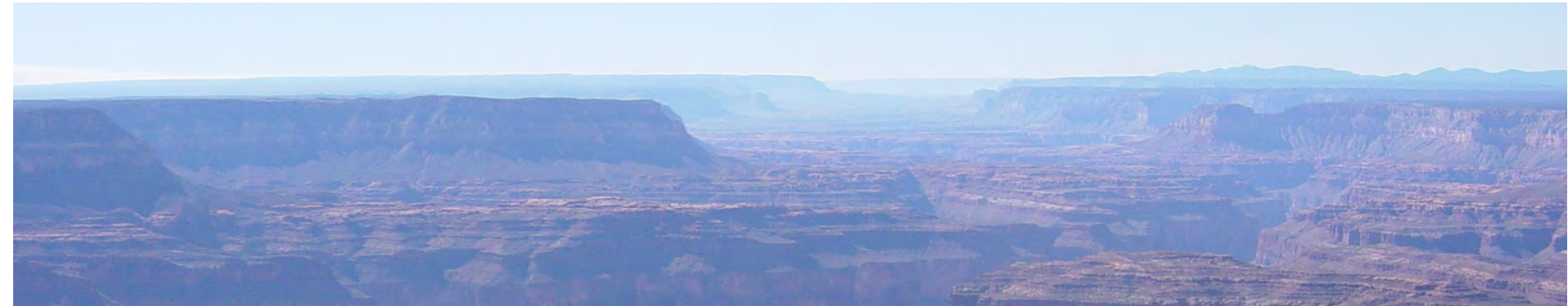


# Grand Canyon River Office



## **2016 River Use Statistics**

**-by Steve Sullivan**

# Topics

River Use Statistics Overview

Commercial River Use Statistics

Noncommercial River Use Statistics

Noncommercial River Lottery Statistics

Waitlist Update

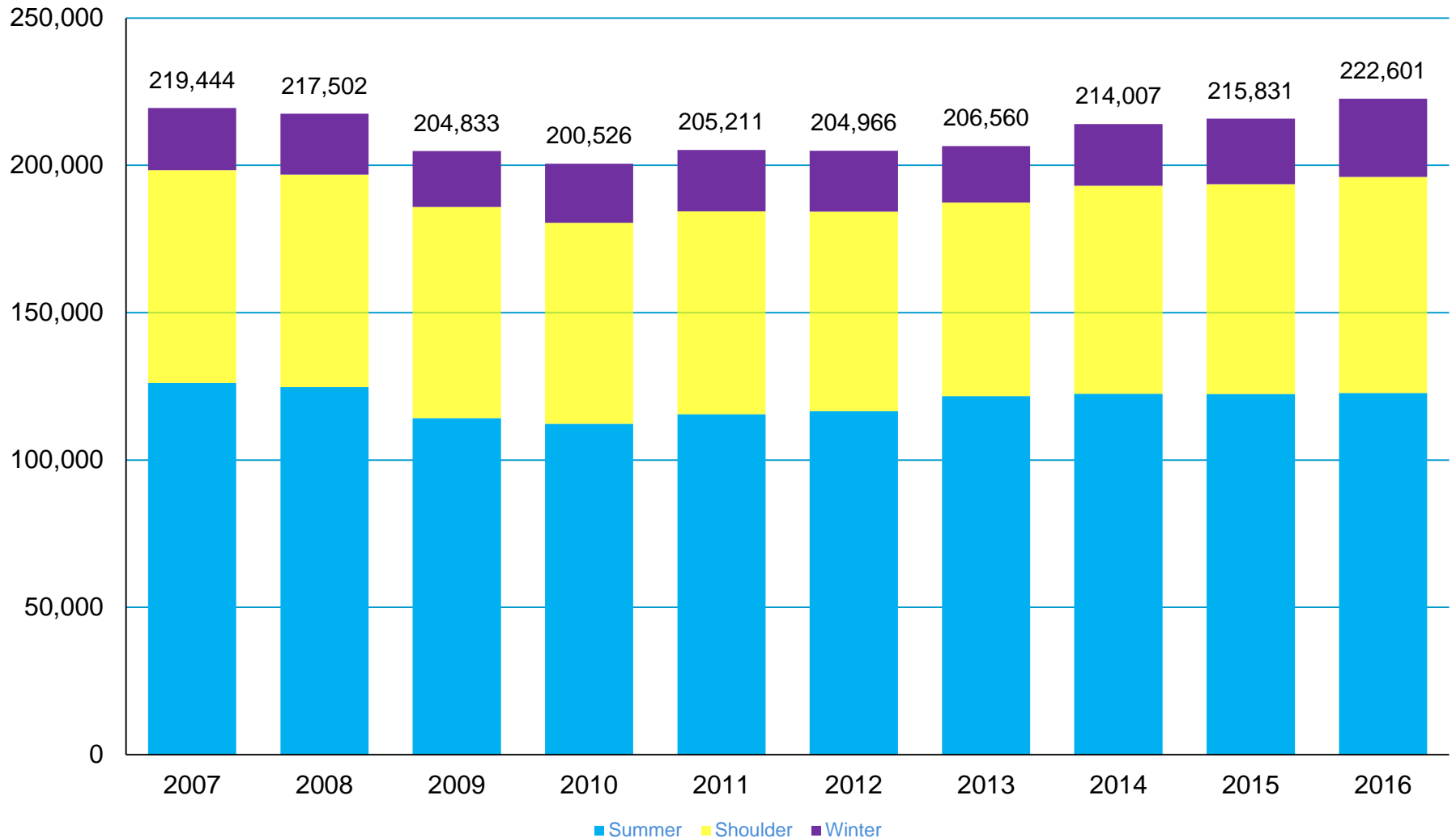
Backcountry Use Statistics

# Topics



River Use Statistics Overview

# Total User-Days Commercial + Noncommercial River Trips



# Calendar Year 2016 River

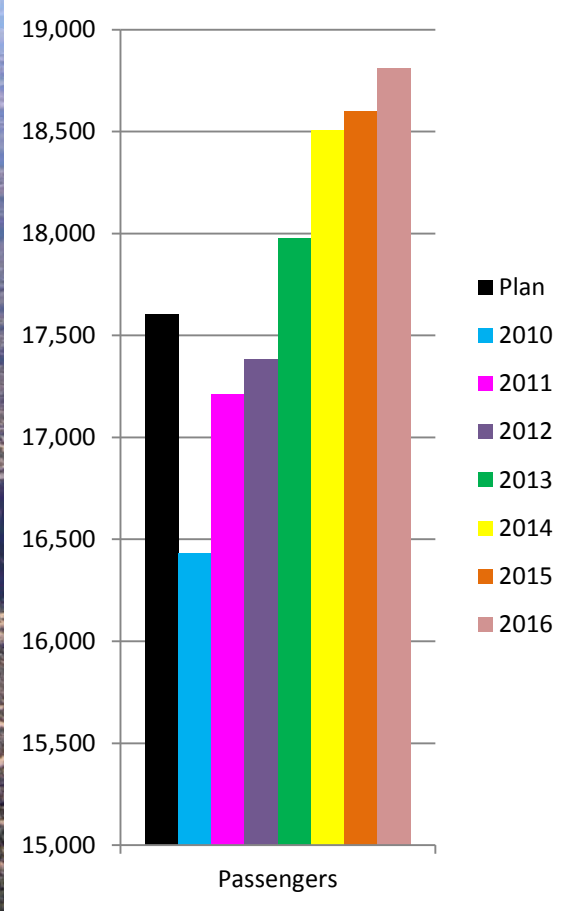
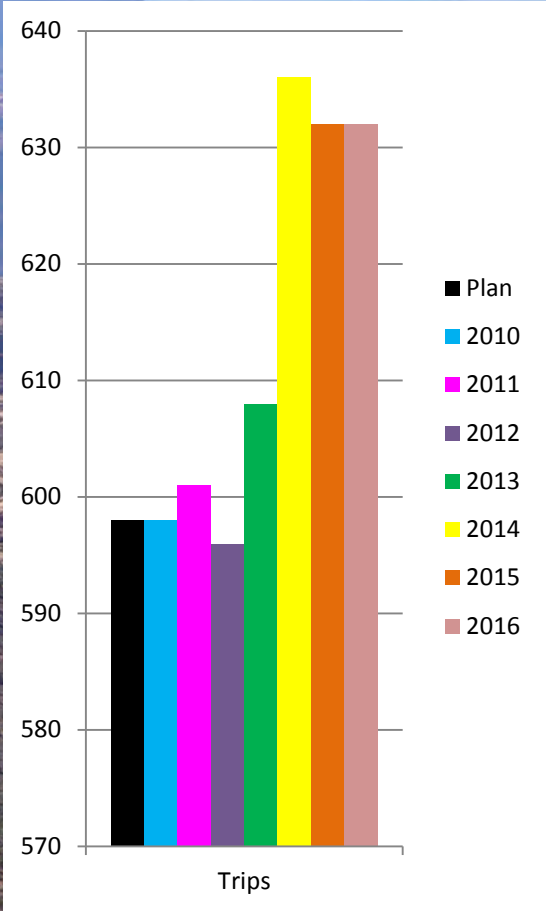
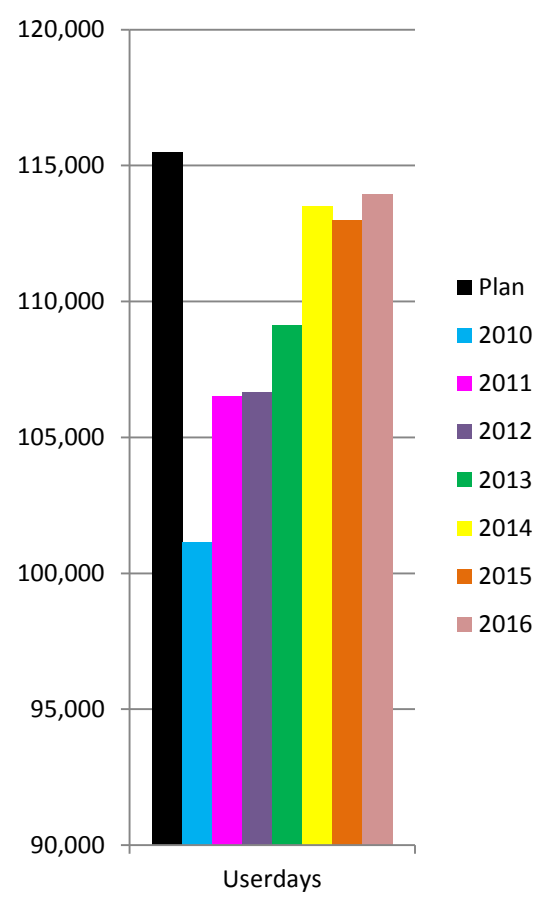
Calendar Year 2016			Commercial			Noncommercial		
			Motor	Nonmotor	Total	Standard	Small	Total
User Days	Total	Summer	60,728	26,954	87,682	28,058	6,991	35,049
		Shoulder	9,367	16,860	26,227	45,232	1,861	47,093
		Winter	0	0	0	26,550	0	26,550
		Full Year	70,095	43,814	112,973	99,840	8,852	108,692
Trips Launching	Total	Summer	367	123	490	122	62	184
		Shoulder	63	79	142	180	15	195
		Winter	0	0	0	118	0	118
		Full Year	430	202	632	420	77	497
Recreational Passengers	Total	Summer	12,250	3,375	15,625	1,945	479	2,424
		Shoulder	1,662	1,522	3,184	2,740	114	2,854
		Winter	0	0	0	1,357	0	1,357
		Full Year	13,912	4,897	18,809	6,042	593	6,635

