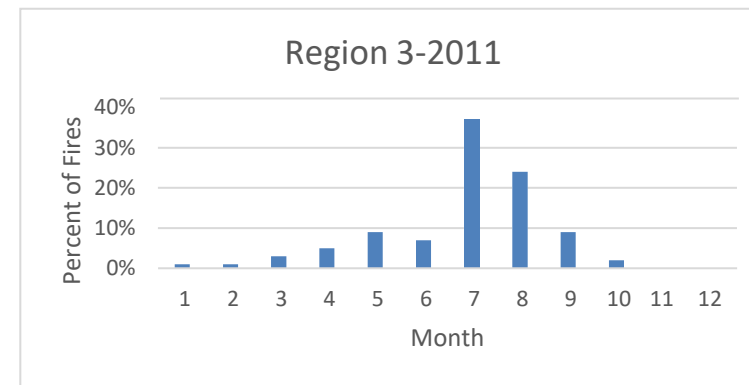
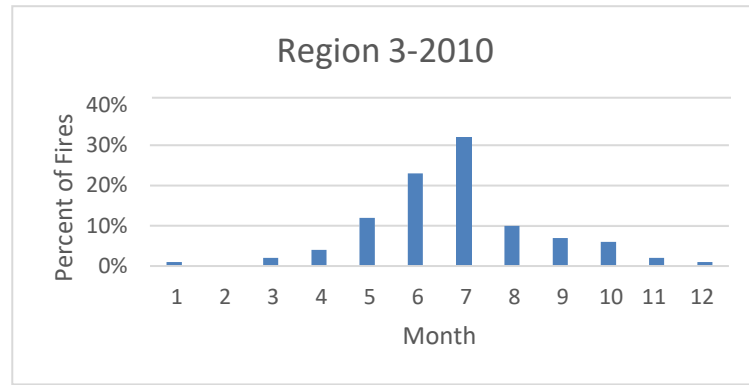
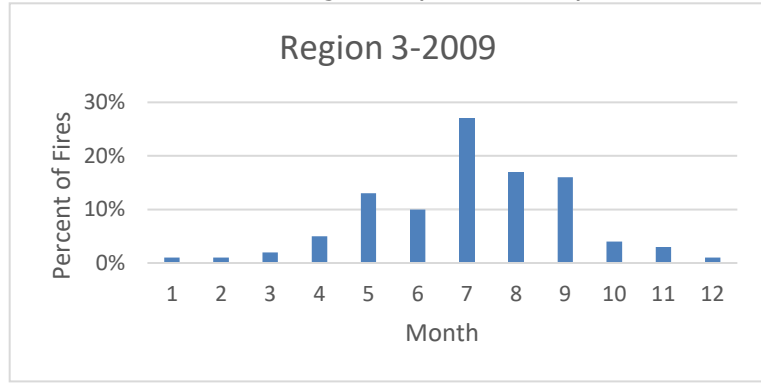


Percent Fires burned in Region 3 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	11%	0%	1%	1%	0%	0%	2%	0%	1%	1%	1%	1%	1%	1%	1%	0%	1%	1%	2%	1%
February	2%	0%	2%	1%	1%	0%	3%	1%	1%	1%	0%	1%	2%	1%	2%	1%	3%	1%	1%	1%
March	1%	1%	5%	1%	2%	1%	2%	3%	3%	2%	2%	3%	3%	2%	4%	2%	5%	3%	3%	2%
April	4%	3%	10%	2%	2%	3%	3%	3%	6%	5%	4%	5%	5%	5%	6%	6%	5%	5%	8%	5%
May	7%	12%	6%	10%	7%	9%	13%	12%	8%	13%	12%	9%	12%	14%	10%	10%	10%	11%	12%	8%
June	20%	24%	13%	16%	21%	17%	26%	16%	24%	10%	23%	7%	16%	17%	14%	24%	22%	18%	10%	16%
July	22%	229%	39%	40%	36%	44%	38%	41%	26%	27%	32%	37%	31%	37%	44%	25%	31%	30%	41%	27%
August	34%	15%	18%	22%	21%	12%	7%	12%	16%	17%	10%	24%	17%	16%	11%	21%	11%	10%	14%	17%
September	7%	7%	5%	5%	6%	6%	4%	6%	7%	16%	7%	9%	7%	3%	4%	7%	6%	9%	5%	12%
October	3%	6%	1%	2%	3%	3%	1%	3%	4%	4%	6%	2%	4%	2%	2%	3%	3%	6%	1%	6%
November	0%	3%	1%	1%	0%	2%	1%	3%	4%	3%	2%	0%	2%	2%	3%	1%	2%	2%	1%	4%
December	0%	1%	0%	1%	1%	2%	0%	0%	1%	1%	1%	0%	0%	1%	1%	1%	0%	2%	1%	0%

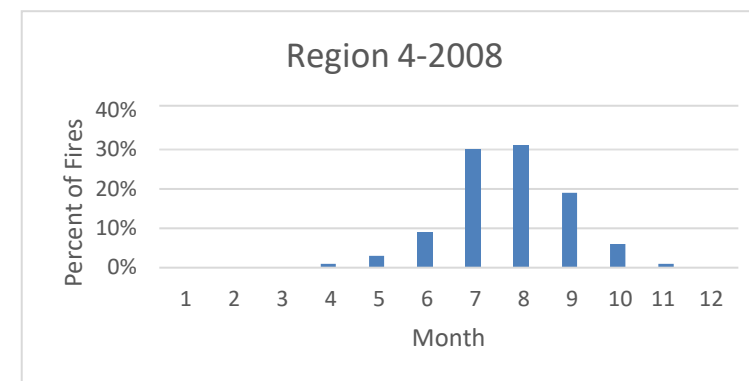
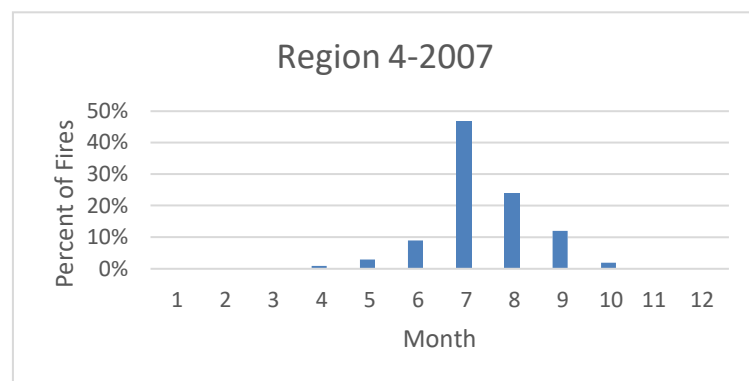
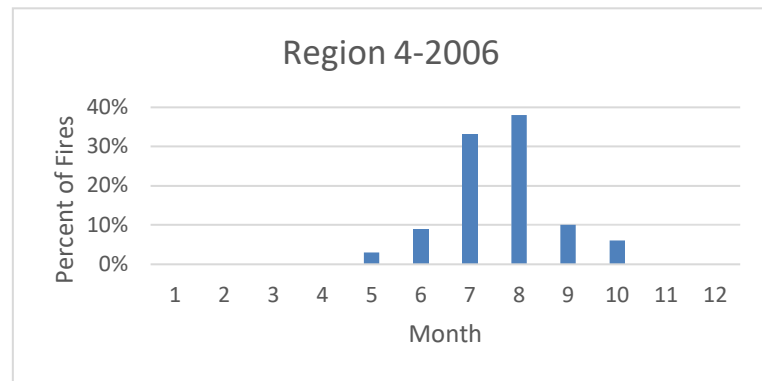
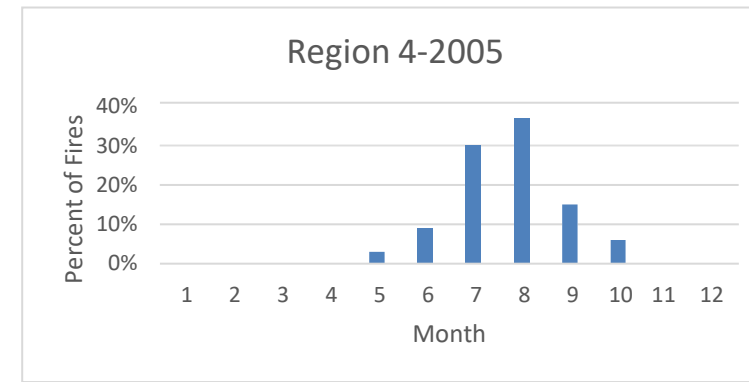
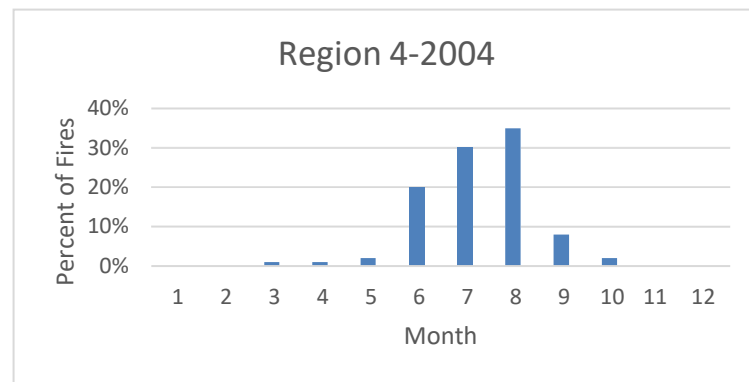
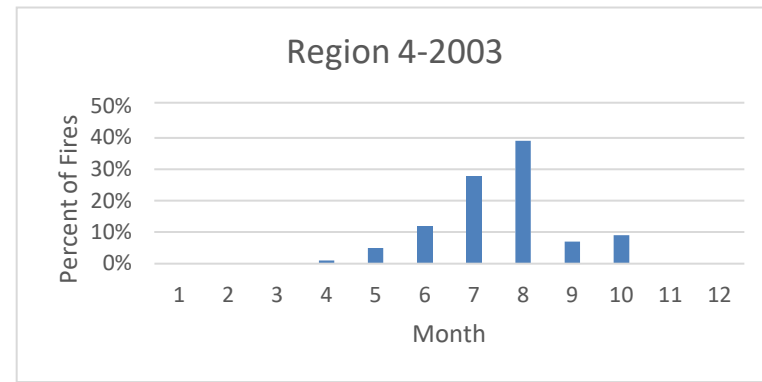
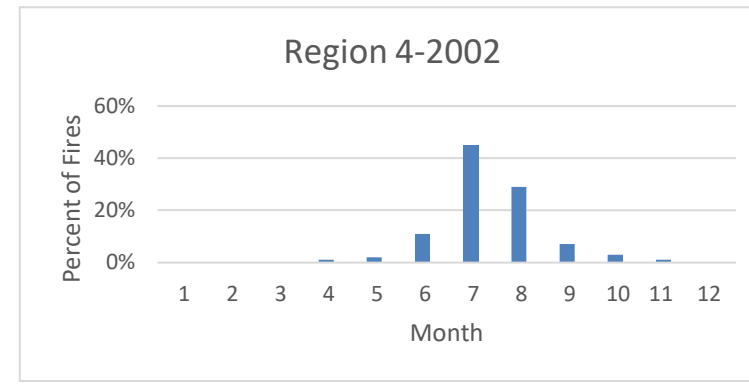
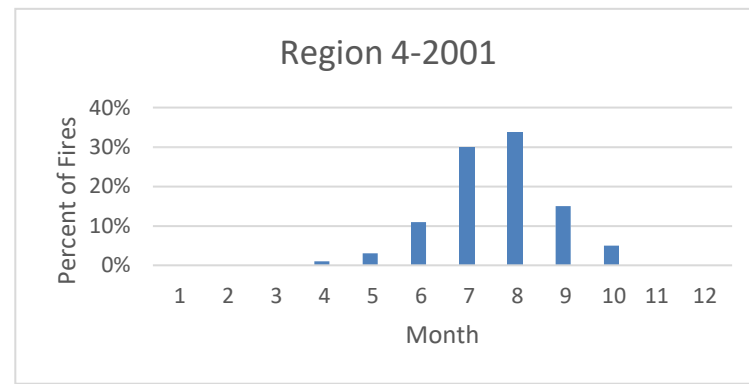
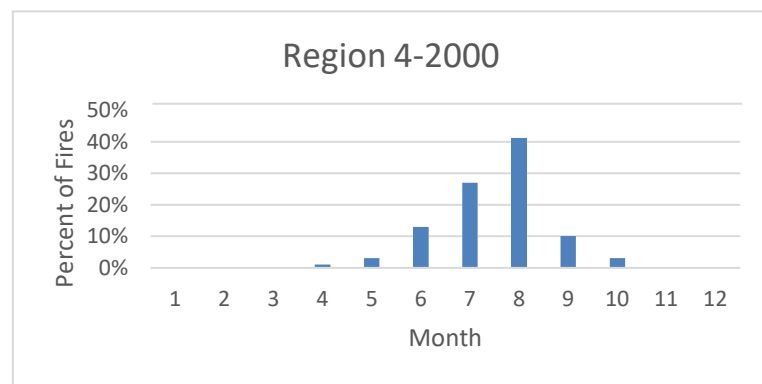


Percent Fires burned in Region 3 by month and year

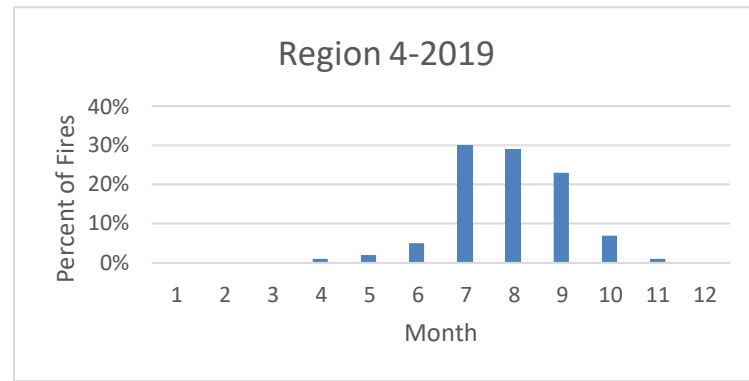
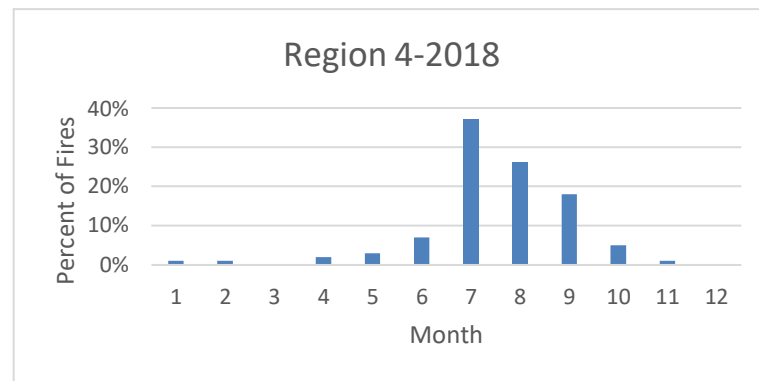
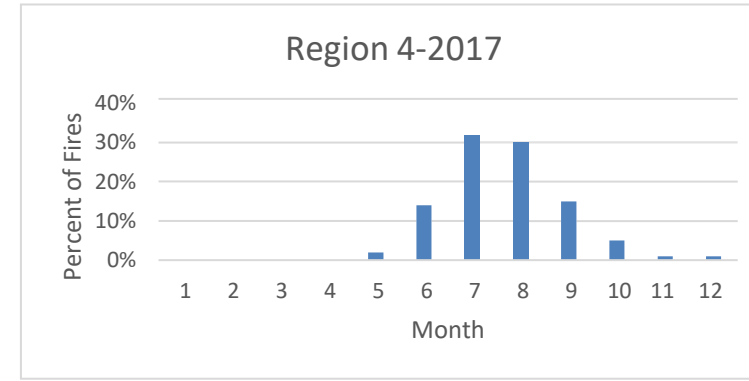
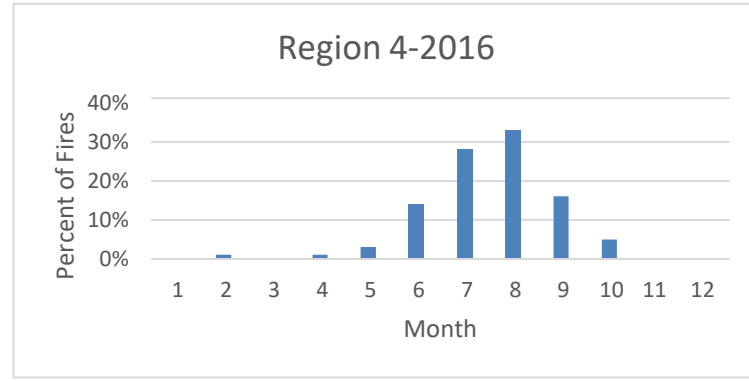
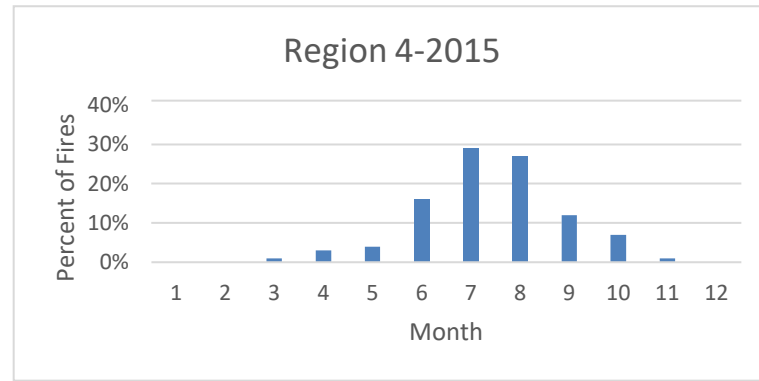
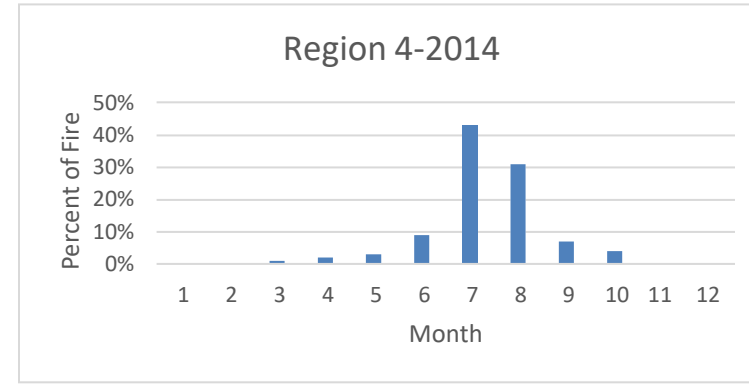
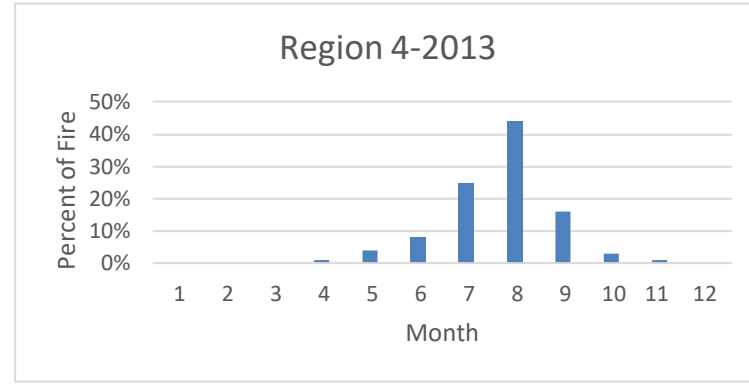
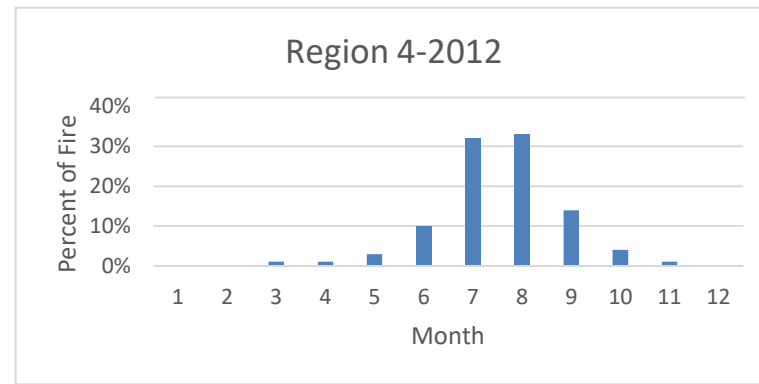
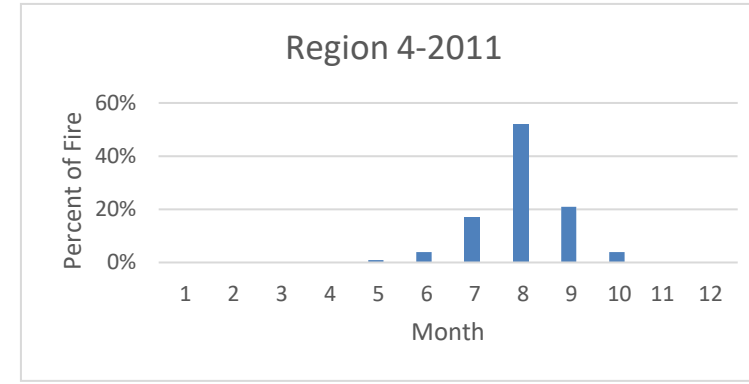
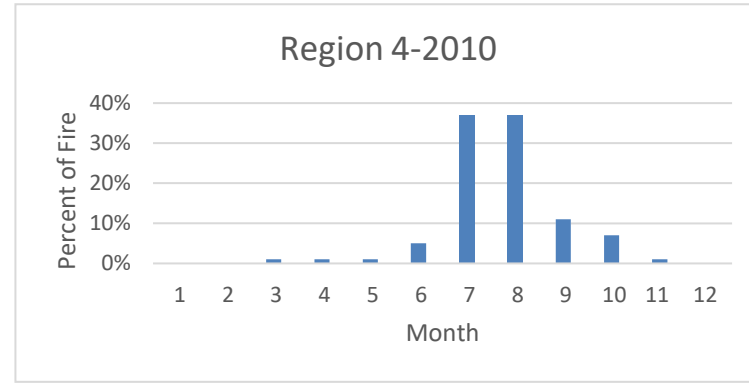
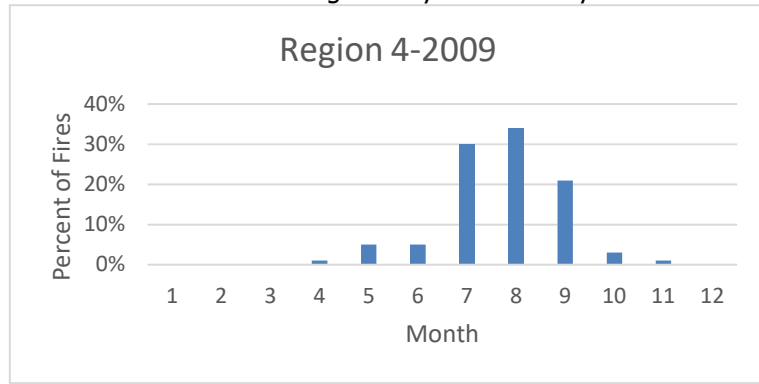


Percent Fires burned in Region 4 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
February	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	0%
March	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	1%	0%	1%	0%	1%	1%	0%	0%	0%	0%
April	1%	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	0%	1%	1%	2%	3%	1%	0%	2%	1%
May	3%	3%	2%	5%	2%	3%	3%	3%	3%	5%	1%	1%	3%	4%	3%	4%	3%	2%	3%	2%
June	13%	11%	11%	12%	20%	9%	9%	9%	9%	5%	5%	4%	10%	8%	9%	16%	14%	14%	7%	5%
July	27%	30%	45%	28%	30%	30%	33%	47%	30%	30%	37%	17%	32%	25%	43%	29%	28%	32%	37%	30%
August	41%	34%	29%	39%	35%	37%	38%	24%	31%	34%	37%	52%	33%	44%	31%	27%	33%	30%	26%	29%
September	10%	15%	7%	7%	8%	15%	10%	12%	19%	21%	11%	21%	14%	16%	7%	12%	16%	15%	18%	23%
October	3%	5%	3%	9%	2%	6%	6%	2%	6%	3%	7%	4%	4%	3%	4%	7%	5%	5%	5%	7%
November	0%	0%	1%	0%	0%	0%	0%	0%	1%	1%	1%	0%	1%	1%	0%	1%	0%	1%	1%	1%
December	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%

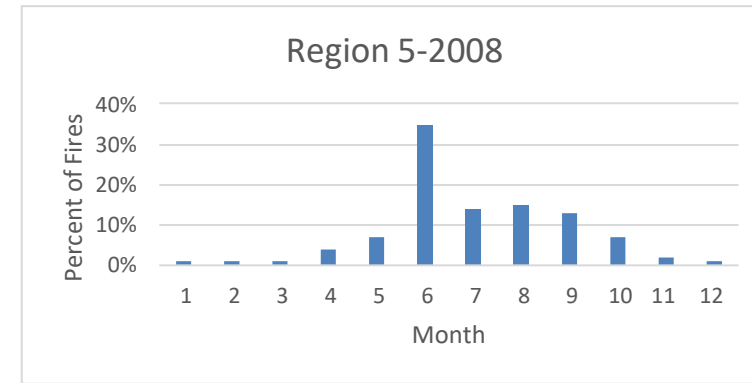
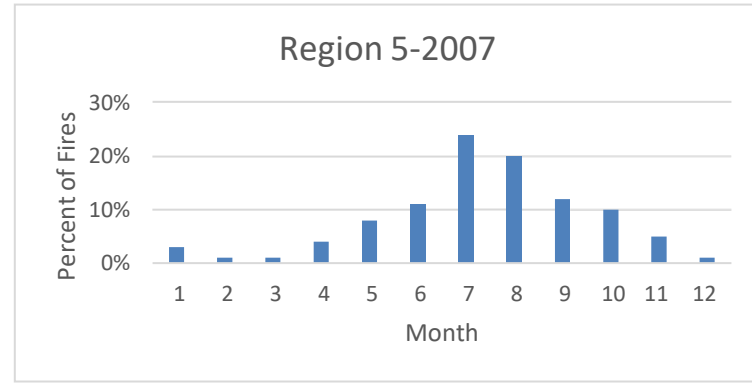
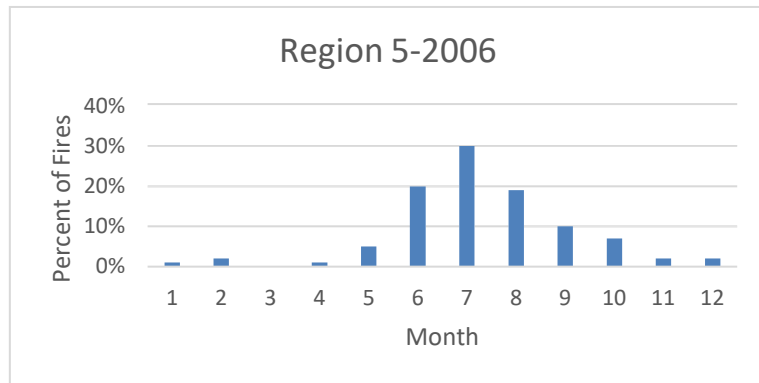
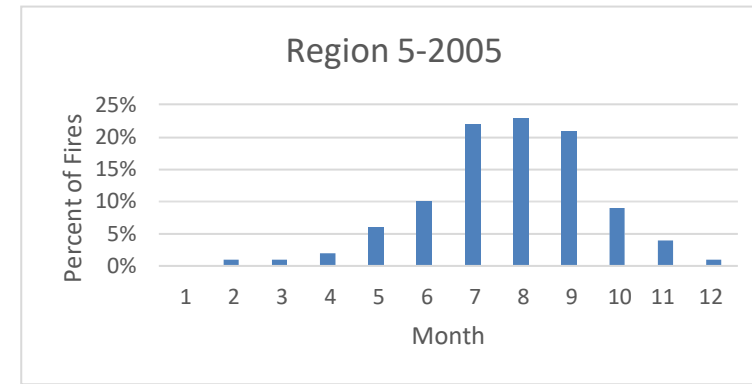
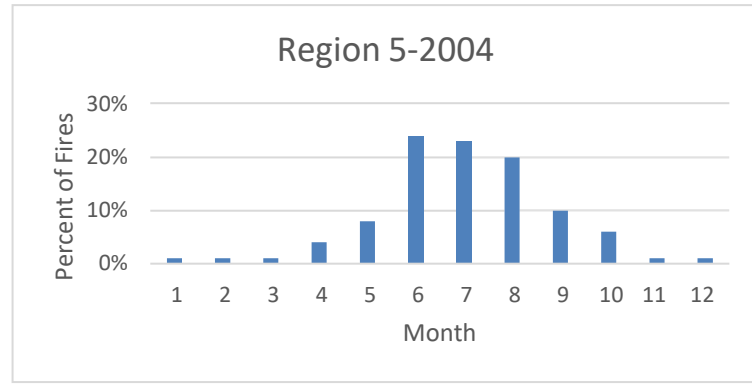
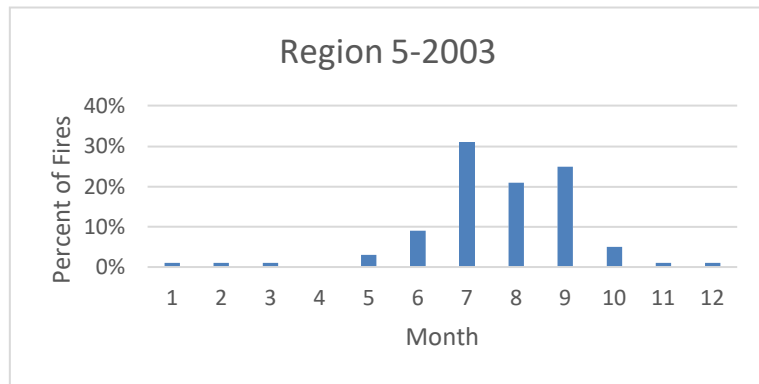
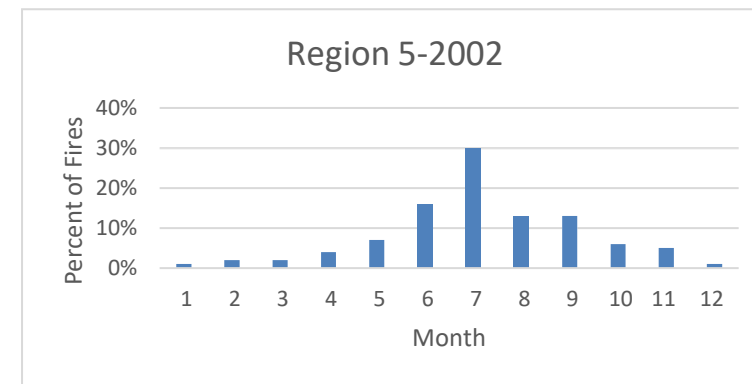
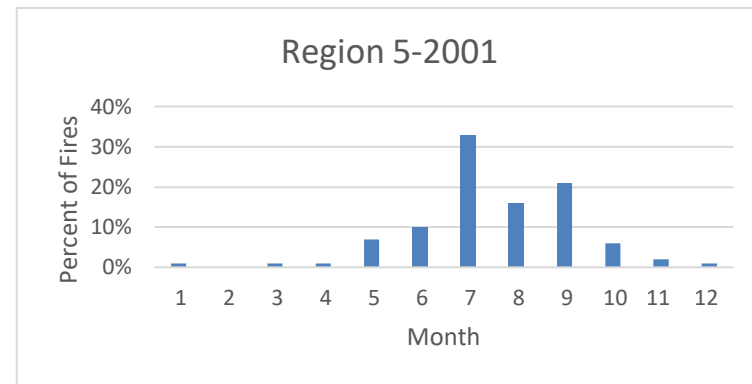
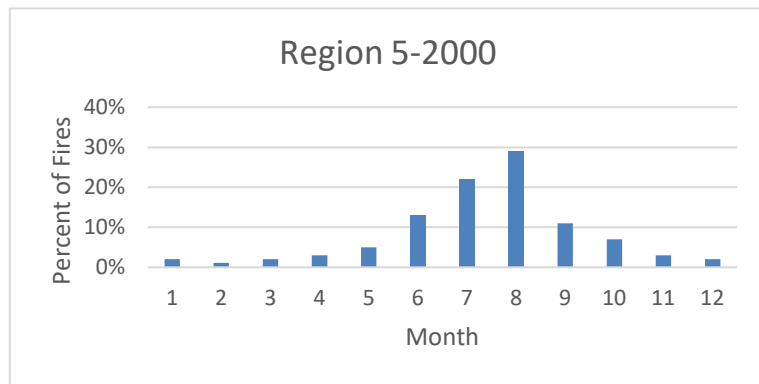