# Topics



Commercial River Use Statistics

# Commercial Use 2010-2016

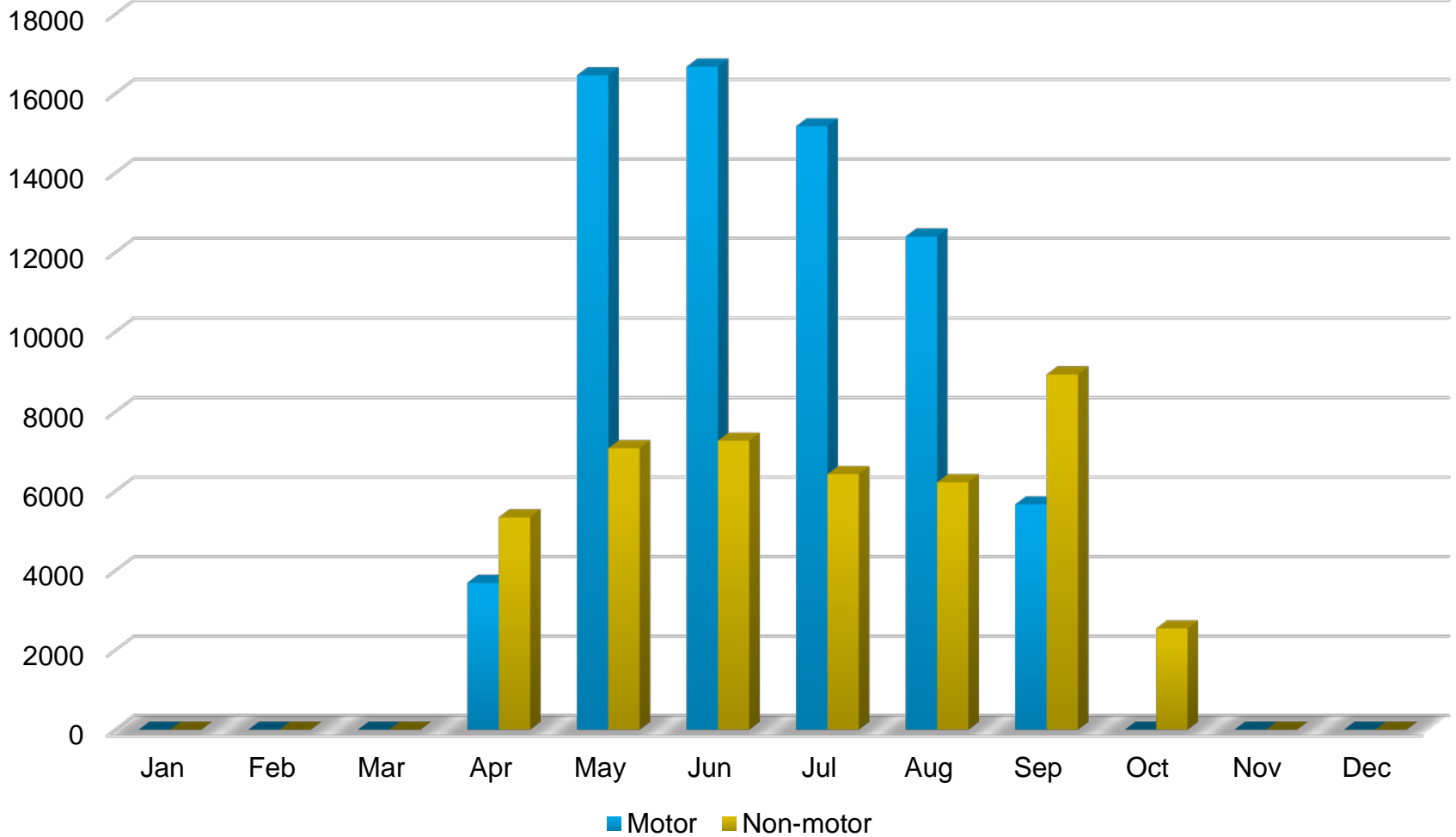


# Commercial Use by Season

Commercial		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
User-Days	Summer	91,553	90,908	81,347	79,071	82,931	84,386	87,335	89,961	88,514	87,682
	Shoulder	22,453	23,102	21,501	22,066	23,577	22,273	21,774	23,541	24,459	26,227
	Winter	0	0	0	0	0	0	0	0	0	0
	Full Year	114,006	114,010	102,848	101,137	106,508	106,659	109,109	113,502	112,973	113,909
Trips	Summer	482	486	468	470	470	470	474	495	492	490
	Shoulder	124	124	124	128	131	126	134	141	140	142
	Winter	0	0	0	0	0	0	0	0	0	0
	Full Year	606	610	592	598	601	596	608	636	632	632
Passengers	Summer	15,761	15,644	13,866	13,801	14,299	14,608	15,266	15,662	15,501	15,625
	Shoulder	2,656	2,722	2,580	2,633	2,909	2,776	2,712	2,845	3,098	3,184
	Winter	0	0	0	0	0	0	0	0	0	0
	Full Year	18,417	18,366	16,446	16,434	17,208	17,384	17,978	18,507	18,599	18,809



# Commercial User-Days by Month 2016

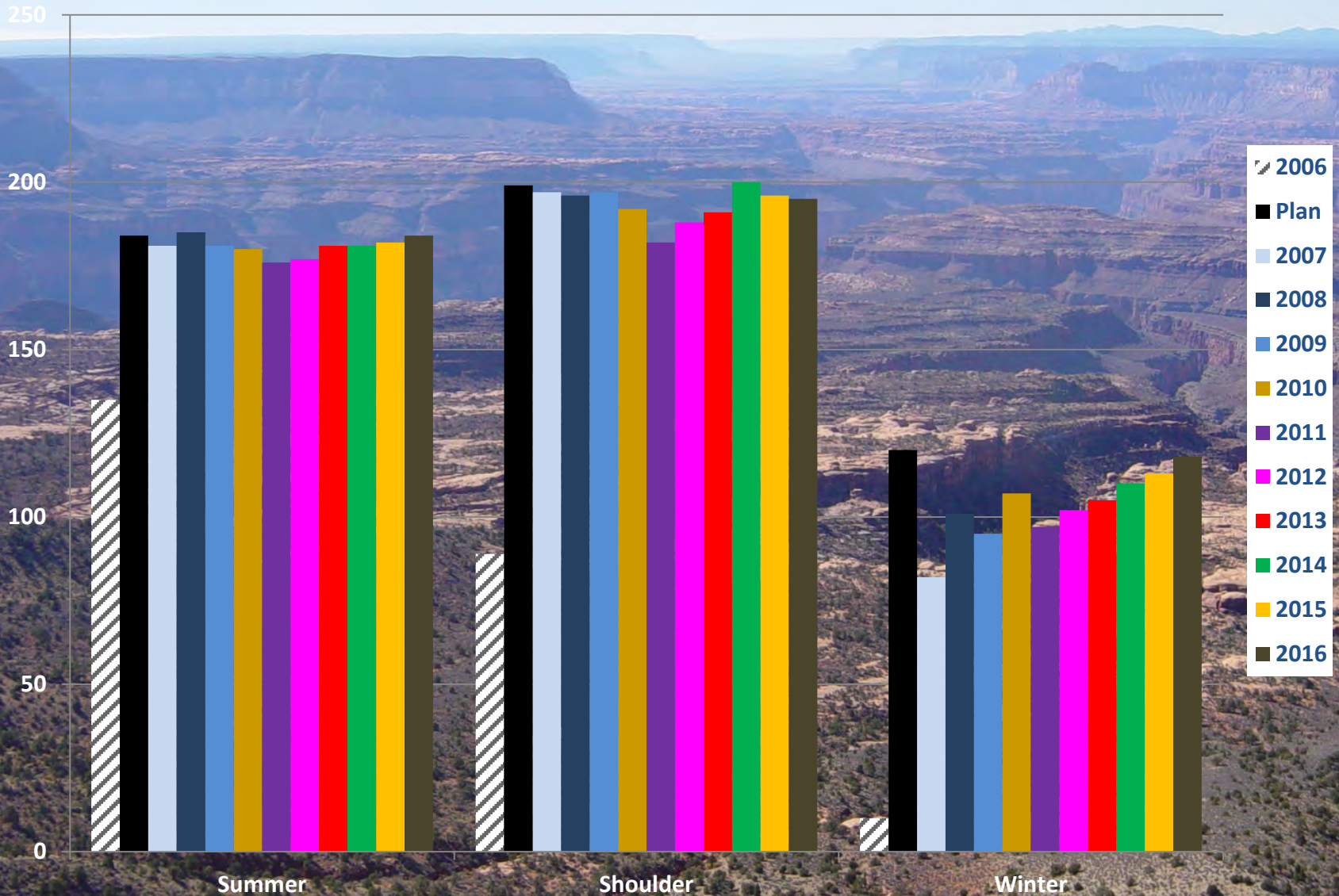


# Topics

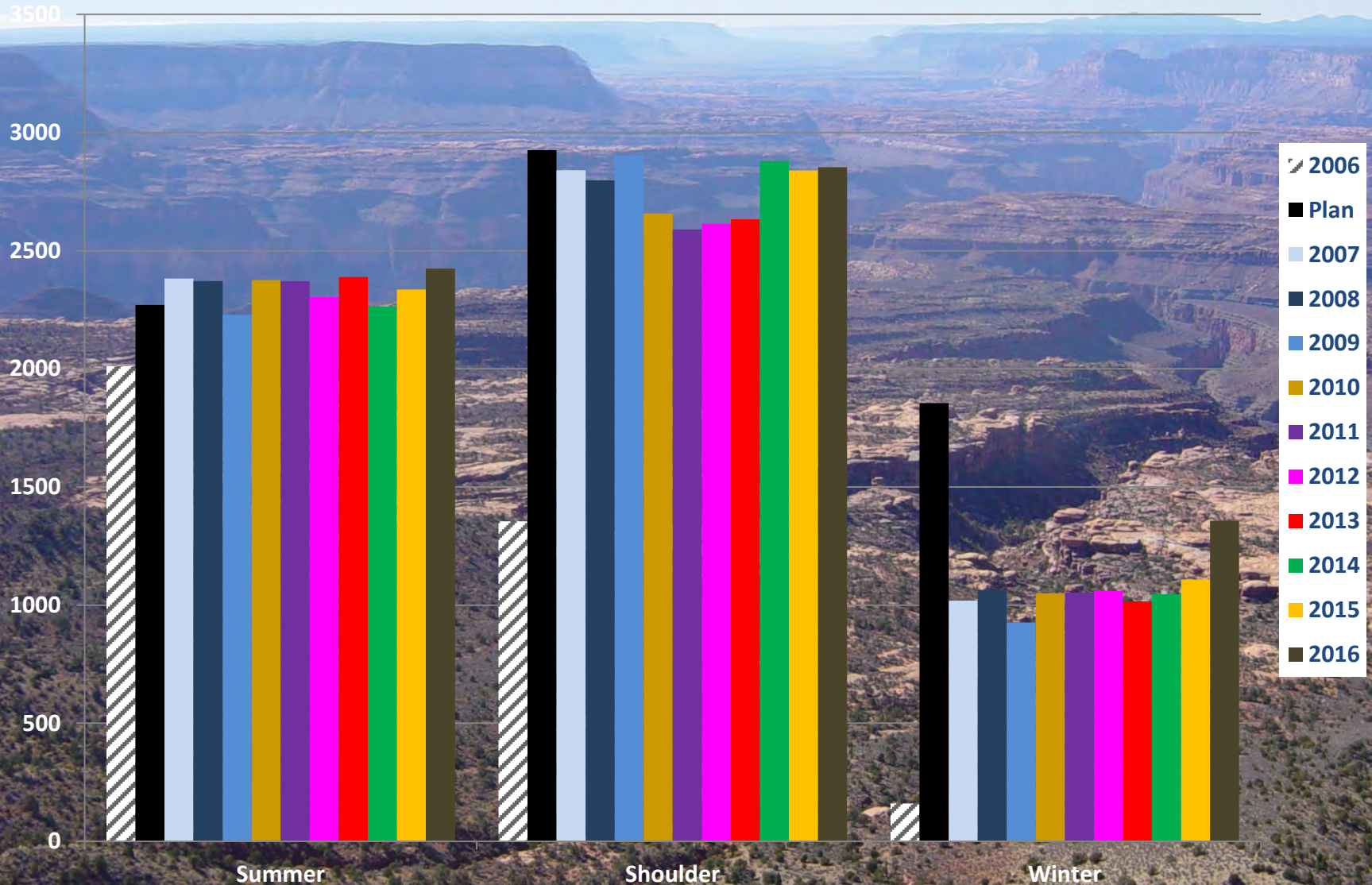
An aerial photograph of a vast, layered canyon landscape, likely the Grand Canyon, showing deep valleys and high plateaus under a clear blue sky. A blue callout box with a white border and a yellow circle on the left side is overlaid on the lower part of the image.

Noncommercial River Use Statistics

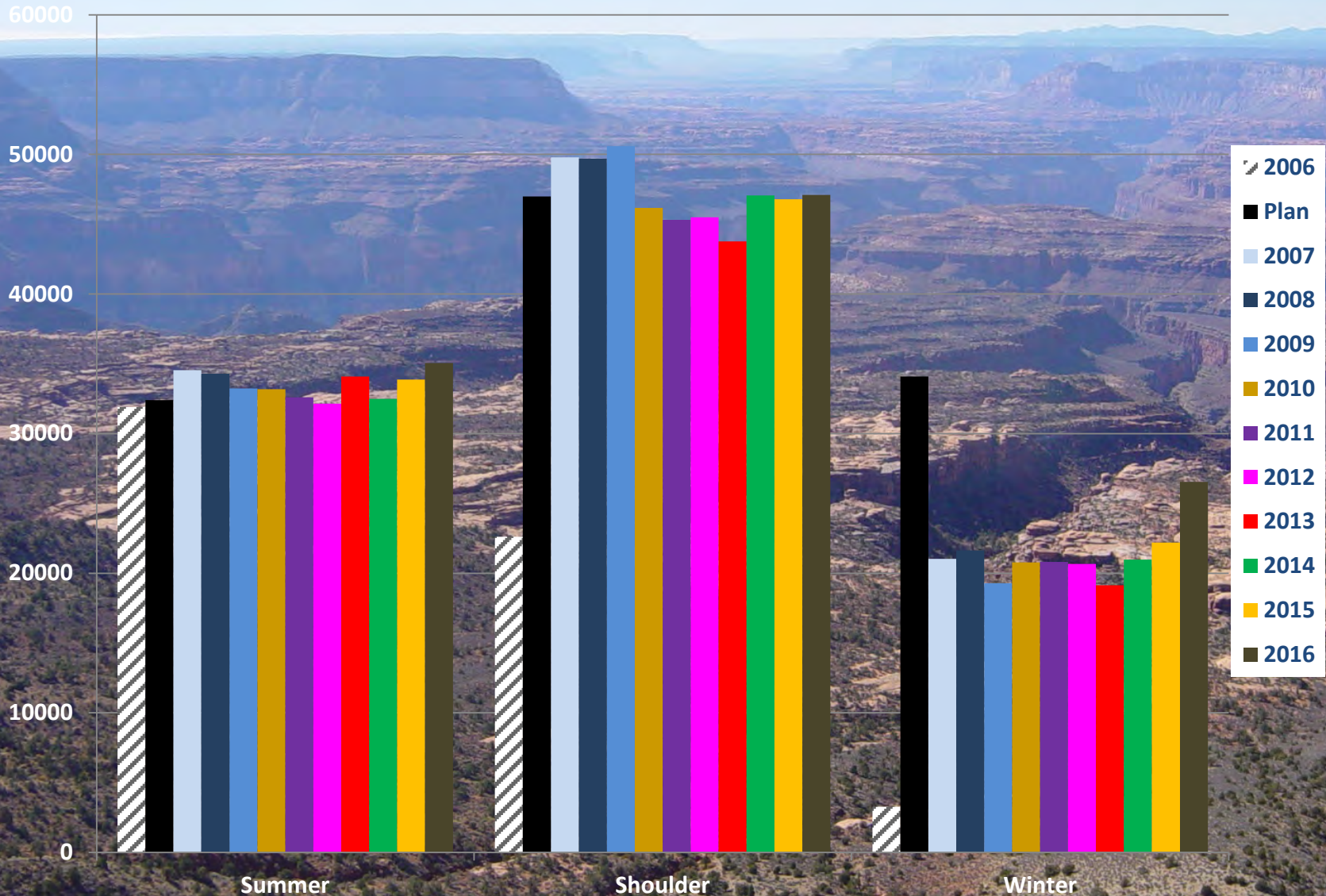
# Noncommercial Trips by Season



# Noncommercial Participants by Season

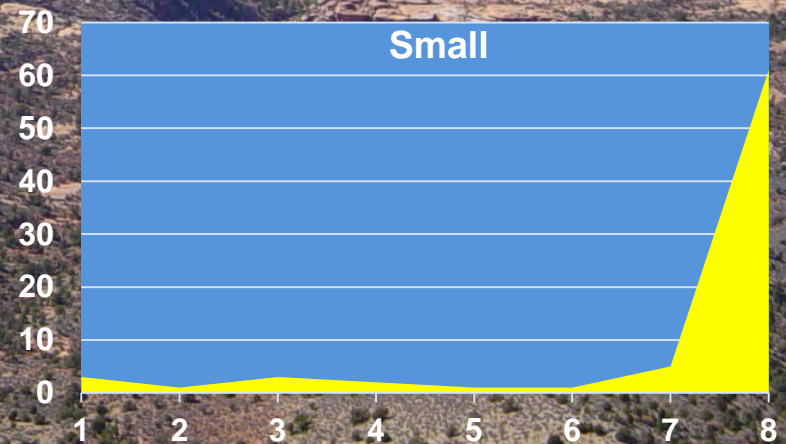
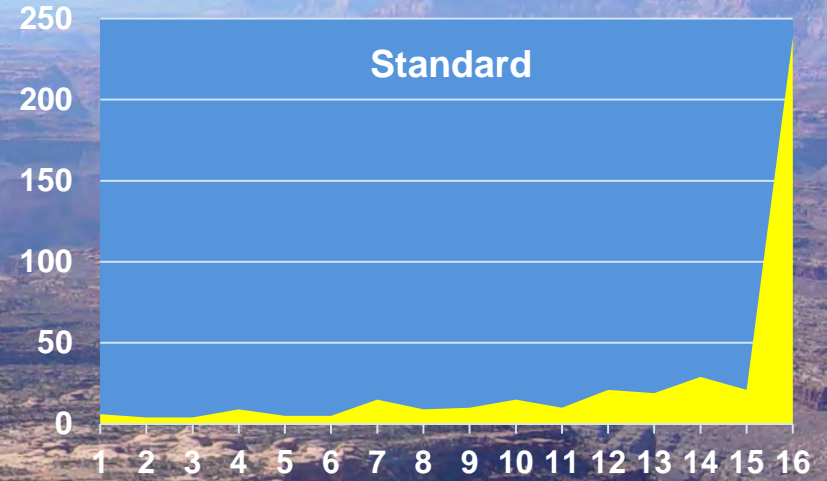


# Noncommercial User-Days by Season



# Noncommercial Trip Sizes in 2016

Participants	Standard Trips	Small Trips
1	10	3
2	9	1
3	3	3
4	6	2
5	5	1
6	5	1
7	15	5
8	9	61
9	10	0
10	15	0
11	10	0
12	21	0
13	19	0
14	29	0
15	21	0
16	238	0



# Noncommercial Trip Sizes by Month in 2016

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
<b>January</b>	4	1	0	2	2	0	2	2	2	2	1	2	1	1	0	4	<b>31</b>
<b>February</b>	0	1	1	2	2	0	2	1	1	2	2	1	1	2	0	0	<b>25</b>
<b>March</b>	0	1	0	1	0	2	1	1	2	1	1	2	4	2	3	0	<b>59</b>
<b>April</b>	0	1	0	1	0	0	0	13	0	2	0	1	0	3	0	0	<b>44</b>
<b>May</b>	1	1	1	0	0	0	1	13	0	0	3	0	1	2	1	1	<b>47</b>
<b>June</b>	1	0	0	1	0	1	4	11	0	1	0	1	0	2	2	1	<b>46</b>
<b>July</b>	0	0	2	0	0	1	2	12	0	1	0	2	0	2	4	0	<b>46</b>
<b>August</b>	1	0	0	0	1	0	1	14	1	0	0	1	0	6	4	1	<b>46</b>
<b>September</b>	0	0	1	1	0	0	2	0	1	0	0	2	2	4	3	0	<b>43</b>
<b>October</b>	1	0	0	1	0	0	0	0	1	3	1	4	6	2	1	1	<b>48</b>
<b>November</b>	0	0	1	0	1	2	0	2	0	2	1	1	0	3	3	0	<b>32</b>
<b>December</b>	1	0	1	2	0	0	5	1	2	1	1	4	4	0	0	1	<b>33</b>
	<b>9</b>	<b>5</b>	<b>7</b>	<b>11</b>	<b>6</b>	<b>6</b>	<b>20</b>	<b>70</b>	<b>10</b>	<b>15</b>	<b>10</b>	<b>21</b>	<b>19</b>	<b>29</b>	<b>21</b>	<b>238</b>	<b>497</b>

# Types of Noncommercial Watercraft in 2016

	oar	hard shell kayak	inflatable kayak	cataraft	paddleboard	dory	paddleboat	motor	packraft	other	canoe
January	86	66	14	4	5	0	1	0	14	0	0
February	87	44	5	9	3	2	0	0	2	2	0
March	273	108	24	12	10	12	8	0	0	0	2
April	204	35	22	15	5	2	2	0	2	1	1
May	182	48	22	16	10	2	0	7	0	5	0
June	163	35	22	22	9	1	6	7	0	0	0
July	163	34	27	9	7	2	1	6	2	5	1
August	160	42	16	11	12	4	6	8	0	0	1
September	196	39	16	30	3	2	0	2	4	0	1
October	228	58	16	22	14	8	6	0	1	0	1
November	130	54	4	8	1	4	2	0	0	1	0
December	116	64	4	8	1	1	0	0	1	0	1
<b>TOTAL</b>	<b>1,988</b>	<b>627</b>	<b>192</b>	<b>166</b>	<b>80</b>	<b>40</b>	<b>32</b>	<b>30</b>	<b>26</b>	<b>14</b>	<b>8</b>