Percent Fires burned in Region 4 by month and year

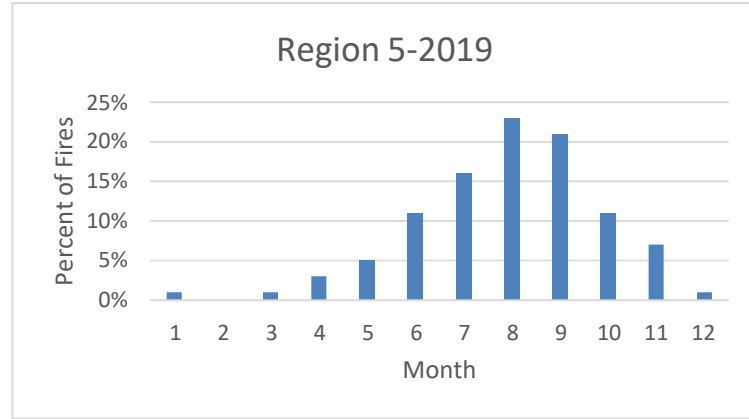
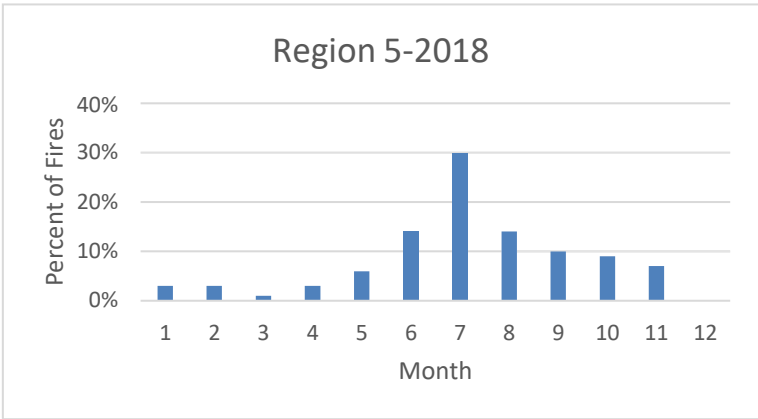
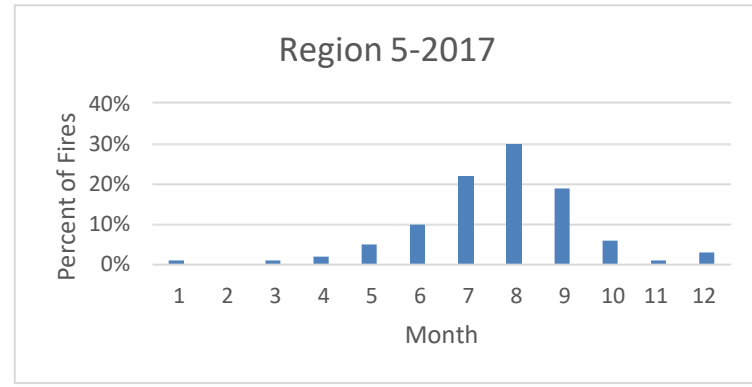
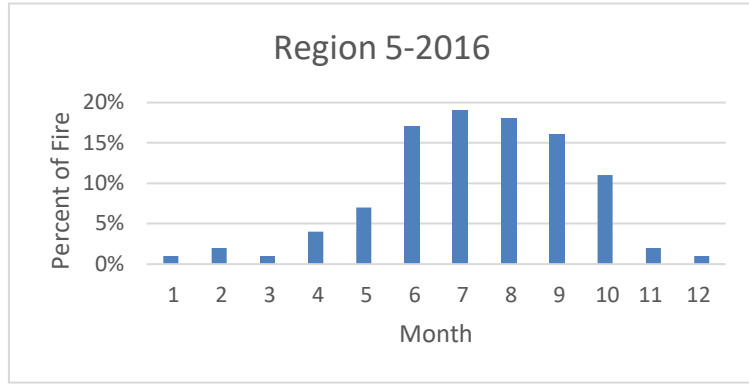
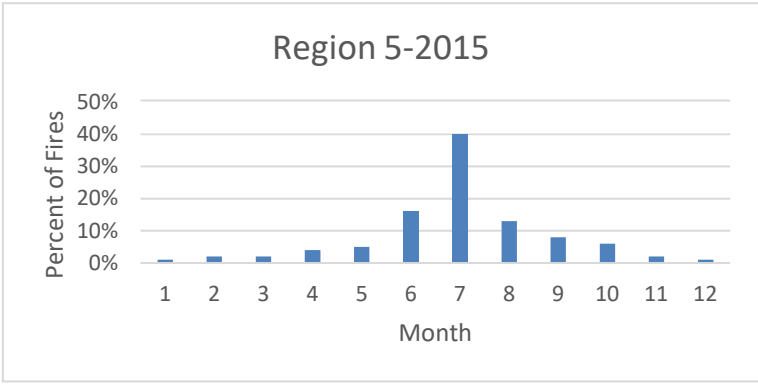
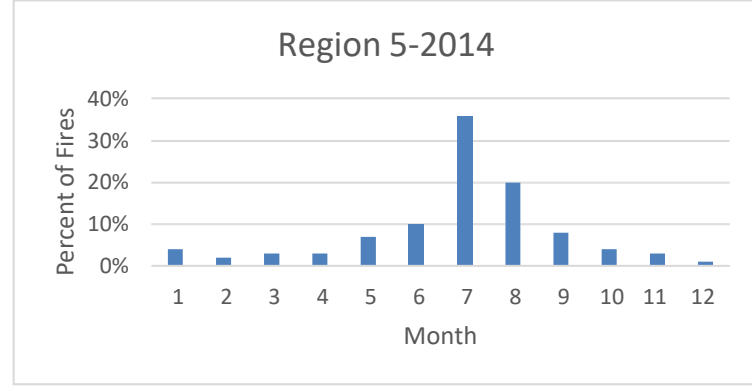
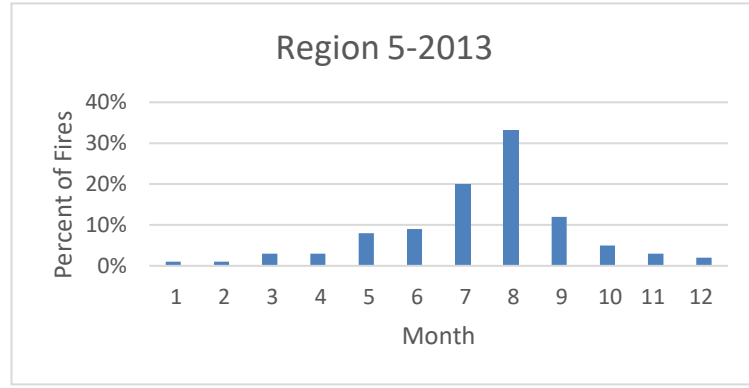
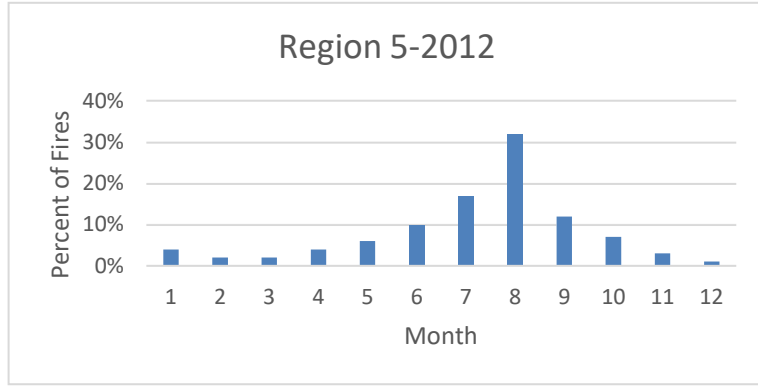
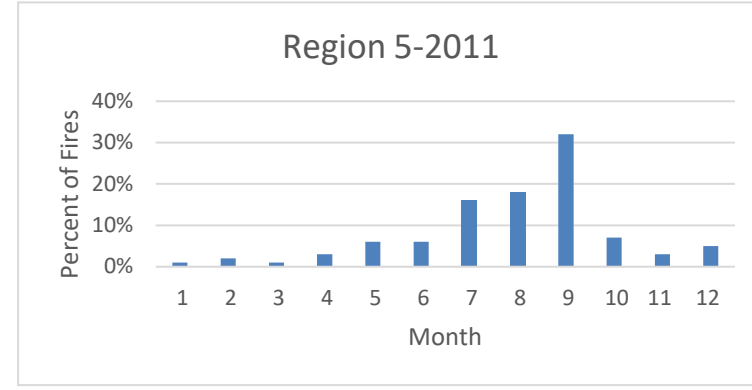
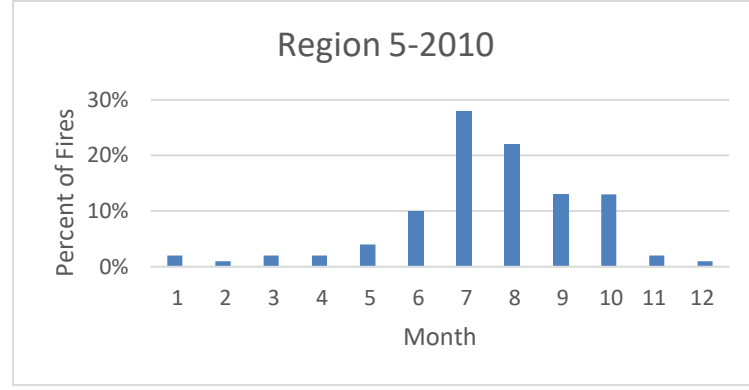
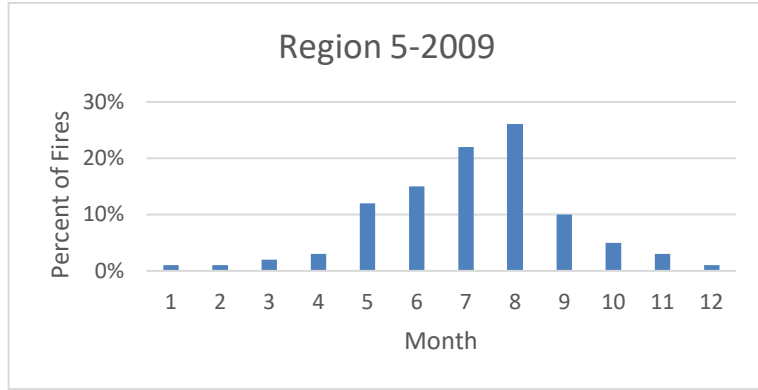


Percent Fires burned in Region 5 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	2%	1%	1%	1%	1%	0%	1%	3%	1%	1%	2%	1%	4%	1%	4%	1%	1%	1%	3%	1%
February	1%	0%	2%	1%	1%	1%	2%	1%	1%	1%	1%	2%	2%	1%	2%	2%	2%	0%	3%	0%
March	2%	1%	2%	1%	1%	1%	0%	1%	1%	2%	2%	1%	2%	3%	3%	2%	1%	1%	1%	1%
April	3%	1%	4%	0%	4%	2%	1%	4%	4%	3%	2%	3%	4%	3%	3%	4%	4%	2%	3%	3%
May	5%	7%	7%	3%	8%	6%	5%	8%	7%	12%	4%	6%	6%	8%	7%	5%	7%	5%	6%	5%
June	13%	10%	16%	9%	24%	10%	20%	11%	35%	15%	10%	6%	10%	9%	10%	16%	17%	10%	14%	11%
July	22%	33%	30%	31%	23%	22%	30%	24%	14%	22%	28%	16%	17%	20%	36%	40%	19%	22%	30%	16%
August	29%	16%	13%	21%	20%	23%	19%	20%	15%	26%	22%	18%	32%	33%	20%	13%	18%	30%	14%	23%
September	11%	21%	13%	25%	10%	21%	10%	12%	13%	10%	13%	32%	12%	12%	8%	8%	16%	19%	10%	21%
October	7%	6%	6%	5%	6%	9%	7%	10%	7%	5%	13%	7%	7%	5%	4%	6%	11%	6%	9%	11%
November	3%	2%	5%	1%	1%	4%	2%	5%	2%	3%	2%	3%	3%	3%	3%	2%	2%	1%	7%	7%
December	2%	1%	1%	1%	1%	1%	2%	1%	1%	1%	1%	5%	1%	2%	1%	1%	1%	3%	0%	1%

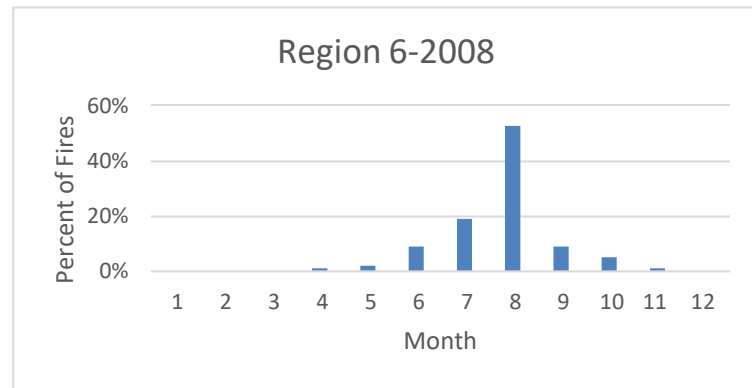
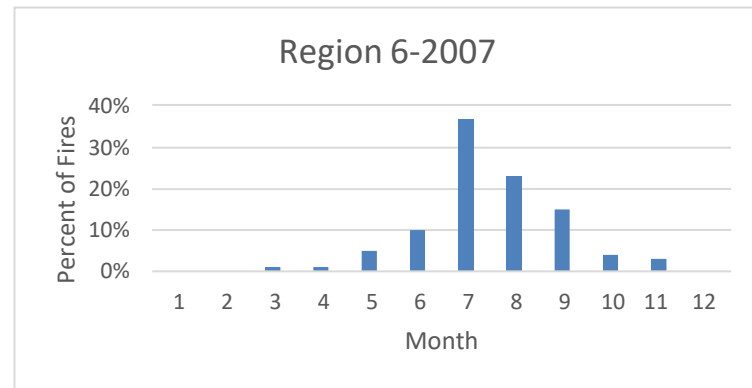
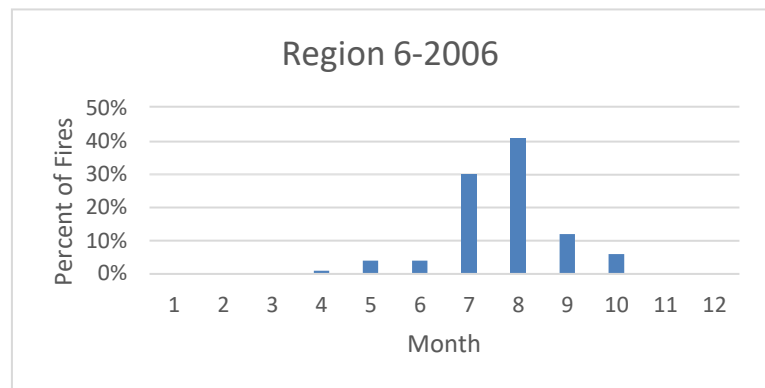
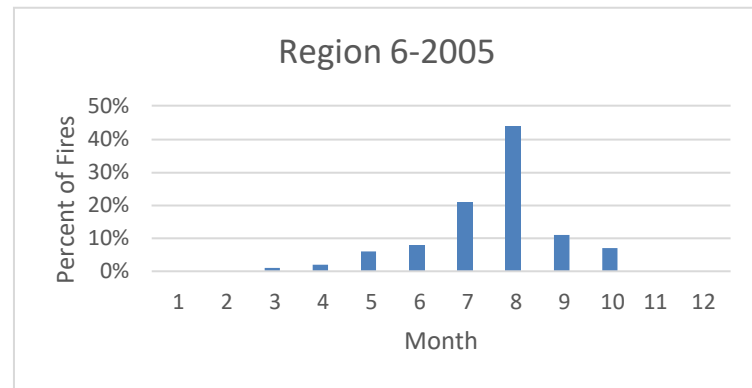
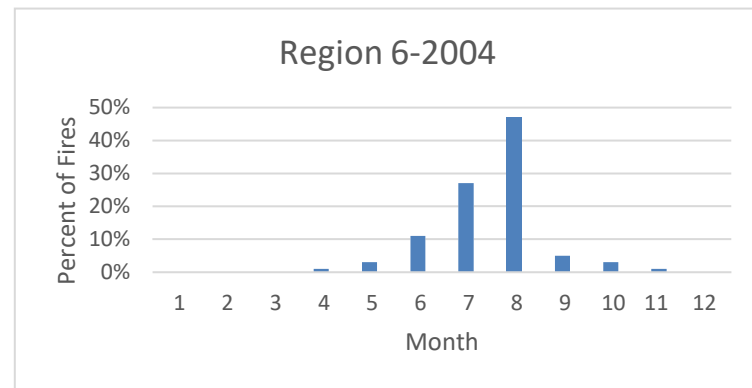
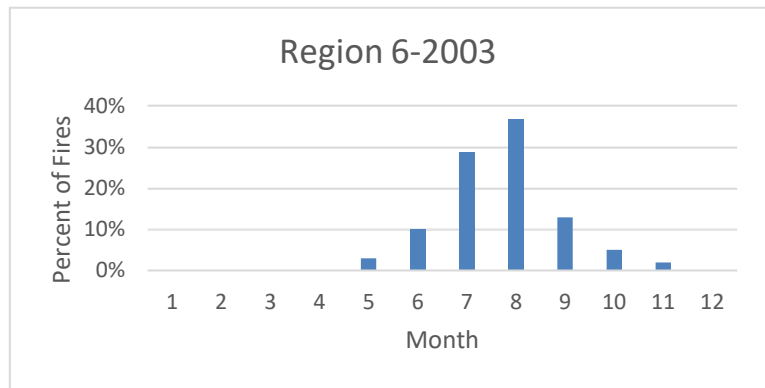
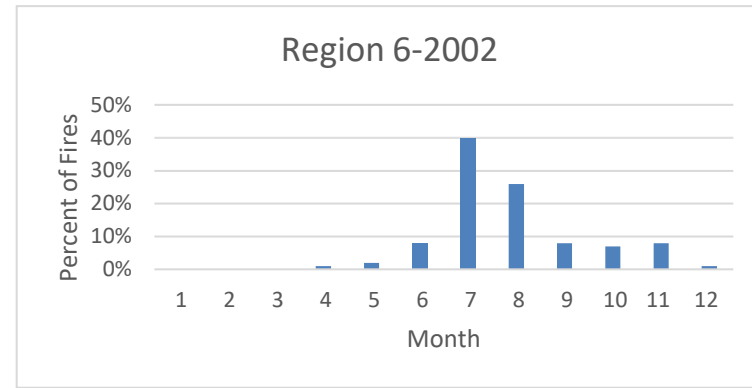
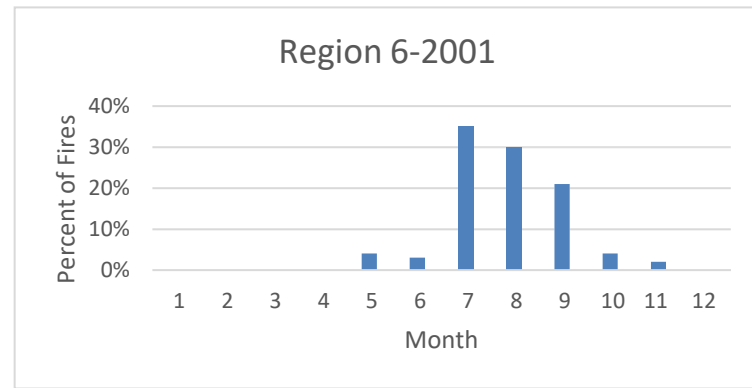
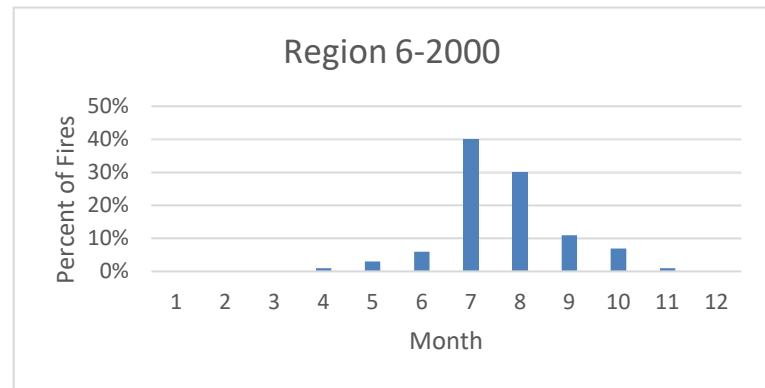