# Noncommercial Use by Season

Noncommercial		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
User-Days	Summer	34,575	33,827	32,838	33,175	32,591	32,146	34,322	32,483	33,873	35,049
	Shoulder	49,793	48,980	50,198	46,163	45,305	45,486	43,901	47,054	46,789	47,093
	Winter	21,070	20,685	18,949	20,051	20,807	20,675	19,228	20,968	22,196	26,550
	Full Year	105,438	103,492	101,985	99,389	98,703	98,307	97,451	100,505	102,858	108,692
Trips	Summer	181	183	181	180	176	177	181	181	182	184
	Shoulder	197	193	197	192	182	188	192	200	196	195
	Winter	82	95	95	106	97	102	106	110	113	118
	Full Year	460	471	473	478	455	467	479	491	491	497
Passengers	Summer	2,397	2,372	2,229	2,376	2,371	2,304	2,393	2,263	2,336	2,424
	Shoulder	2,862	2,798	2,903	2,658	2,590	2,614	2,650	2,879	2,840	2,854
	Winter	1,059	1,061	927	1,034	1,053	1,060	1,020	1,046	1,108	1,357
	Full Year	6,318	6,231	6,059	6,068	6,014	5,978	6,063	6,188	6,284	6,635

# Topics

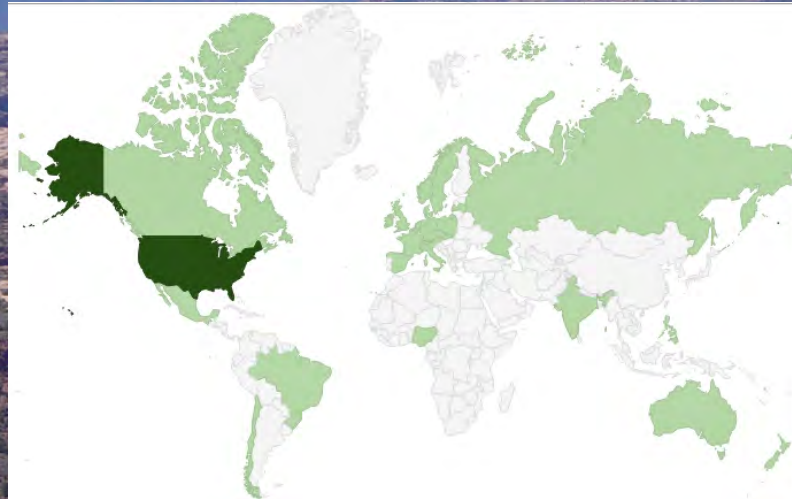


Noncommercial River Lottery Statistics

# Lottery Applicants by Country

(all 2016 Lotteries)

Applications	Country
7373	United States
167	Canada
47	Australia
36	United Kingdom
30	New Zealand
19	Czech Republic
11	Switzerland
8	Russian Federation
8	Germany
7	Netherlands
4	Virgin Islands (US)
4	Ireland
4	Italy
4	Austria
3	France
3	Spain
2	Mexico

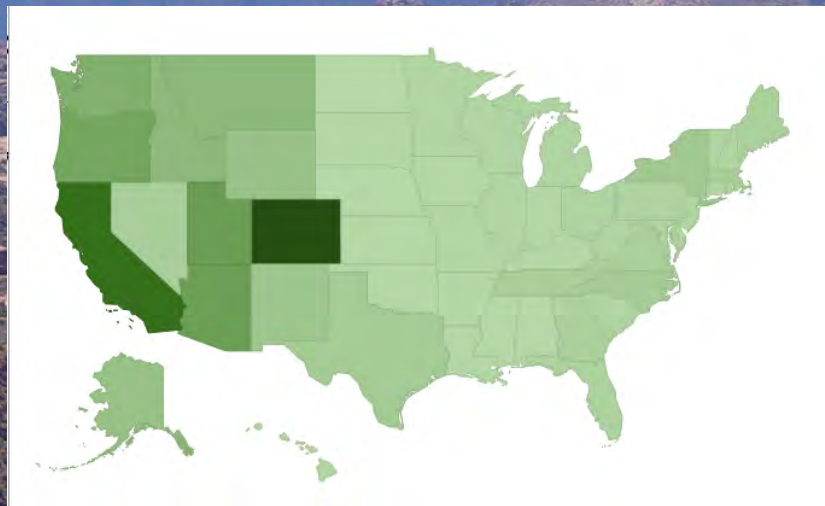


Applications	Country
2	N. Mariana Islands
2	Poland
1	Belgium
1	Brazil
1	Chile
1	Denmark
1	India
1	Latvia
1	Nigeria
1	Norway
1	Philippines
1	Slovakia
1	Sweden
1	Vanuatu

# Lottery Applicants by State

(all 2016 Lotteries)

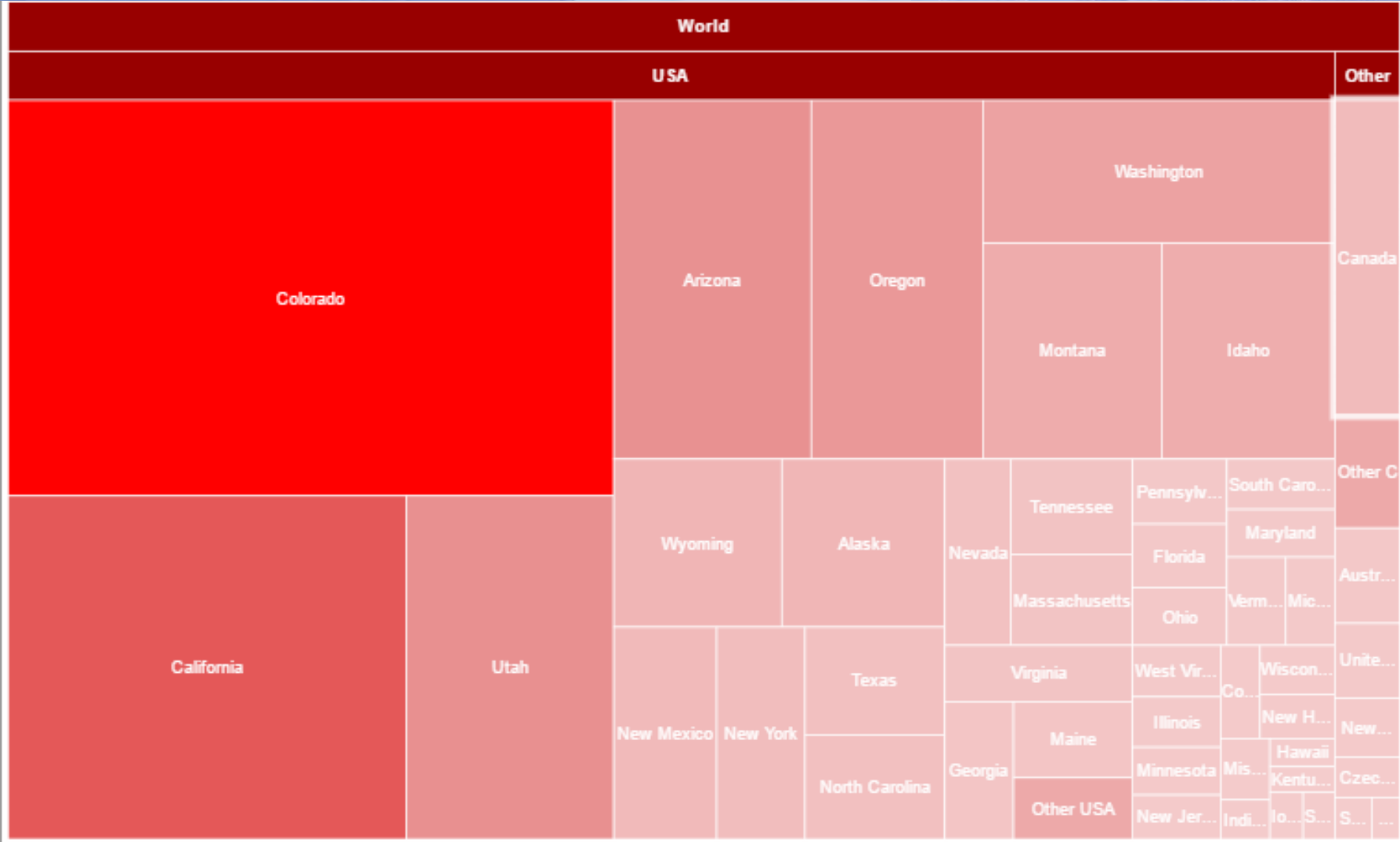
Applications	State
1,795	Colorado
1,023	California
542	Utah
521	Arizona
485	Oregon
377	Washington
292	Montana
279	Idaho
218	Wyoming
200	Alaska
171	New Mexico
131	New York
119	North Carolina
112	Texas
90	Nevada
86	Tennessee
82	Massachusetts
72	Georgia
70	Virginia
67	Maine
45	Pennsylvania
45	Florida
43	Vermont
40	Ohio
40	South Carolina
39	Maryland



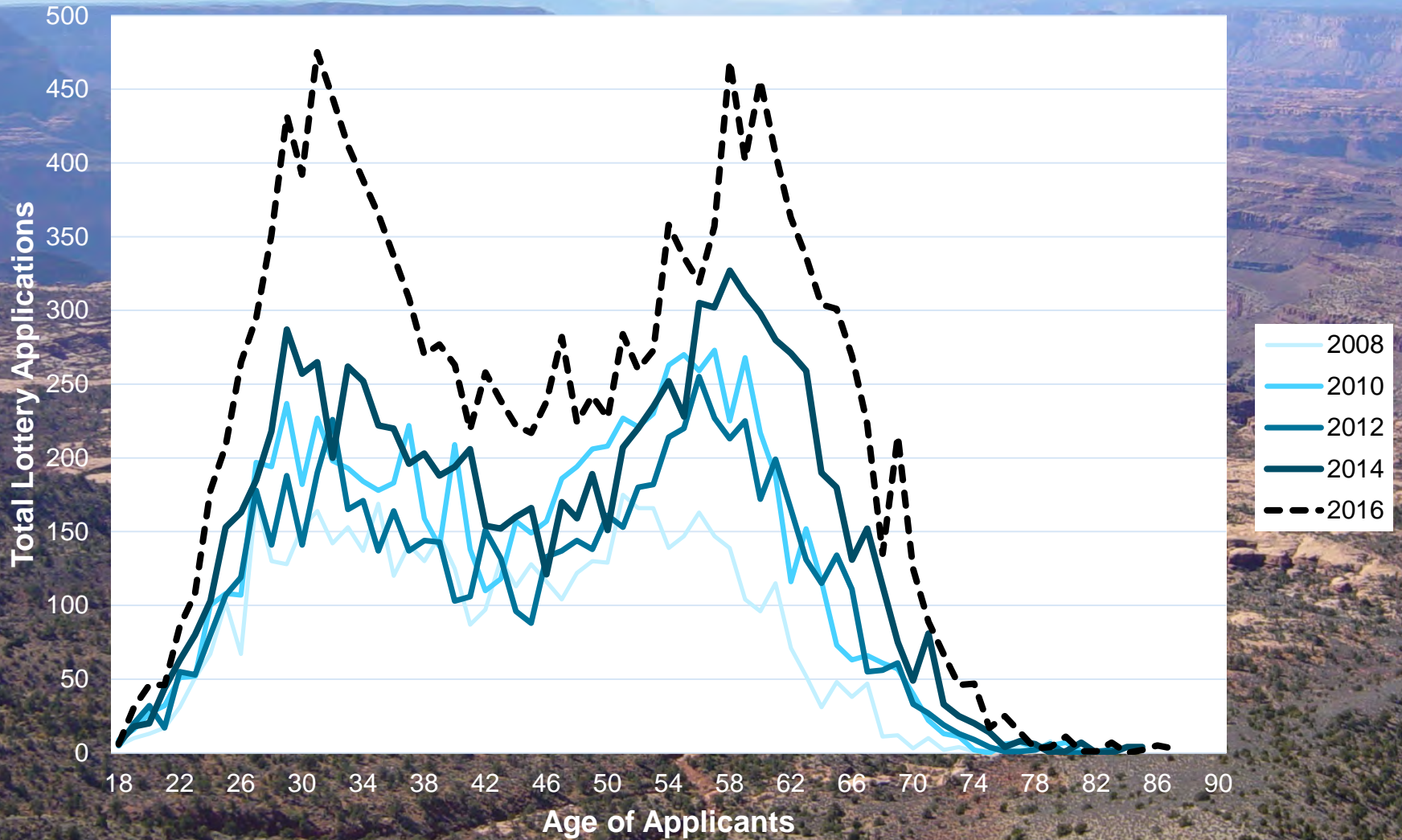
Applications	State
35	West Virginia
33	Illinois
33	Michigan
30	Minnesota
29	Wisconsin
28	New Jersey
28	Connecticut
26	New Hampshire
24	Missouri
15	Indiana
13	Hawaii
12	Kentucky
12	Arkansas
11	South Dakota
11	Iowa
7	Rhode Island
7	District of Columbia
6	Louisiana
6	Oklahoma
6	Kansas
5	Alabama
4	Nebraska
2	North Dakota
2	Delaware
2	Mississippi
1	--
1	AP

# Lottery Applicants by Location

(all 2016 Lotteries)



# Applicant Age Distribution by Lottery Year



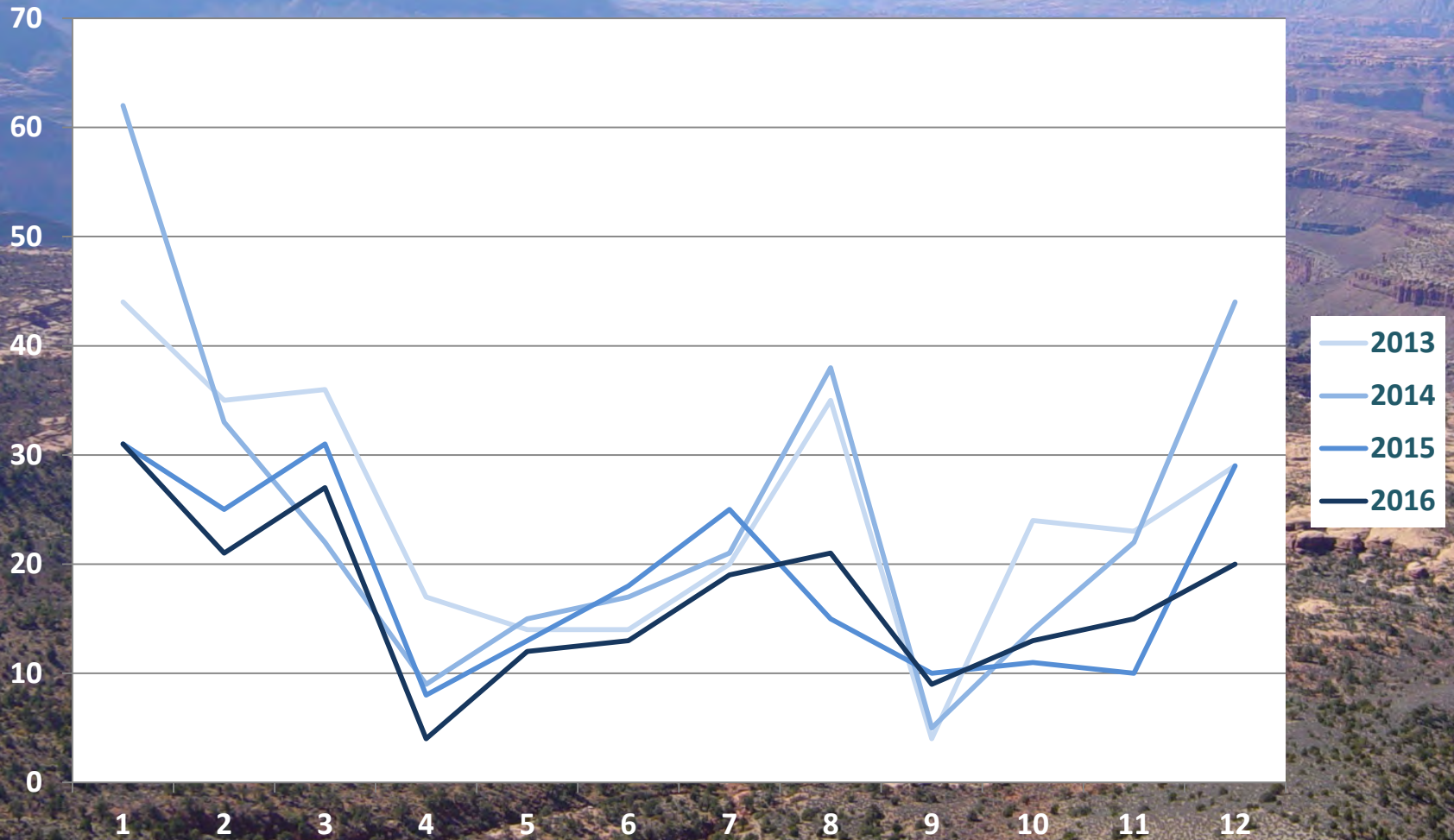
# How Many Applicants Ended Up On Trips?

	<b>Applicants</b>	<b>Went on NC Trip in Same Year</b>	<b>Percent</b>
2015 Main Lottery	4212	1295	31%
2016 Main Lottery	4911	1425	29%



<b>2016 Participants who Applied in Main Lottery</b>	<b>How They Ended Up Going</b>
399	Trip Leaders
1026	Participants

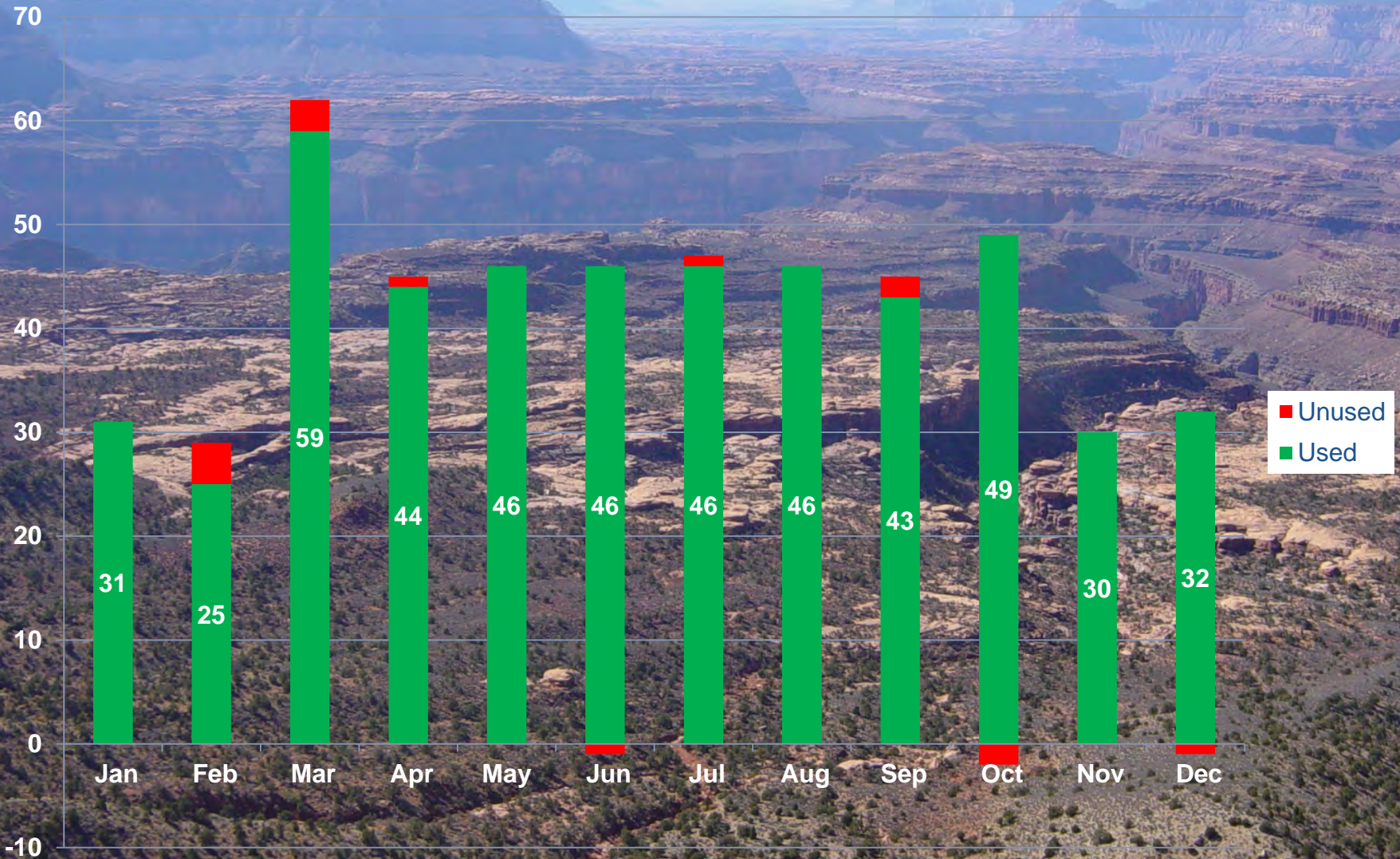
# Noncommercial Cancellations by Launch Month