Percent Fires burned in Region 5 by month and year

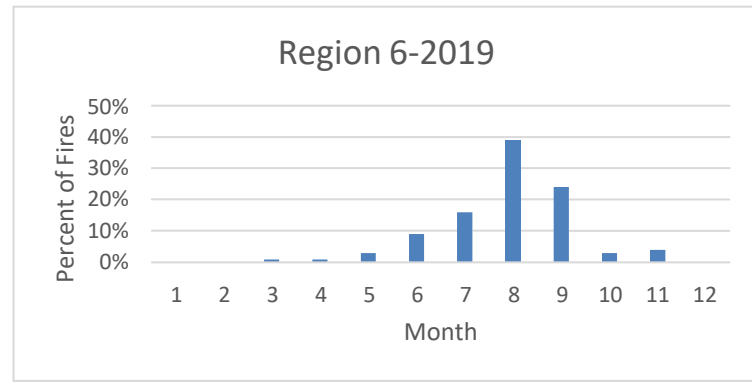
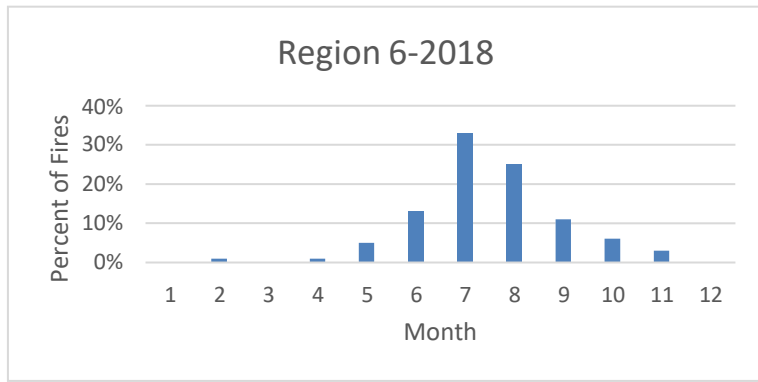
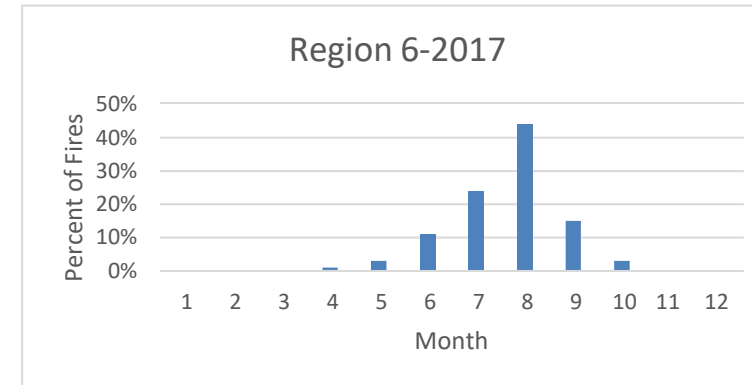
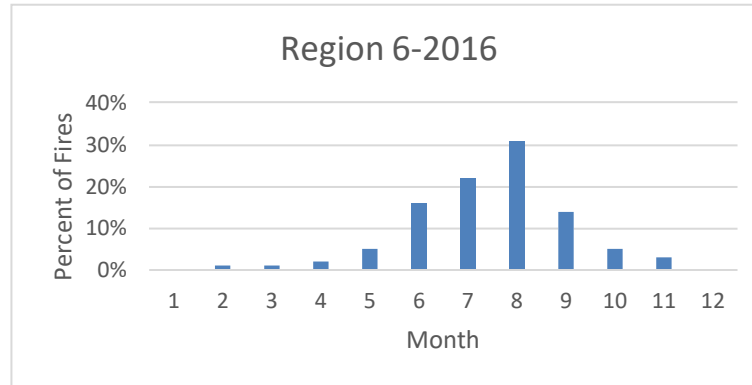
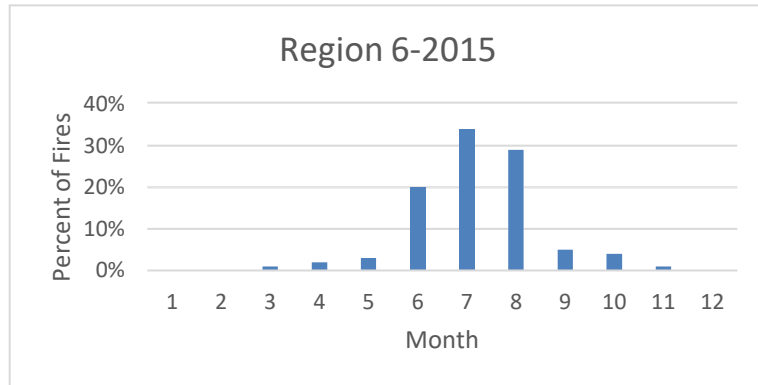
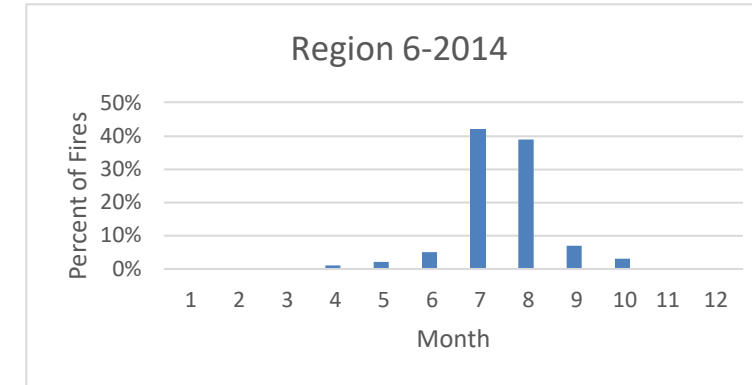
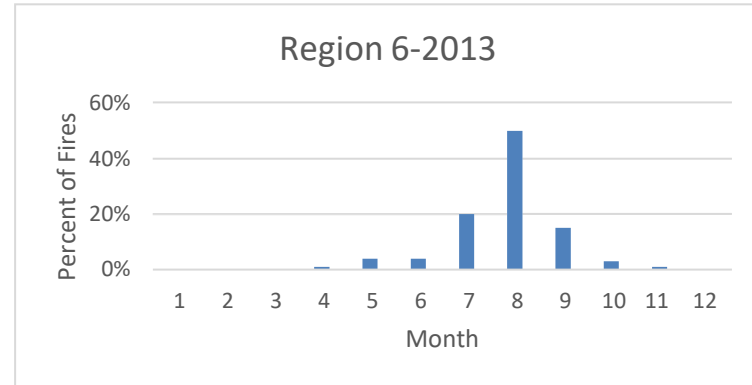
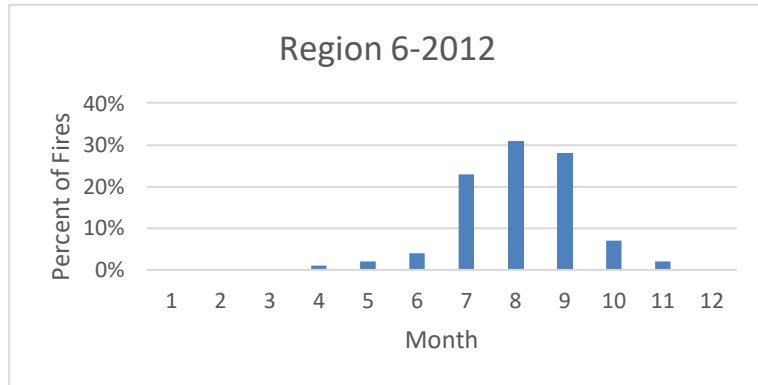
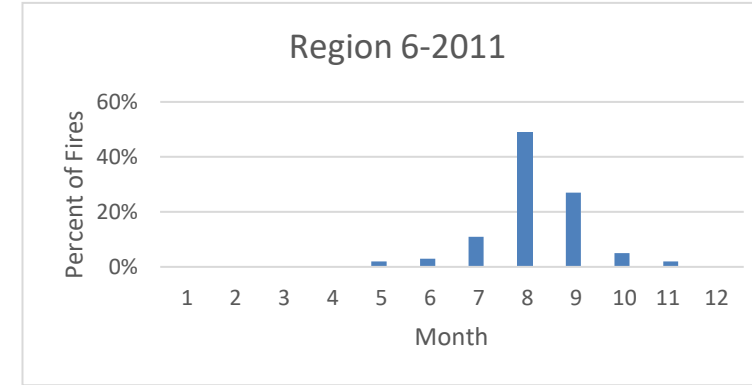
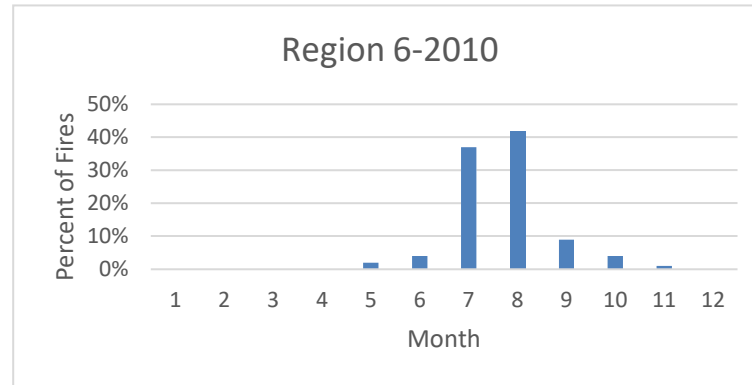
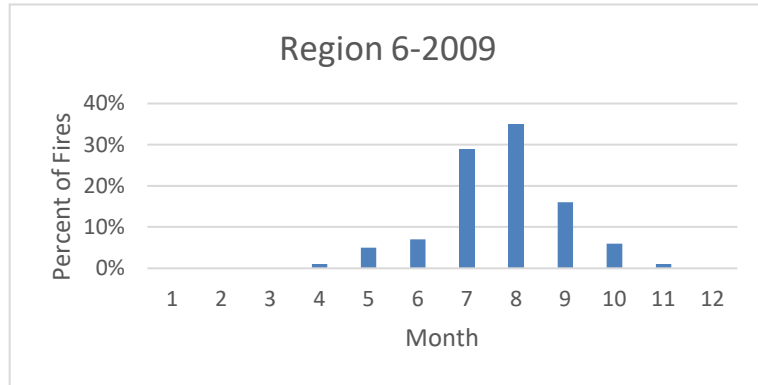


Percent Fires burned in Region 6 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
February	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	0%
March	0%	0%	0%	0%	0%	1%	0%	1%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	1%
April	1%	0%	1%	0%	1%	2%	1%	1%	1%	1%	0%	0%	1%	1%	1%	2%	2%	1%	1%	1%
May	3%	4%	2%	3%	3%	6%	4%	5%	2%	5%	2%	2%	2%	4%	2%	3%	5%	3%	5%	3%
June	6%	3%	8%	10%	11%	8%	4%	10%	9%	7%	4%	3%	4%	4%	5%	20%	16%	11%	13%	9%
July	40%	35%	40%	29%	27%	21%	30%	37%	19%	29%	37%	11%	23%	20%	42%	34%	22%	24%	33%	16%
August	30%	30%	26%	37%	47%	44%	41%	23%	53%	35%	42%	49%	31%	50%	39%	29%	31%	44%	25%	39%
September	11%	21%	8%	13%	5%	11%	12%	15%	9%	16%	9%	27%	28%	15%	7%	5%	14%	15%	11%	24%
October	7%	4%	7%	5%	3%	7%	6%	4%	5%	6%	4%	5%	7%	3%	3%	4%	5%	3%	6%	3%
November	1%	2%	8%	2%	1%	0%	0%	3%	1%	1%	1%	2%	2%	1%	0%	1%	3%	0%	3%	4%
December	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