# Noncommercial Launches in 2016

497 Used



# Topics



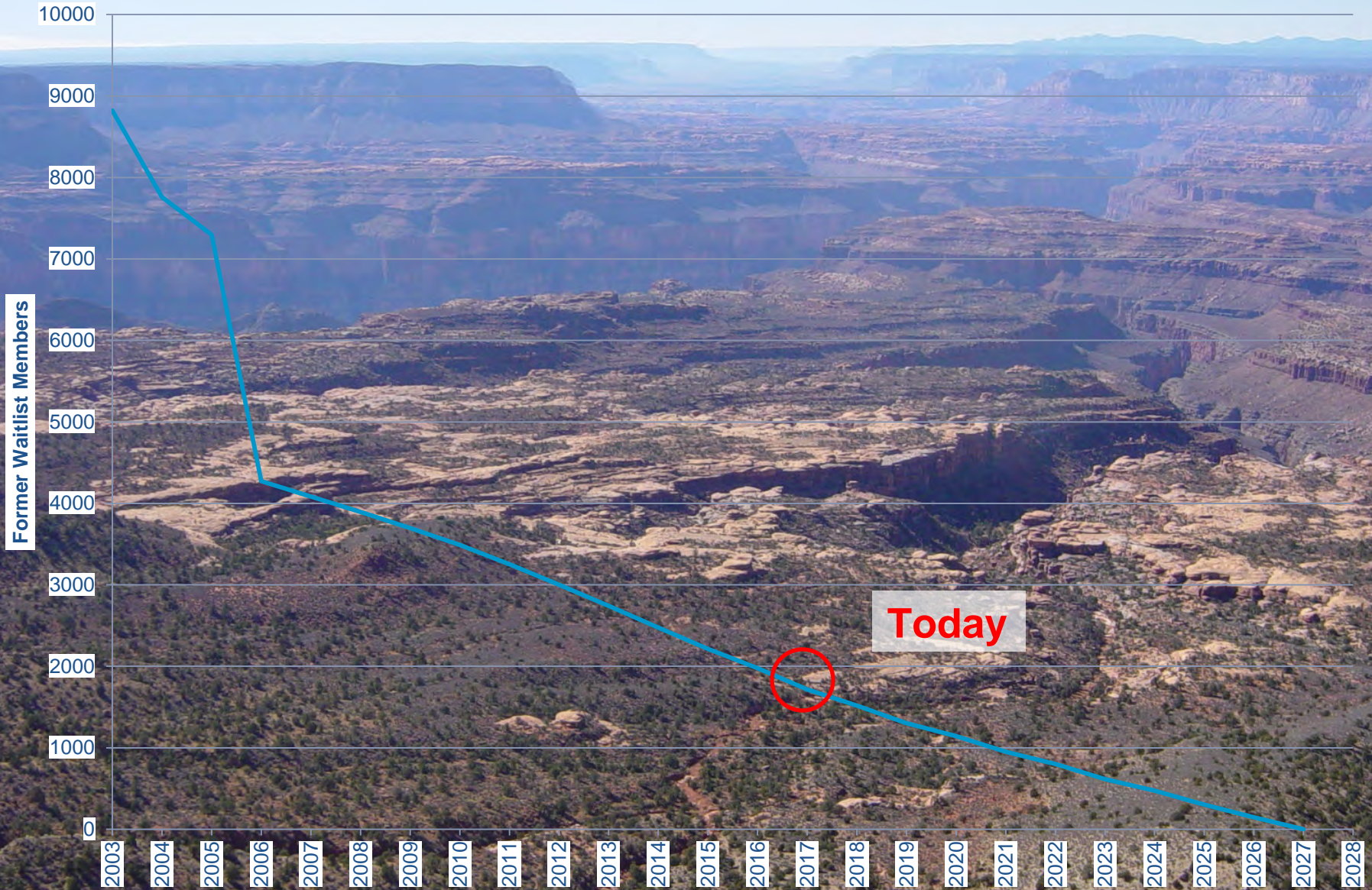
Waitlist Update

# Special Assistance for Eligible Former Waitlist Members

If person's 2005 waitlist number was between	Year In Which They Will Be Given Assistance	Can Pre-Schedule Trips From:	Total Who Still Qualify for this Help
05#00001 - 05#00705	2007	2008-2012	0 - Completed
05#00706 - 05#00915	2008	2009-2013	0 - Completed
05#00916 - 05#01129	2009	2010-2014	0 - Completed
05#01130 - 05#01358	2010	2011-2015	0 - Completed
05#01359 - 05#01598	2011	2012-2016	0 - Completed
05#01599 - 05#01842	2012	2013-2017	0 - Completed
05#01843 - 05#02096	2013	2014-2018	0 - Completed
05#02097 - 05#02365	2014	2015-2019	0 - Completed
05#02366 - 05#02648	2015	2016-2020	0 - Completed
05#02649 - 05#02945	2016	2017-2021	0 - Completed
05#02946 - 05#03253	2017	2018-2022	0 - Completed
05#03254 - 05#03576	2018	2019-2023	147
05#03577 - 05#03909	2019	2020-2024	159
05#03910 - 05#04255	2020	2021-2025	149
05#04256 - 05#04618	2021	2022-2026	171
05#04619 - 05#04990	2022	2023-2027	162
05#04991 - 05#05377	2023	2024-2028	192
05#05378 - 05#05781	2024	2025-2029	171
05#05782 - 05#06206	2025	2026-2030	205
05#06207 - 05#06648	2026	2027-2031	222
05#06649 - 05#07104	2027	2028-2032	207
05#07105 - 05#07296	2028	2029-2033	94

1879

# Prediction for Former Waitlist Members Remaining Eligible for Special Assistance



# Topics



Backcountry Use Statistics

# Backcountry Permittees in 2016

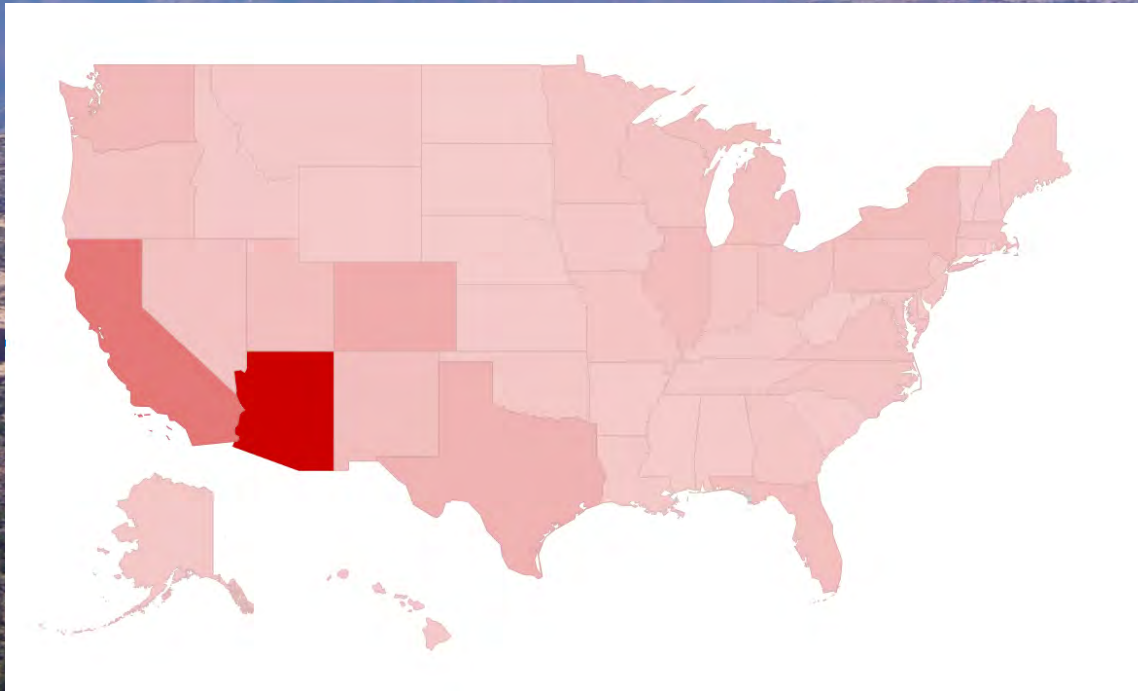
Country	Permits	People
USA	12229	38553
CANADA	471	1160
GERMANY	301	704
FRANCE	128	304
UNITED KINGDOM	111	315
SWITZERLAND	62	130
AUSTRALIA	56	120
BELGIUM	54	123
NETHERLANDS	50	102
SPAIN	37	87
CZECH REPUBLIC	36	73
ITALY	34	78
ISRAEL	25	51
DENMARK	24	68
POLAND	21	57
NEW ZEALAND	21	42
AUSTRIA	18	45
MEXICO	14	35
SWEDEN	11	26
FINLAND	8	20
JAPAN	8	15
RUSSIA	8	15
BRAZIL	7	16
CHINA	7	9
NORWAY	5	12
SLOVAKIA	5	13
PORTUGAL	5	9



Country	Permits	People
HUNGARY	4	10
SOUTH KOREA	4	15
ARGENTINA	4	6
IRELAND	3	8
GREECE	3	9
TAIWAN	3	3
URUGUAY	2	6
SINGAPORE	2	4
LITHUANIA	2	4
CHILE	2	3
COSTA RICA	2	9
LATVIA	2	4
SOUTH AFRICA	2	2
ROMANIA	1	1
COOK	1	4
BOLIVIA	1	7
UKRAINE	1	1
VIET NAM	1	1
BELARUS	1	2
GUADALUPE	1	2
KOREA	1	2
PANAMA	1	2
THAILAND	1	2
ESTONIA	1	2
ICELAND	1	4
LUXEMBOURG	1	4
SERBIA	1	1
TAHITI	1	2
GUATEMALA	1	4
PERU	1	4
TURKEY	1	6

# USA Backcountry Permittees in 2016

State	permits	people
AZ	3797	13323
CA	1631	5267
CO	611	1822
TX	551	1742
UT	339	1235
WA	327	998
IL	295	835
NY	285	709
NM	253	859
OH	237	638
FL	225	610
MI	217	655
PA	214	606
OR	212	562
MA	212	554
MN	187	530
NV	184	575
VA	167	453
WI	166	488
NC	163	474
GA	136	377
TN	135	332
MO	134	413
NJ	126	355
MD	124	297
IN	119	367



state	permits	people
OK	97	293
IA	85	260
CT	77	228
ID	75	231
AK	70	164
KS	70	251
LA	68	187
MT	67	192
AL	55	169
KY	54	162
SC	53	145
WY	48	143
NH	47	156
AR	47	154
NE	43	126
VT	42	123
DC	38	102
ME	37	79
RI	19	64
HI	17	41
ND	15	47
SD	14	32
MS	14	41
WV	13	43
DE	10	27
PR	3	7
KT	2	5
VI	2	5

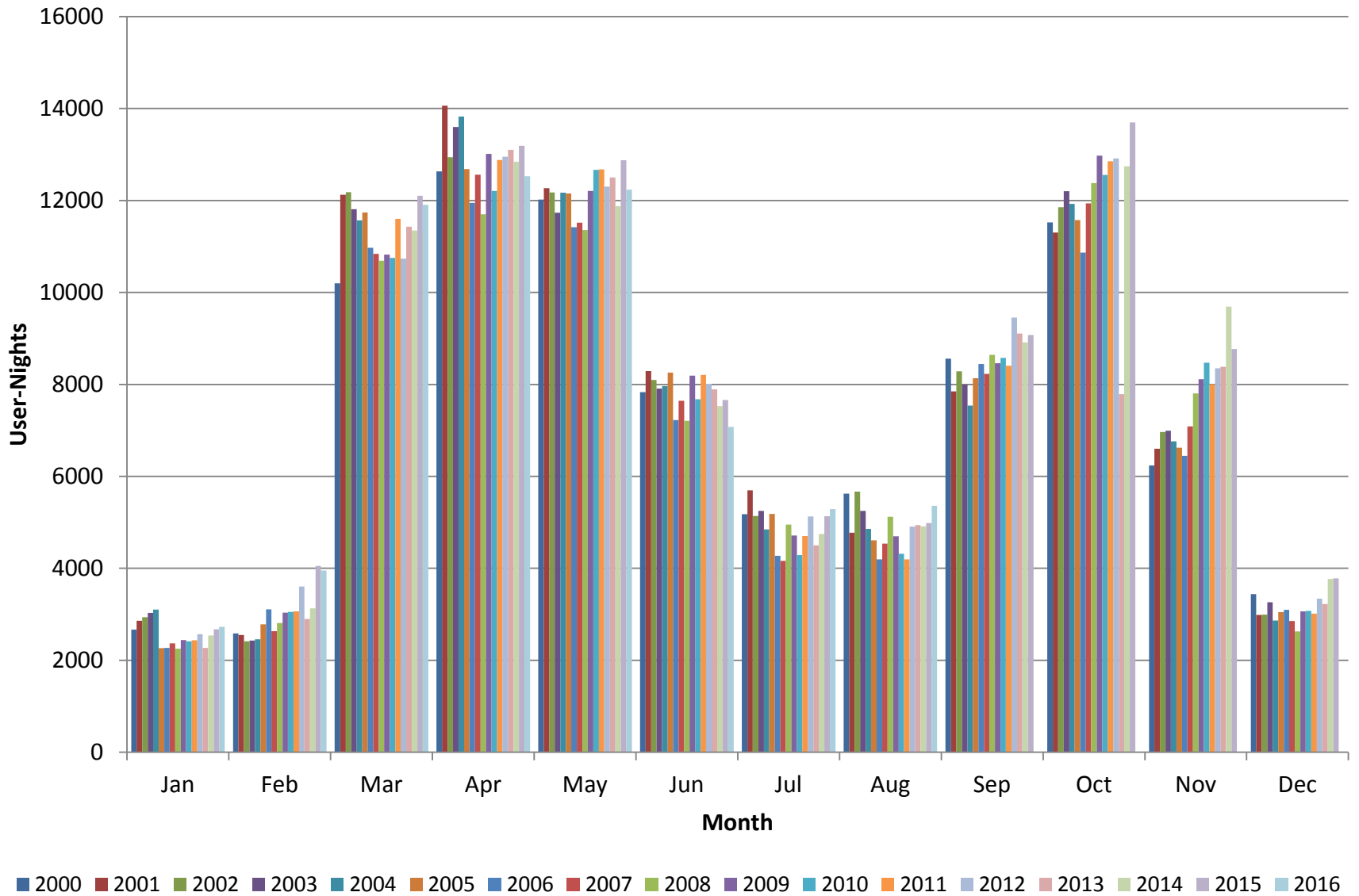
# Backcountry Permittees by Origin

(based on 2016 Backcountry Permits)

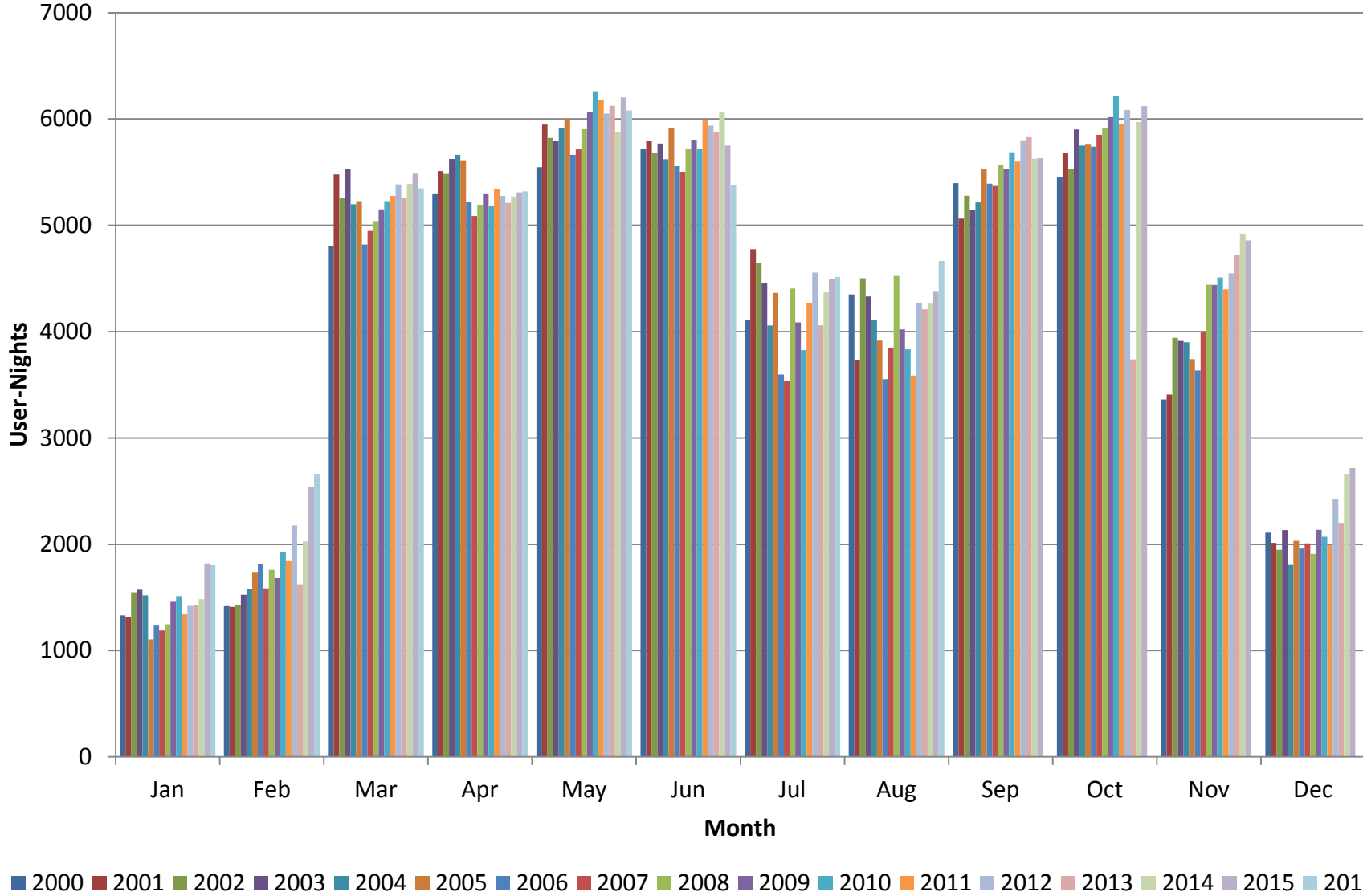




# Backcountry Use Trends, 2000-2016



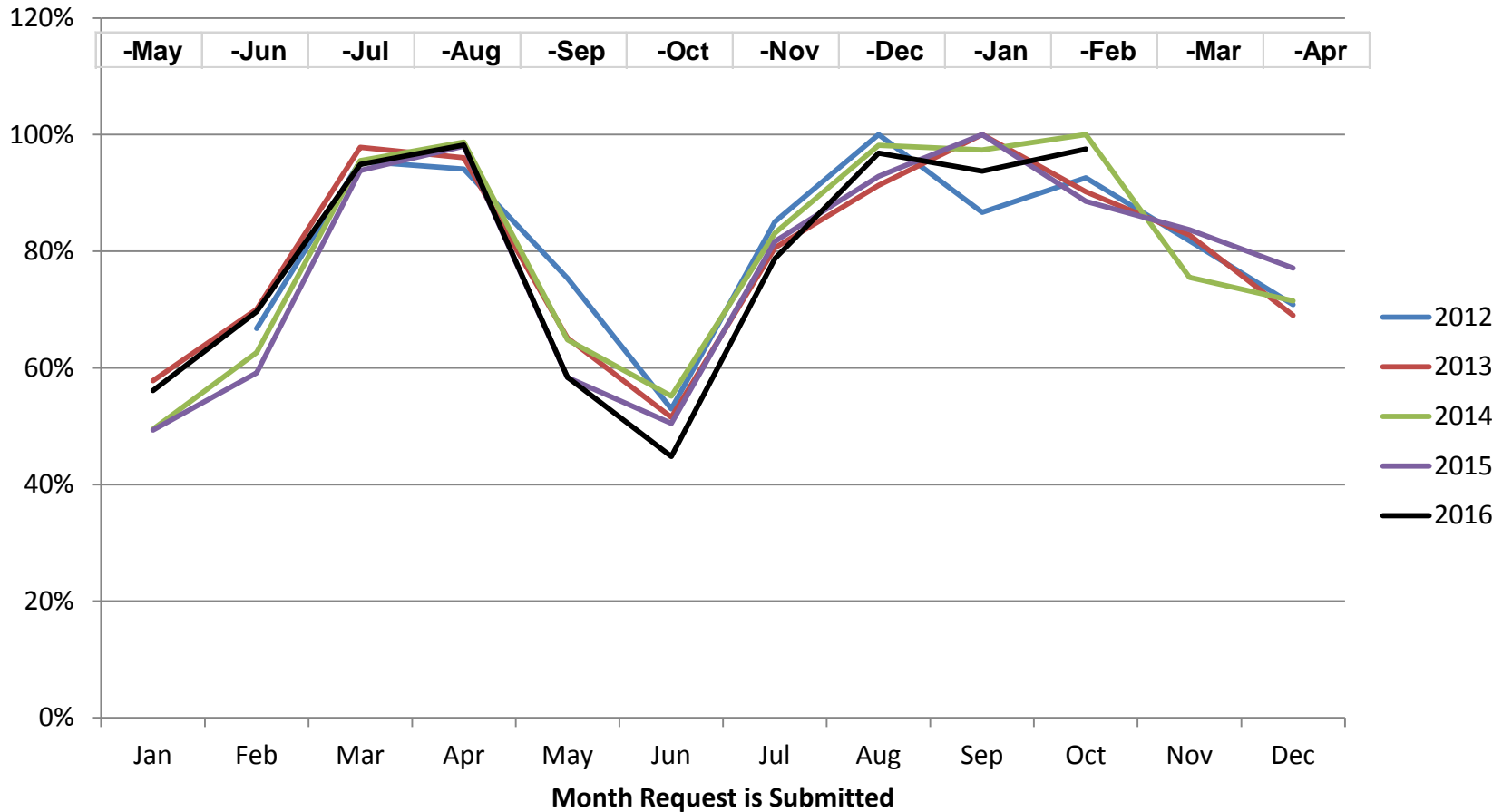
# Corridor Campground Use Trends, 2000-2016