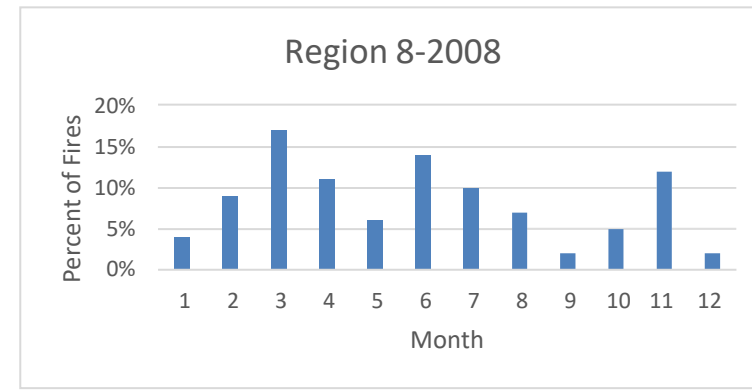
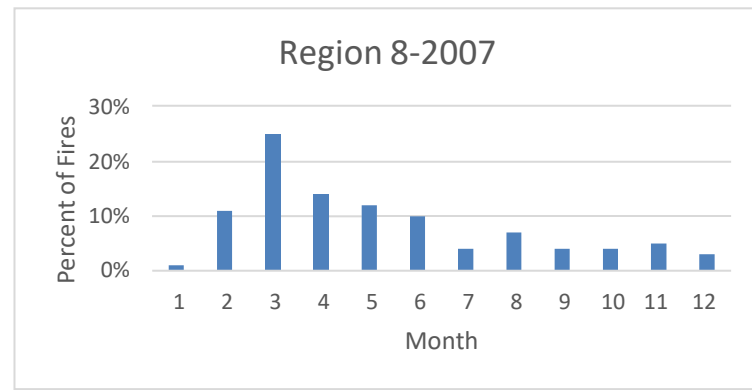
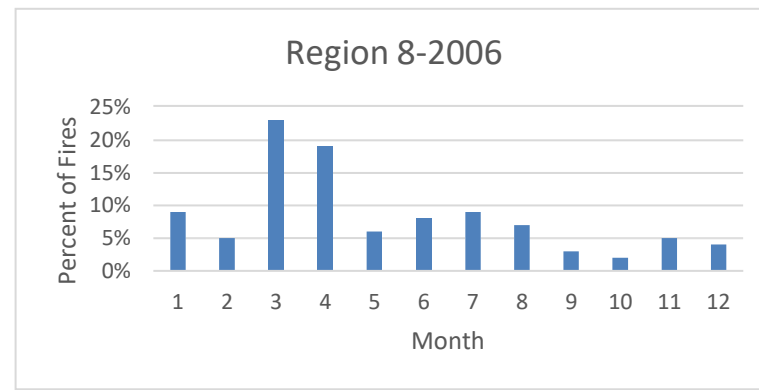
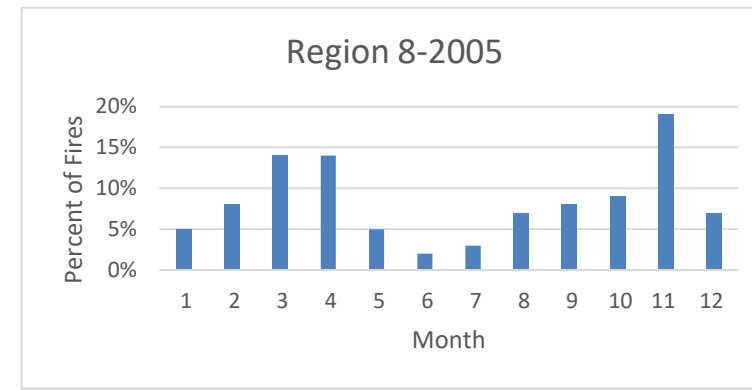
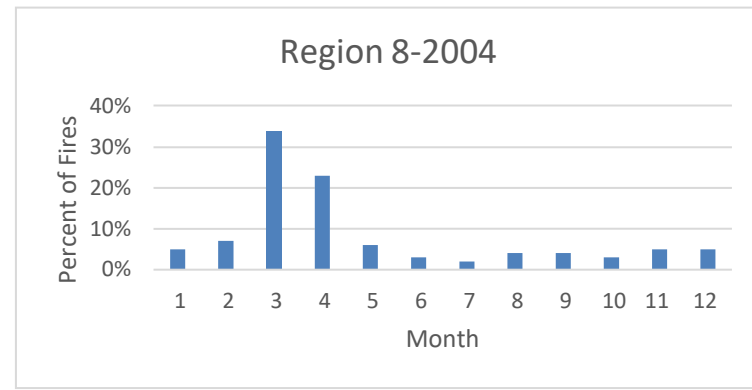
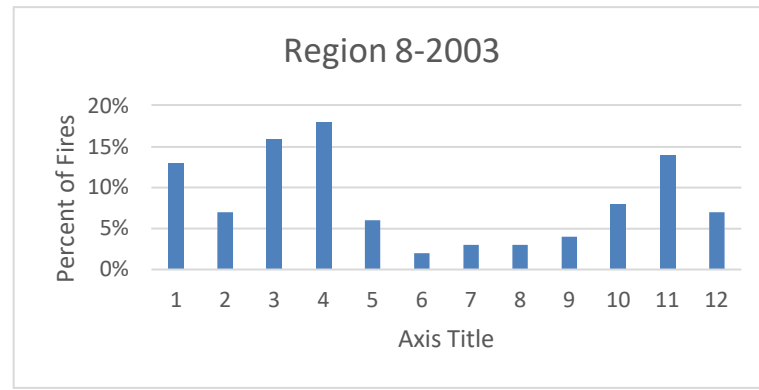
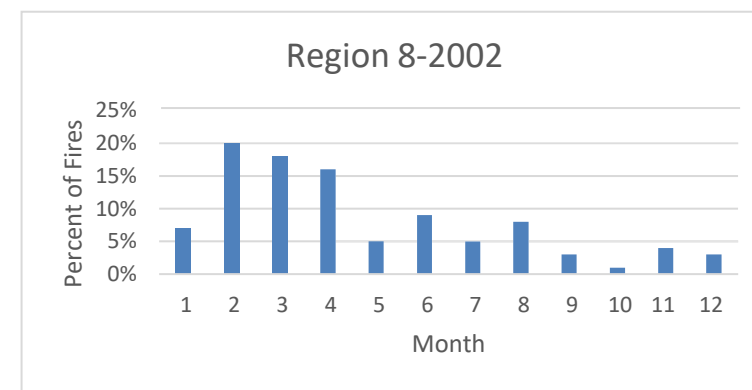
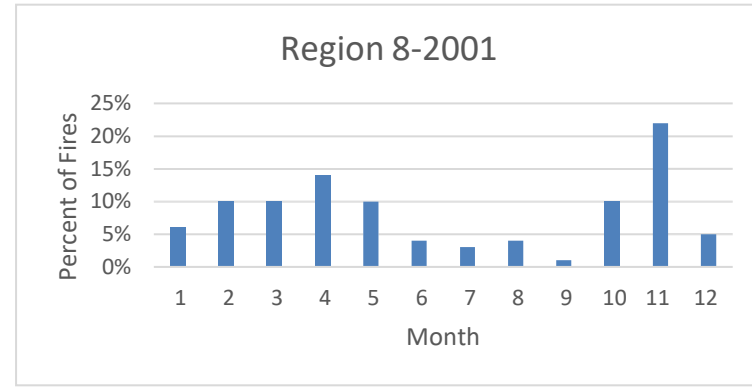
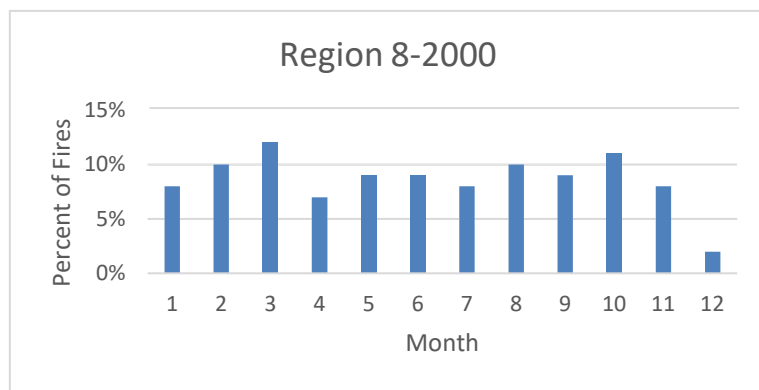


Percent Fires burned in Region 6 by month and year

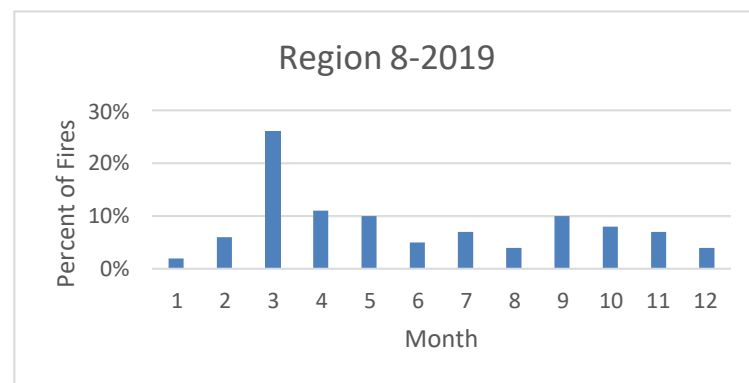
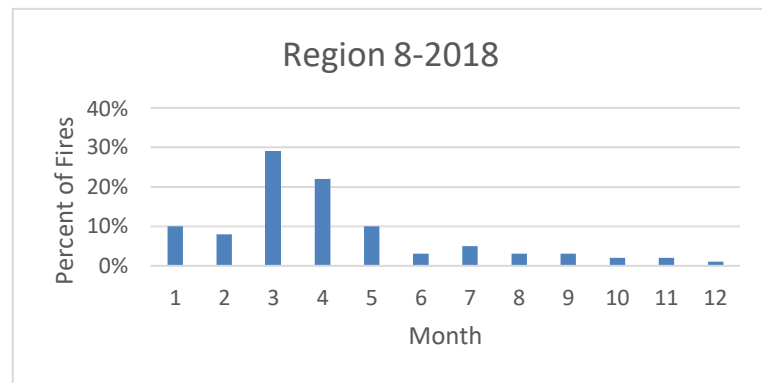
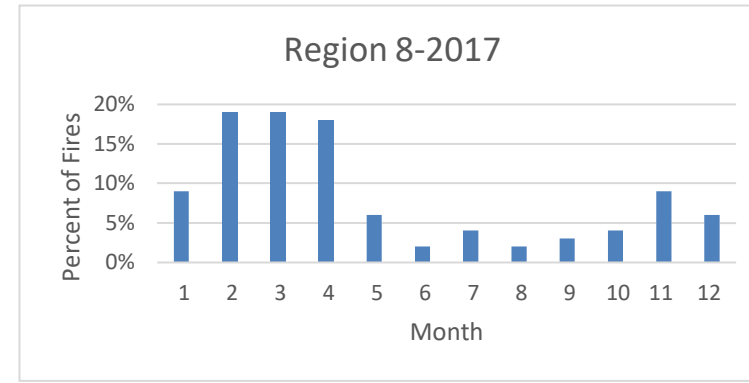
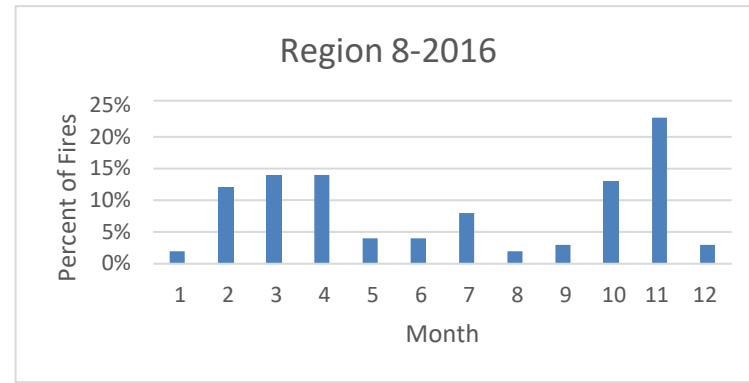
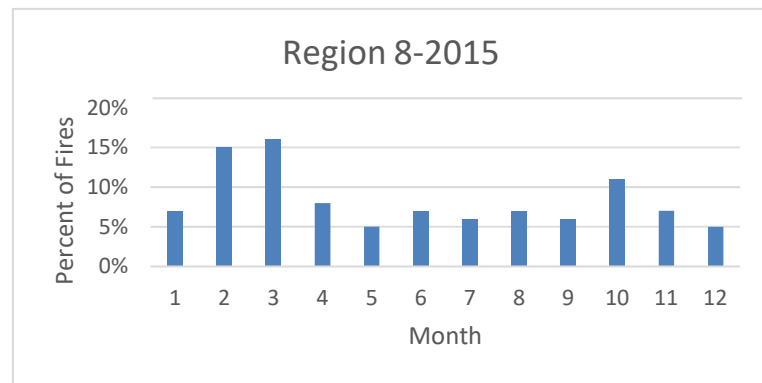
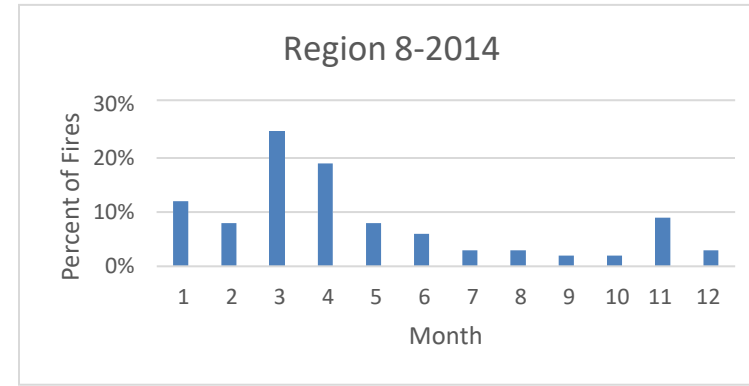
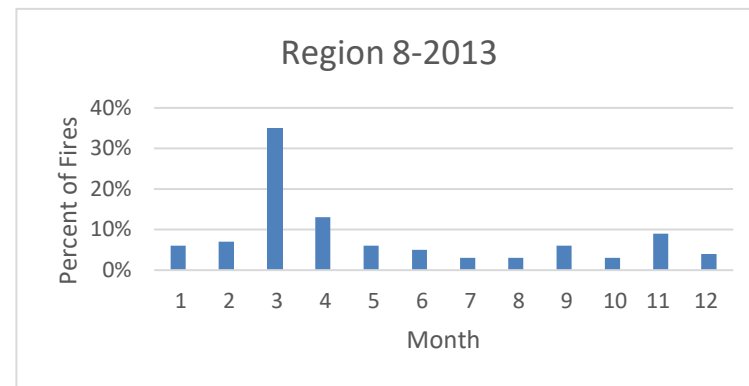
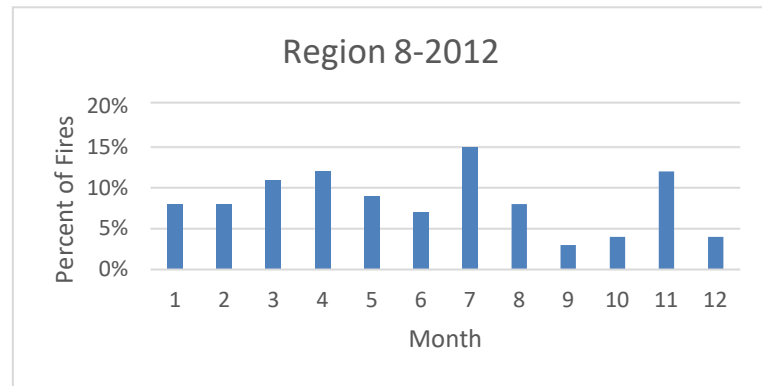
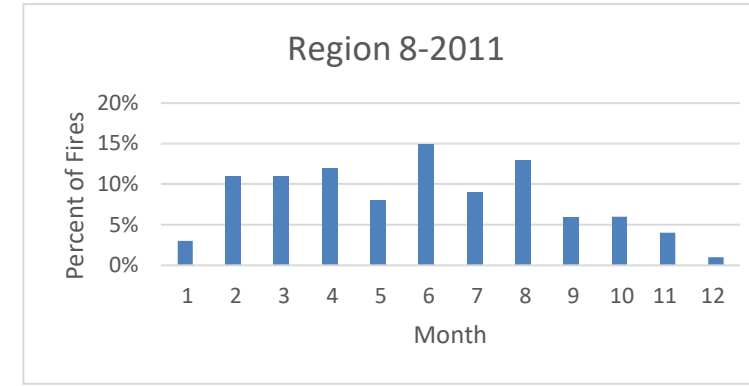
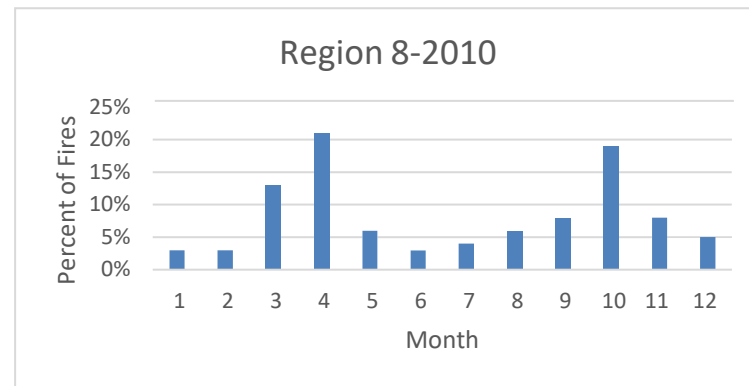
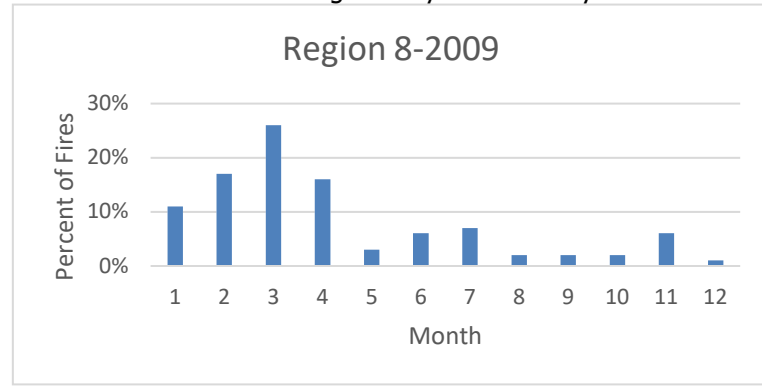


Percent Fires burned in Region 8 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	8%	6%	7%	13%	5%	5%	9%	1%	4%	11%	3%	3%	8%	6%	12%	7%	2%	9%	10%	2%
February	10%	10%	20%	7%	7%	8%	5%	11%	9%	17%	3%	11%	8%	7%	8%	15%	12%	19%	8%	6%
March	12%	10%	18%	16%	34%	14%	23%	25%	17%	26%	13%	11%	11%	35%	25%	16%	14%	19%	29%	26%
April	7%	14%	16%	18%	23%	14%	19%	14%	11%	16%	21%	12%	12%	13%	19%	8%	14%	18%	22%	11%
May	9%	10%	5%	6%	6%	5%	6%	12%	6%	3%	6%	8%	9%	6%	8%	5%	4%	6%	10%	10%
June	9%	4%	9%	2%	3%	2%	8%	10%	14%	6%	3%	15%	7%	5%	6%	7%	4%	2%	3%	5%
July	8%	3%	5%	3%	2%	3%	9%	4%	10%	7%	4%	9%	15%	3%	3%	6%	8%	4%	5%	7%
August	10%	4%	8%	3%	4%	7%	7%	7%	7%	2%	6%	13%	8%	3%	3%	7%	2%	2%	3%	4%
September	9%	1%	3%	4%	4%	8%	3%	4%	2%	2%	8%	6%	3%	6%	2%	6%	3%	3%	3%	10%
October	11%	10%	1%	8%	3%	9%	2%	4%	5%	2%	19%	6%	4%	3%	2%	11%	13%	4%	2%	8%
November	8%	22%	4%	14%	5%	19%	5%	5%	12%	6%	8%	4%	12%	9%	9%	7%	23%	9%	2%	7%
December	2%	5%	3%	7%	5%	7%	4%	3%	2%	1%	5%	1%	4%	4%	3%	5%	3%	6%	1%	4%

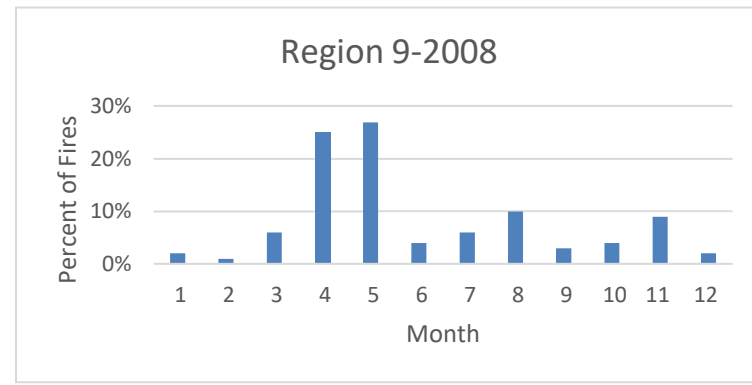
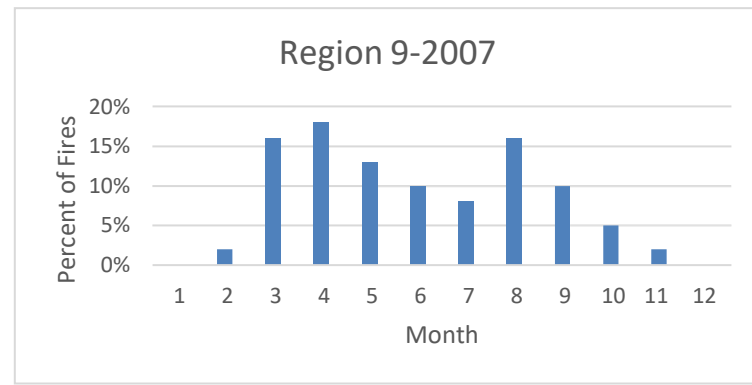
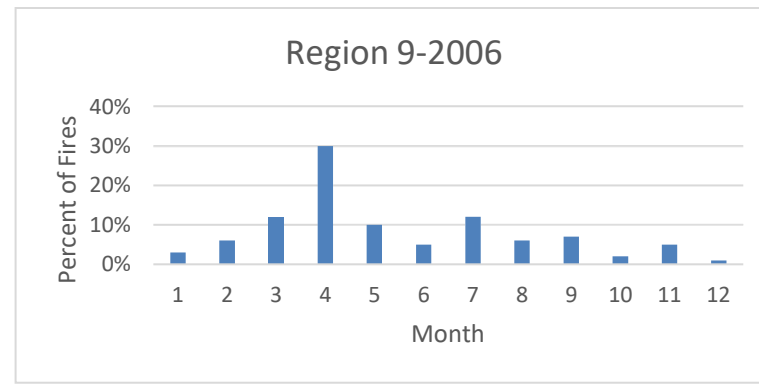
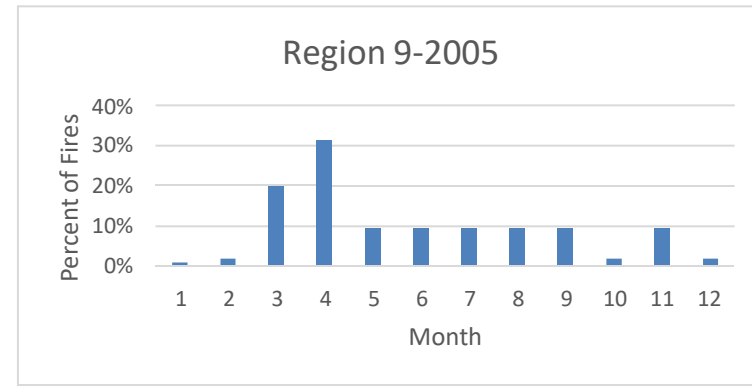
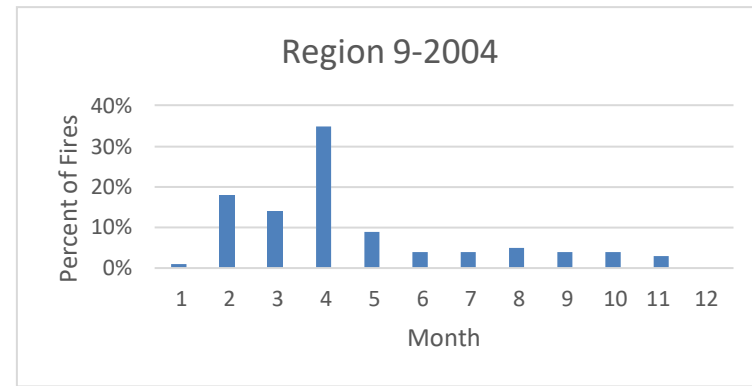
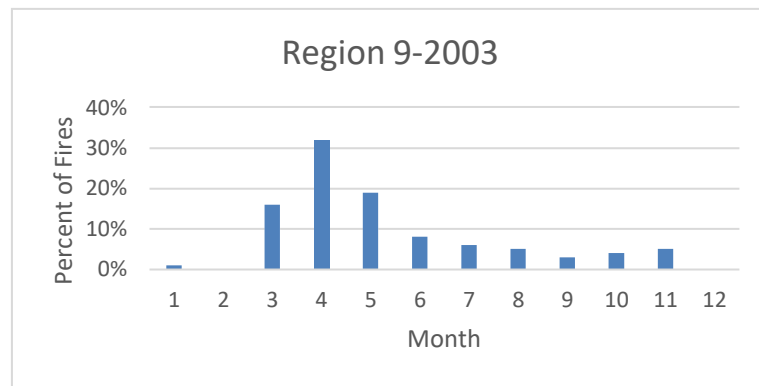
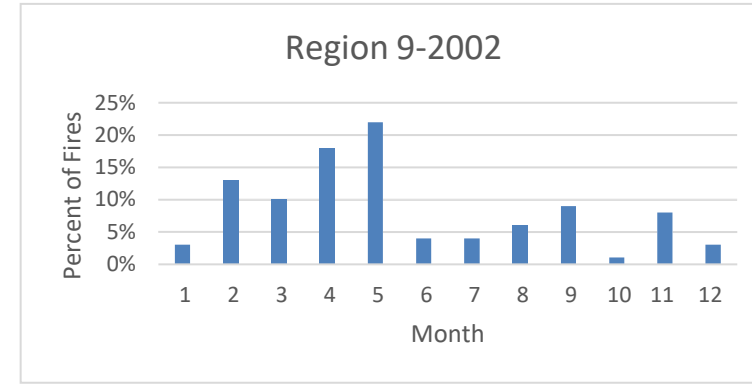
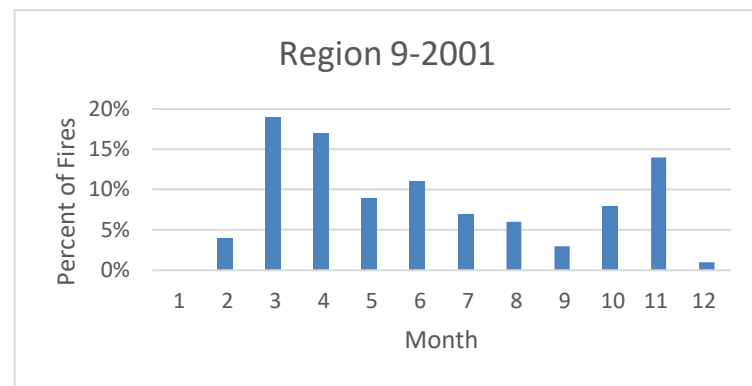
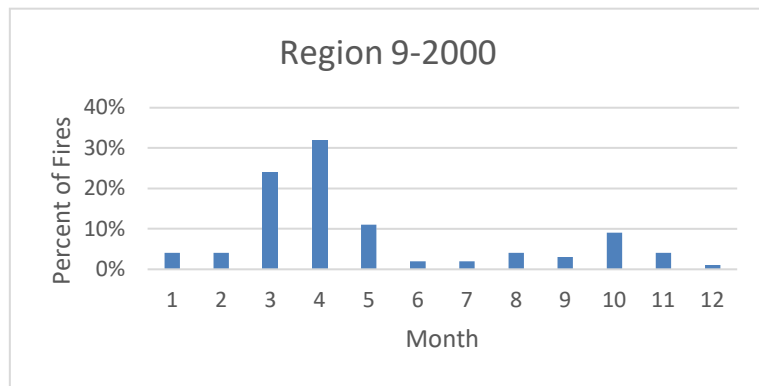


Percent Fires burned in Region 8 by month and year

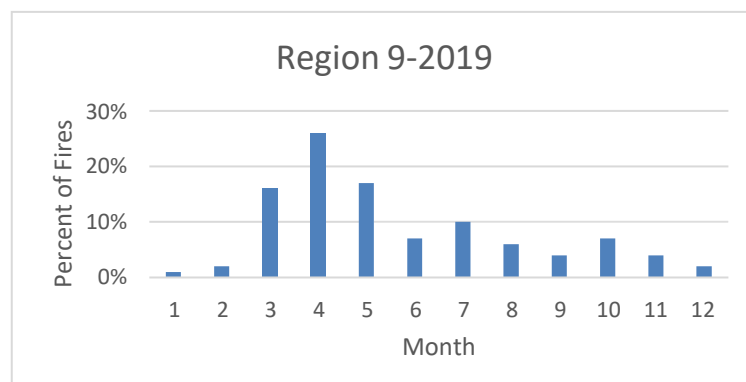
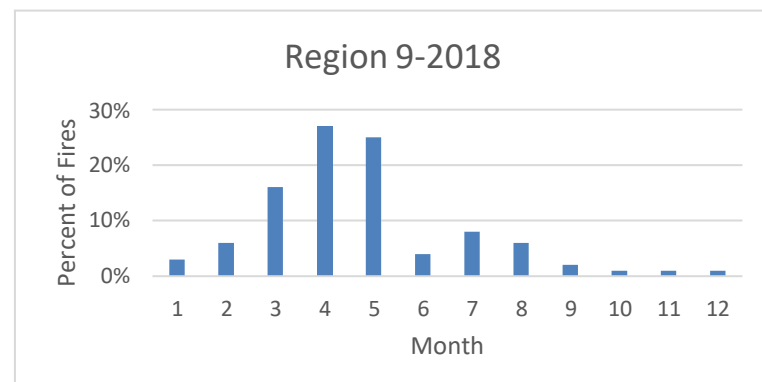
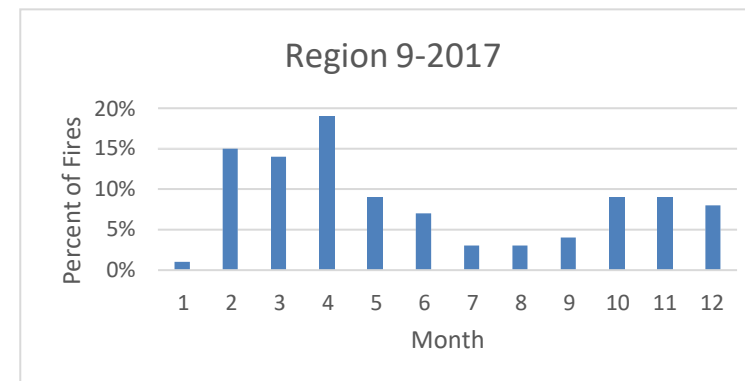
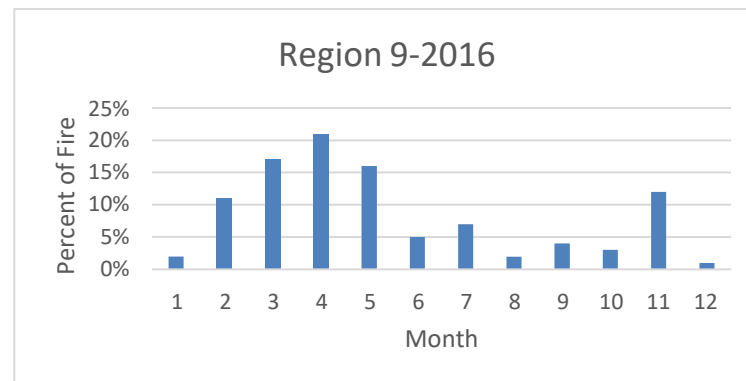
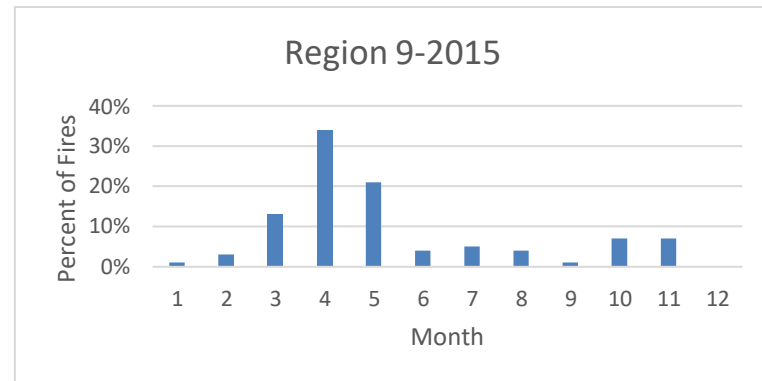
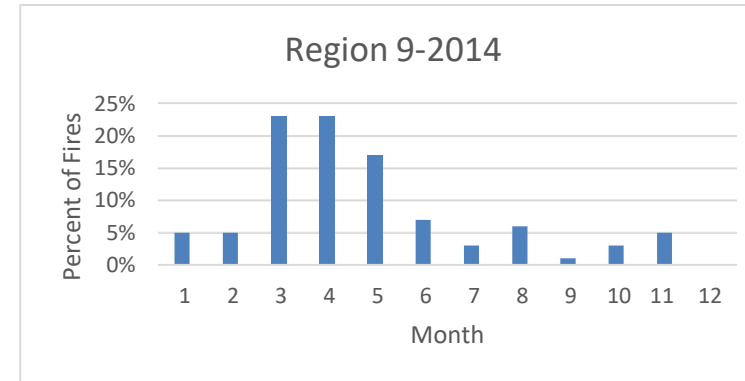
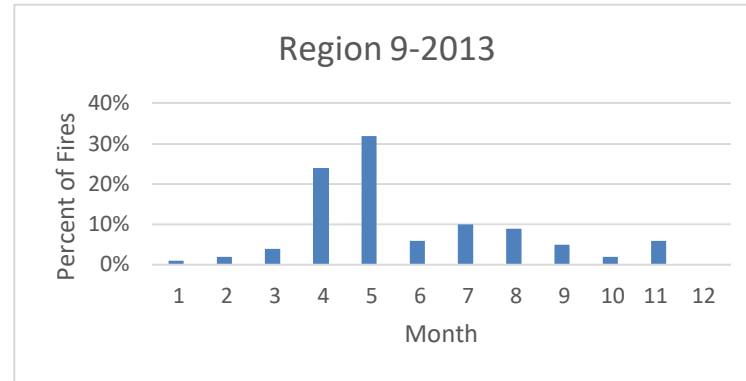
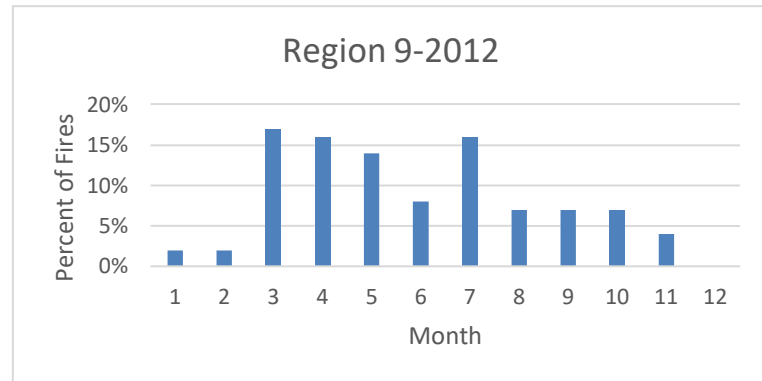
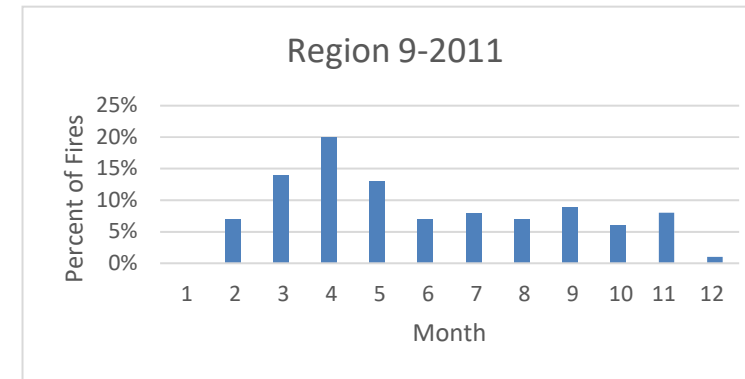
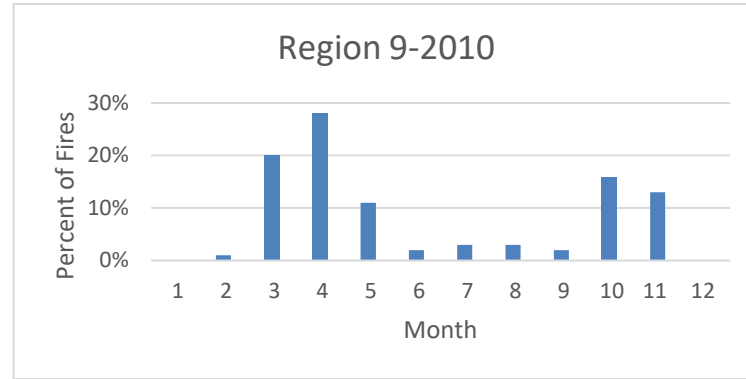
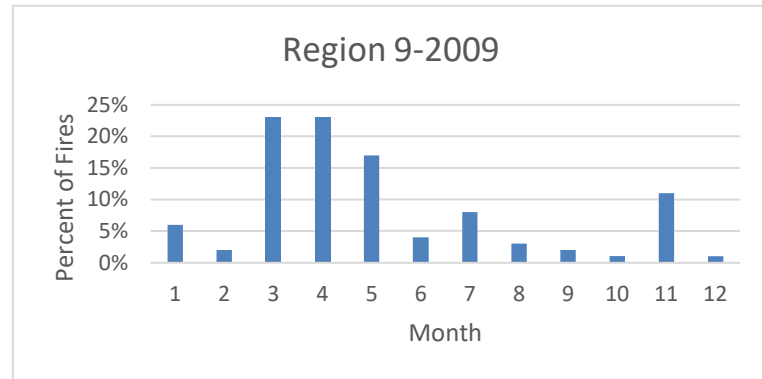