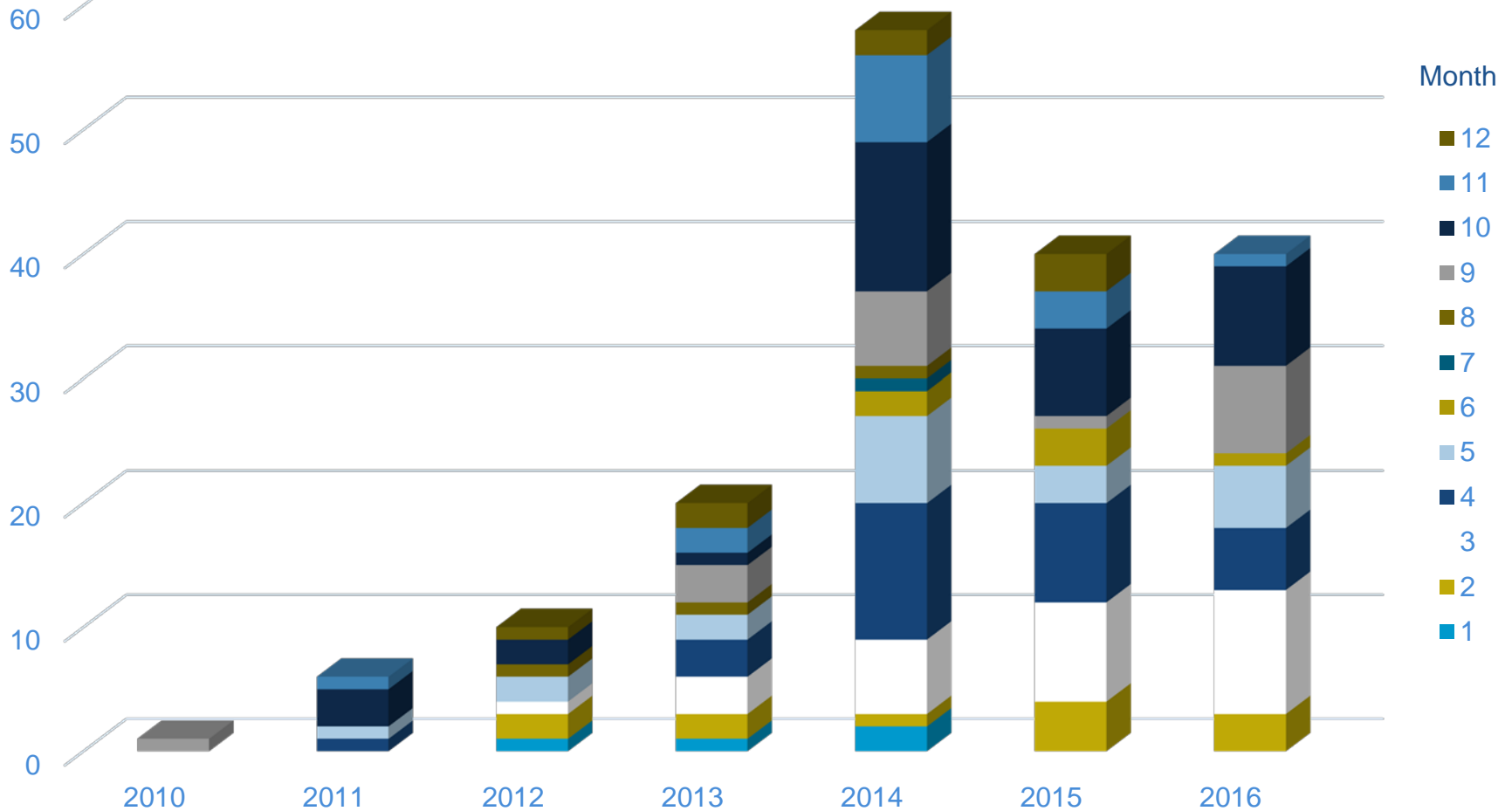




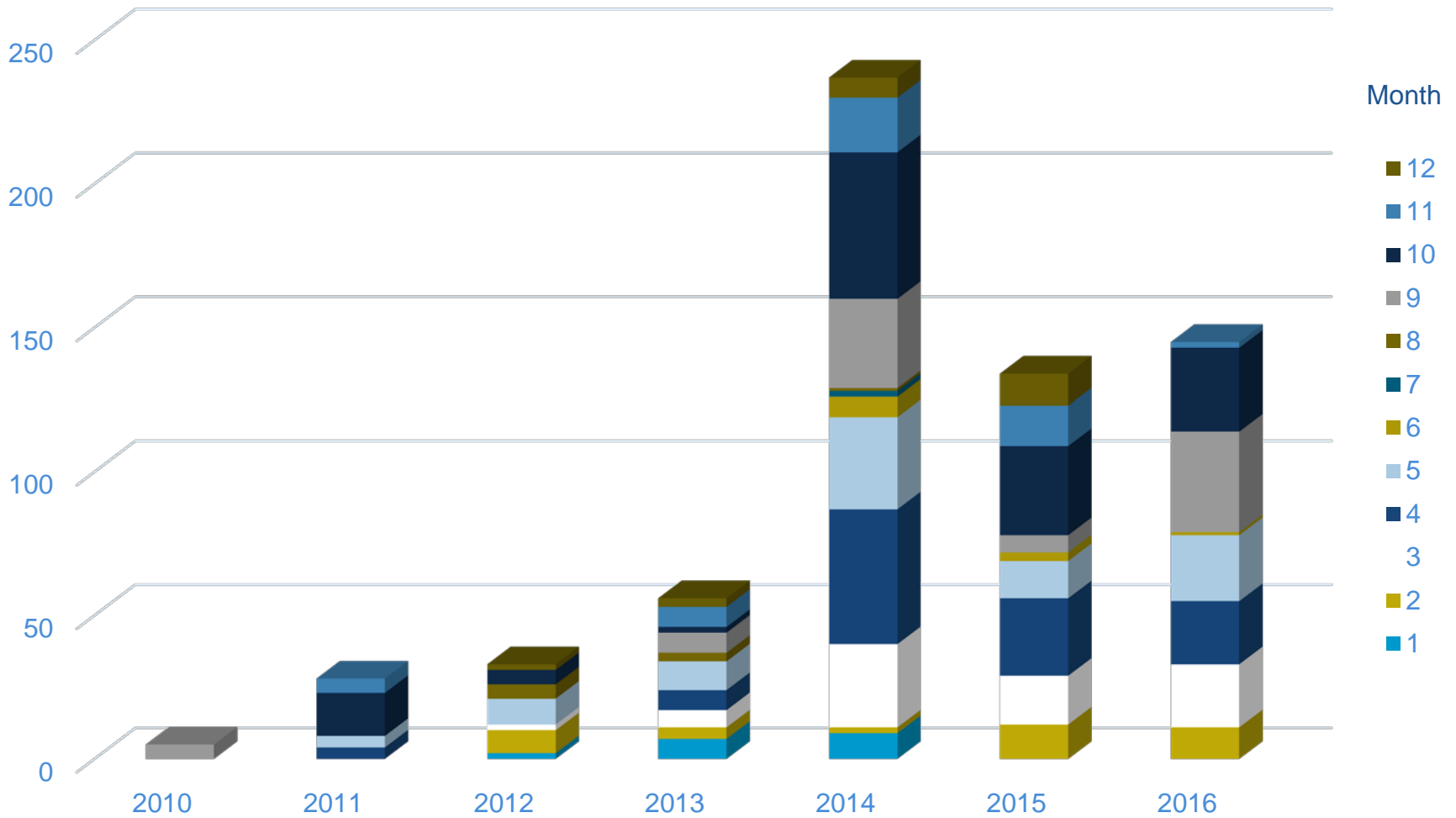
# Success Rates for Backcountry Requests Submitted On Earliest Allowed Date



# Backcountry Permits with Packrafts Permits



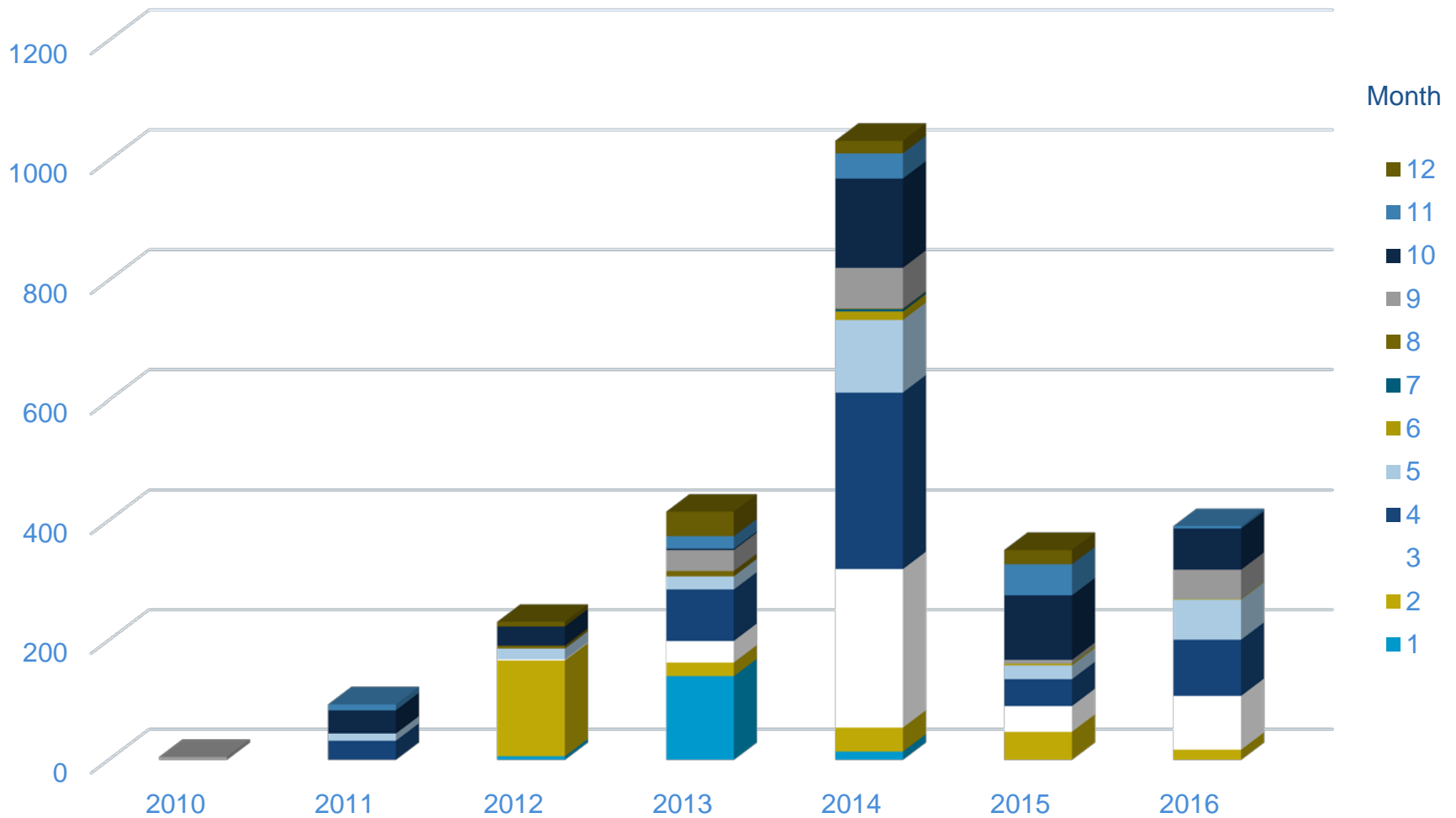
# Backcountry Permits with Packrafts People







# Backcountry Permits with Packrafts User-Nights



# Questions?

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