Percent Fires burned in Region 9 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	4%	0%	3%	1%	1%	1%	3%	0%	2%	6%	0%	0%	2%	1%	5%	1%	2%	1%	3%	1%
February	4%	4%	13%	0%	18%	2%	6%	2%	1%	2%	1%	7%	2%	2%	5%	3%	11%	15%	6%	2%
March	24%	19%	10%	16%	14%	20%	12%	16%	6%	23%	20%	14%	17%	4%	23%	13%	17%	14%	16%	16%
April	32%	17%	18%	32%	35%	31%	30%	18%	25%	23%	28%	20%	16%	24%	23%	34%	21%	19%	27%	26%
May	11%	9%	22%	19%	9%	9%	10%	13%	27%	17%	11%	13%	14%	32%	17%	21%	16%	9%	25%	17%
June	2%	11%	4%	8%	4%	6%	5%	10%	4%	4%	2%	7%	8%	6%	7%	4%	5%	7%	4%	7%
July	2%	7%	4%	6%	4%	7%	12%	8%	6%	8%	3%	8%	16%	10%	3%	5%	7%	3%	8%	10%
August	4%	6%	6%	5%	5%	5%	6%	16%	10%	3%	3%	7%	7%	9%	6%	4%	2%	3%	6%	6%
September	3%	3%	9%	3%	4%	7%	7%	10%	3%	2%	2%	9%	7%	5%	1%	1%	4%	4%	2%	4%
October	9%	8%	1%	4%	4%	2%	2%	5%	4%	1%	16%	6%	7%	2%	3%	7%	3%	9%	1%	7%
November	4%	14%	8%	5%	3%	7%	5%	2%	9%	11%	13%	8%	4%	6%	5%	7%	12%	9%	1%	4%
December	1%	1%	3%	0%	0%	2%	1%	0%	2%	1%	0%	1%	0%	0%	0%	0%	1%	8%	1%	2%

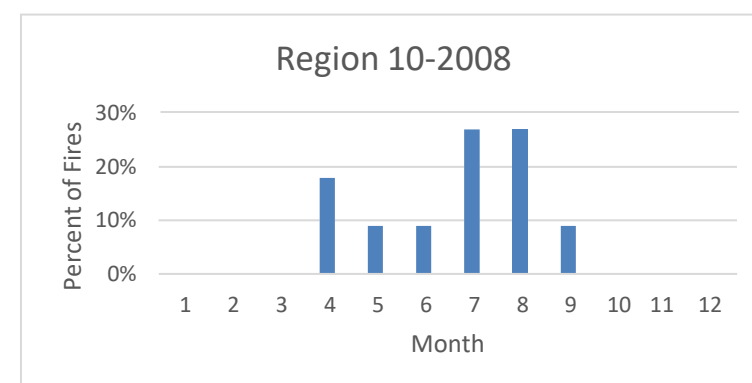
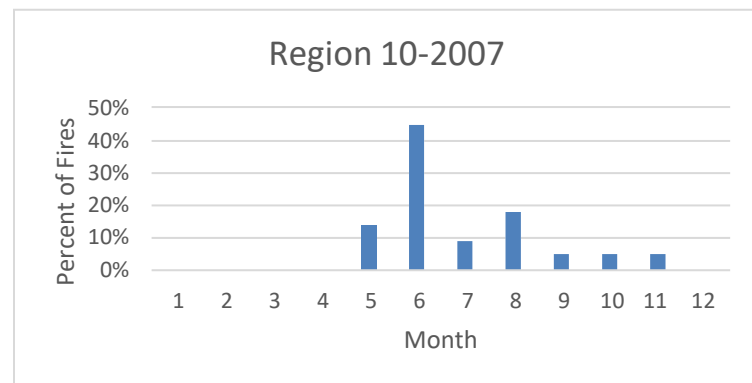
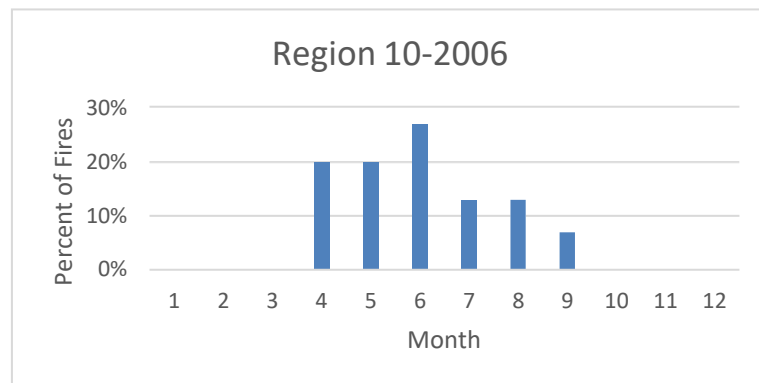
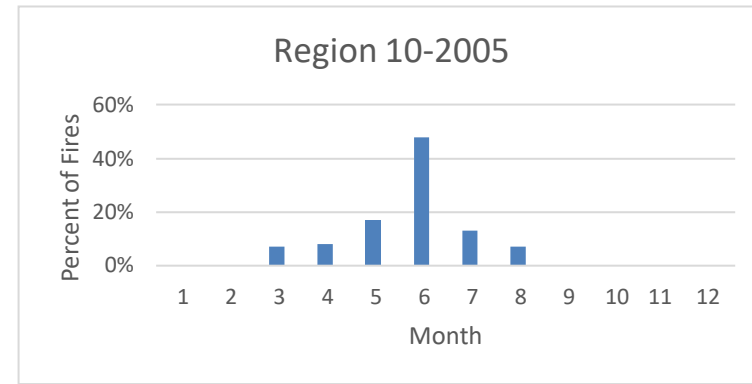
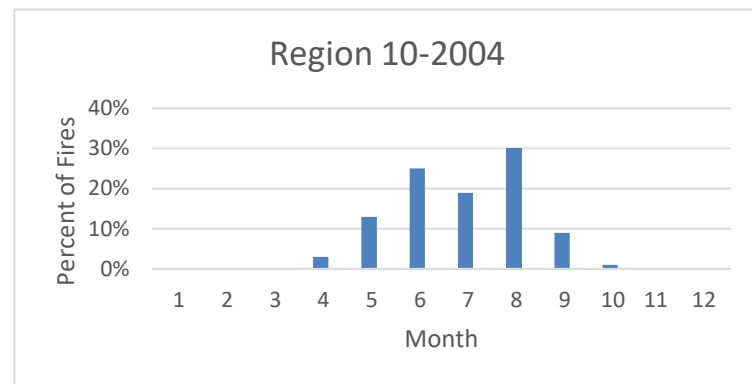
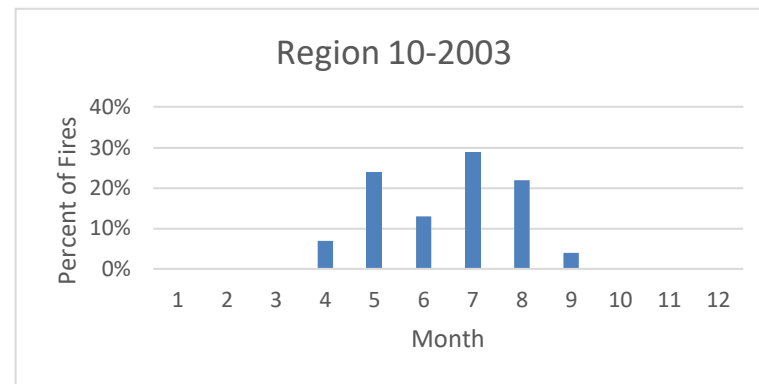
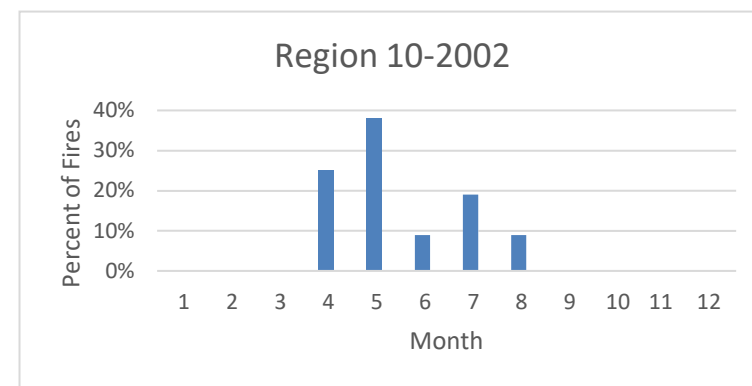
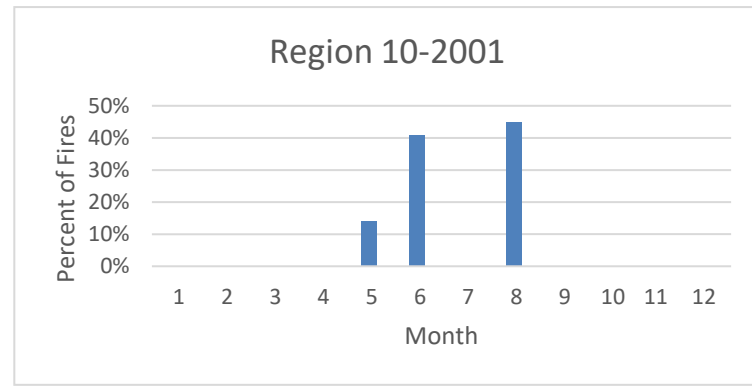
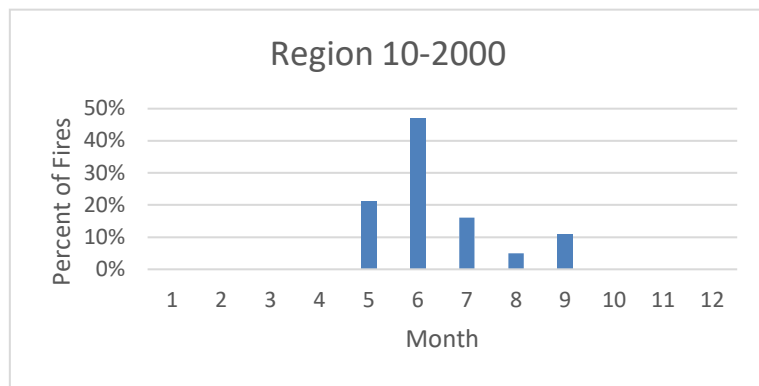


Percent Fires burned in Region 9 by month and year

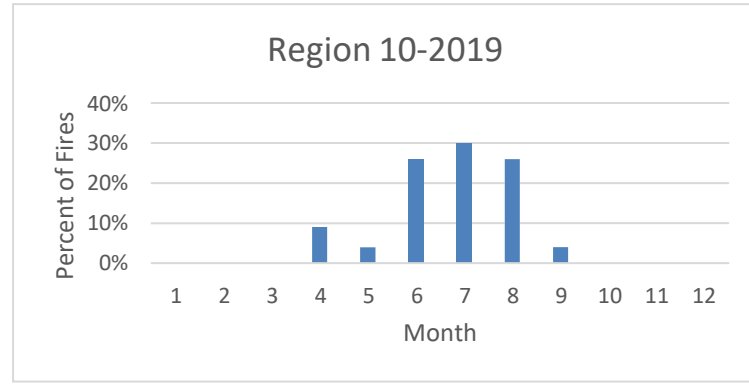
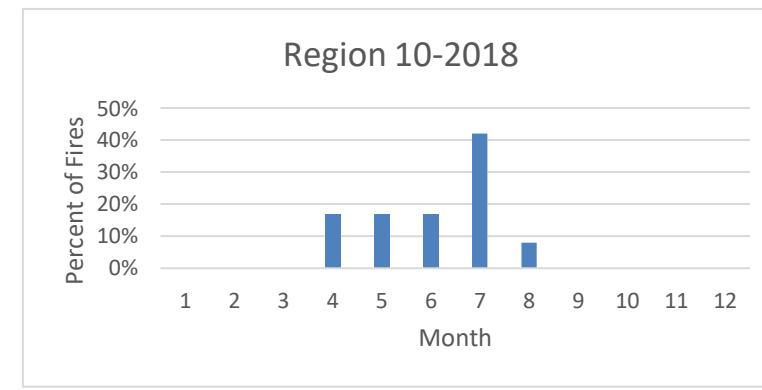
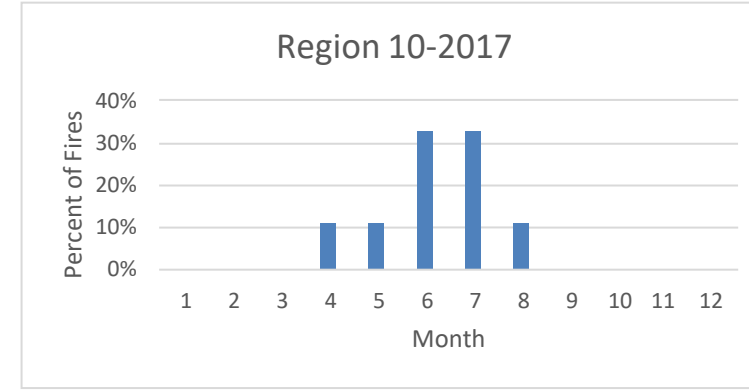
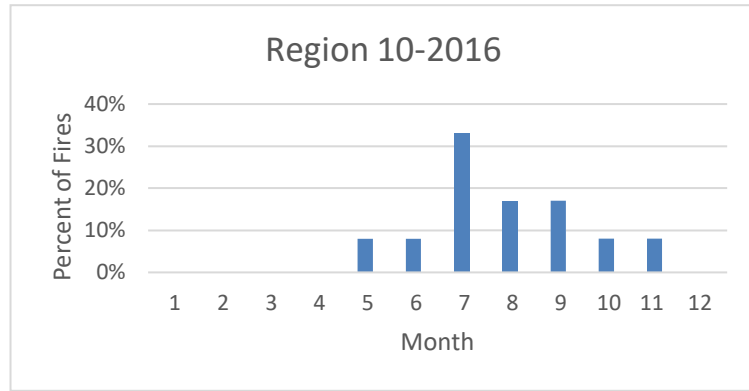
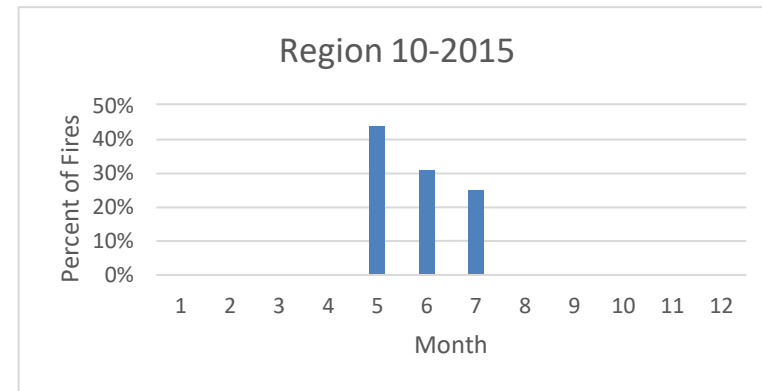
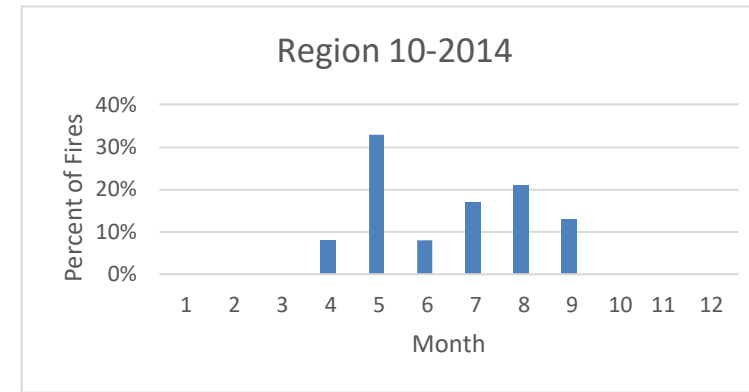
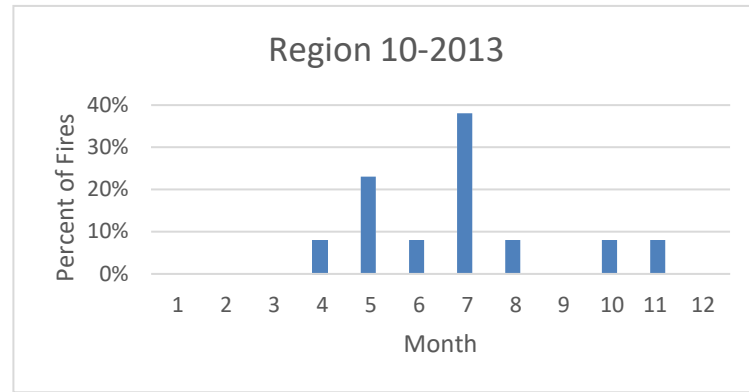
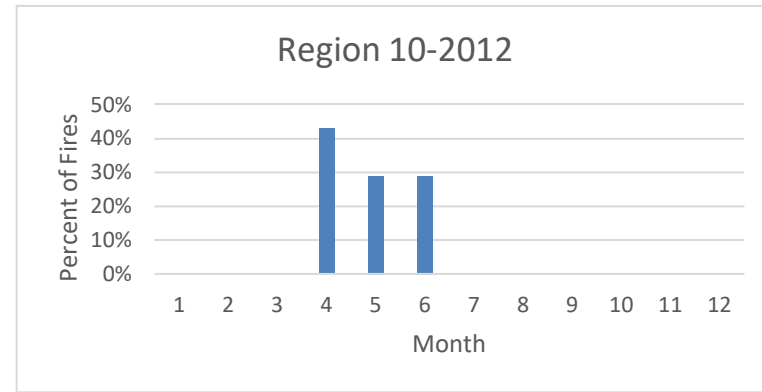
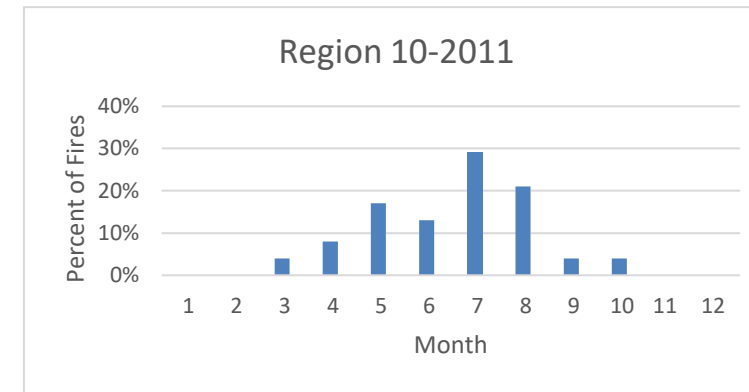
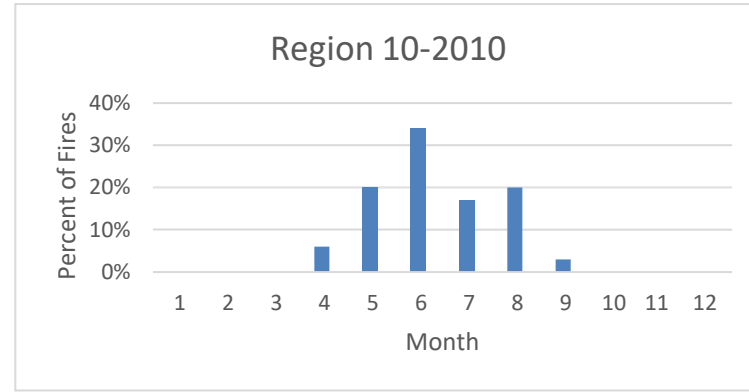
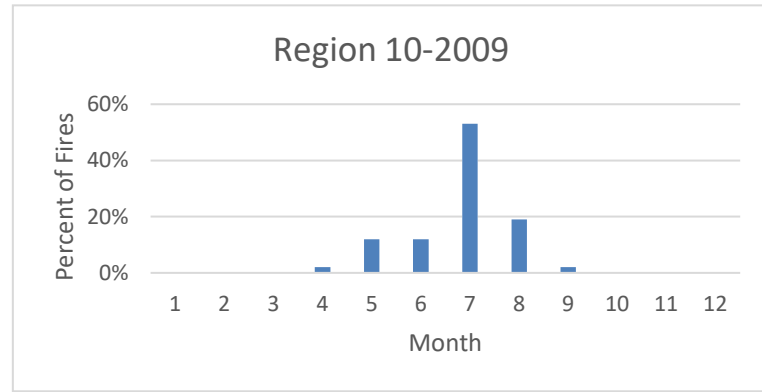


Percent Fires burned in Region 10 by month and year

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
February	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
March	0%	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%
April	0%	0%	25%	7%	3%	8%	20%	0%	18%	2%	6%	8%	43%	8%	8%	0%	0%	11%	17%	9%
May	21%	14%	38%	24%	13%	17%	20%	14%	9%	12%	20%	17%	29%	23%	33%	44%	8%	11%	17%	4%
June	47%	41%	9%	13%	25%	48%	27%	45%	9%	12%	34%	13%	29%	8%	8%	31%	8%	33%	17%	26%
July	16%	0%	19%	29%	19%	13%	13%	9%	27%	53%	17%	29%	0%	38%	17%	25%	33%	33%	42%	30%
August	5%	45%	9%	22%	30%	7%	13%	18%	27%	19%	20%	21%	0%	8%	21%	0%	17%	11%	8%	26%
September	11%	0%	0%	4%	9%	0%	7%	5%	9%	2%	3%	4%	0%	0%	13%	0%	17%	0%	0%	4%
October	0%	0%	0%	0%	1%	0%	0%	5%	0%	0%	0%	4%	0%	8%	0%	0%	8%	0%	0%	0%
November	0%	0%	0%	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%	8%	0%	0%	8%	0%	0%	0%
December	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

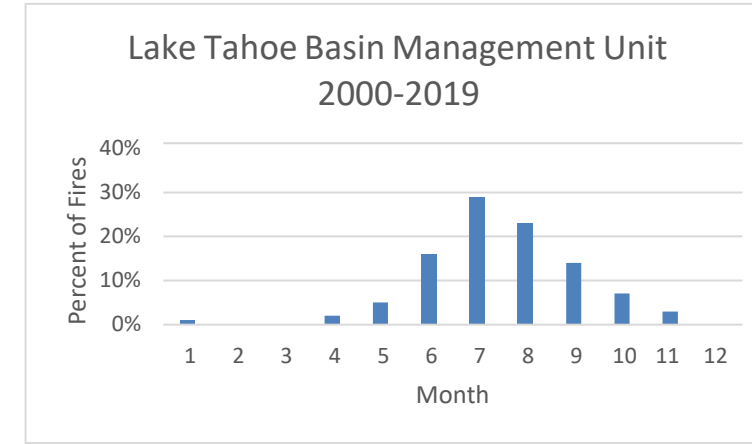
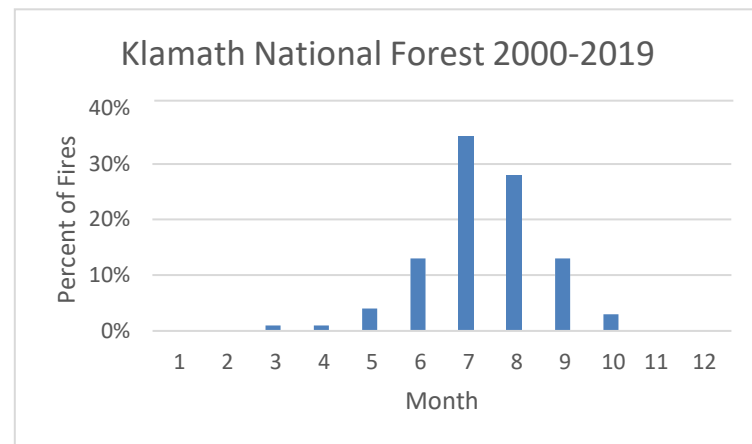
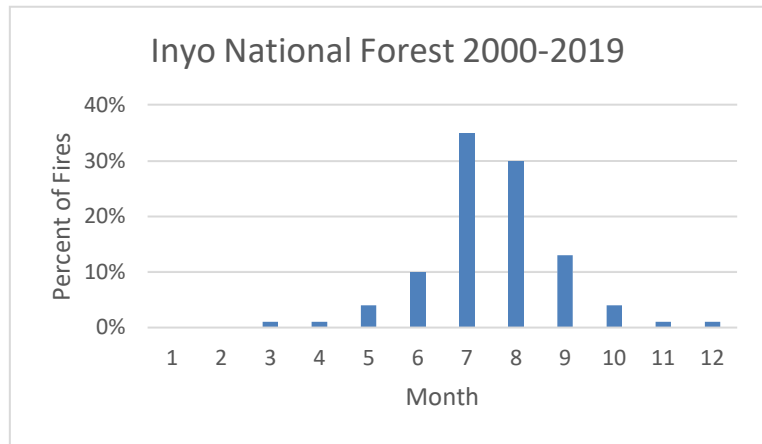
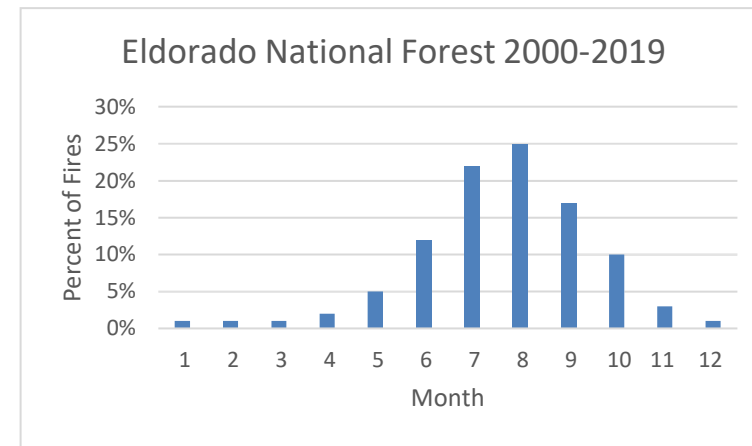
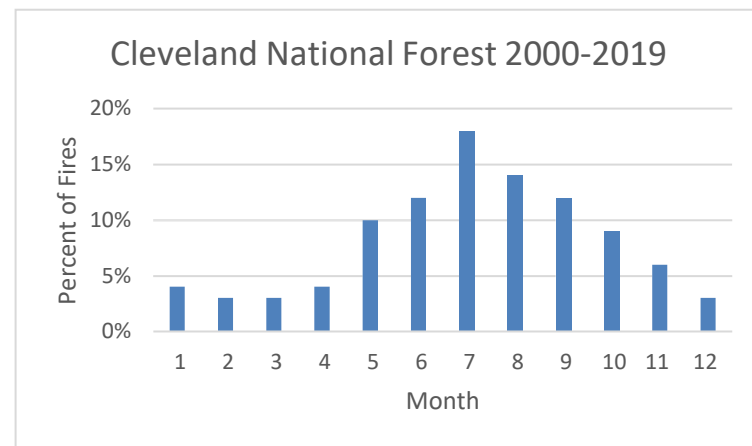
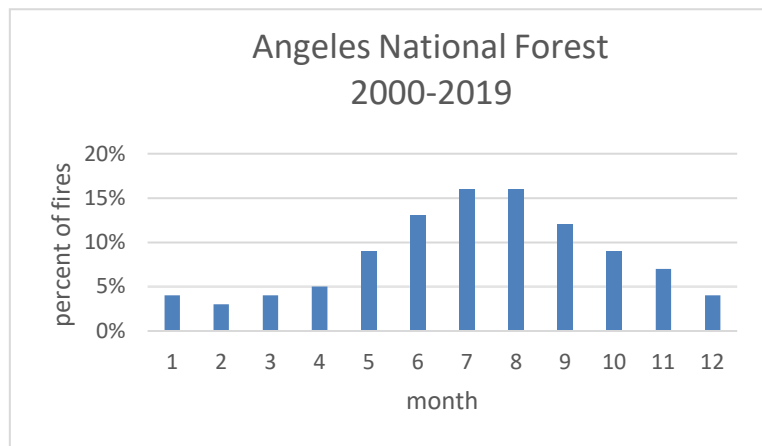


Percent Fires burned in Region 10 by month and year



Region 5 Percent fires burned by Month, by Forest for the period 2000-2019

Forest	January	February	March	April	May	June	July	August	September	October	November	December
Angeles	4%	3%	4%	5%	9%	13%	16%	16%	12%	9%	7%	4%
Cleveland	4%	3%	3%	4%	10%	12%	18%	14%	12%	9%	6%	3%
Eldorado	1%	1%	1%	2%	5%	12%	22%	25%	17%	10%	3%	1%
Inyo	0%	0%	1%	1%	4%	10%	35%	30%	13%	4%	1%	1%
Klamath	0%	0%	1%	1%	4%	13%	35%	28%	13%	3%	0%	0%
LTBMU	1%	0%	0%	2%	5%	16%	29%	23%	14%	7%	3%	0%
Lassen	1%	1%	1%	2%	7%	16%	29%	21%	17%	5%	1%	0%
Los Padres	3%	3%	3%	5%	9%	13%	19%	16%	14%	8%	5%	2%
Mendocino	1%	0%	1%	2%	6%	25%	16%	16%	26%	4%	3%	1%
Modoc	0%	0%	0%	1%	3%	10%	40%	29%	13%	2%	0%	0%
Plumas	1%	1%	1%	3%	7%	19%	26%	19%	15%	5%	2%	1%
San Bernardino	3%	2%	2%	4%	8%	13%	19%	20%	13%	9%	5%	3%
Sequoia	1%	1%	1%	2%	7%	14%	30%	20%	14%	10%	2%	1%
Shasta-Trinity	1%	1%	1%	3%	8%	19%	25%	21%	15%	4%	2%	1%
Sierra	1%	1%	1%	2%	3%	10%	29%	21%	20%	10%	2%	1%
Six Rivers	1%	0%	1%	2%	5%	19%	26%	23%	14%	7%	1%	1%
Stanislaus	1%	1%	1%	1%	4%	12%	27%	22%	18%	10%	2%	1%
Tahoe	1%	1%	1%	2%	5%	14%	26%	23%	18%	8%	2%	1%



Region 5 Percent fires burned by Month, by Forest for the period 2000-2019

