

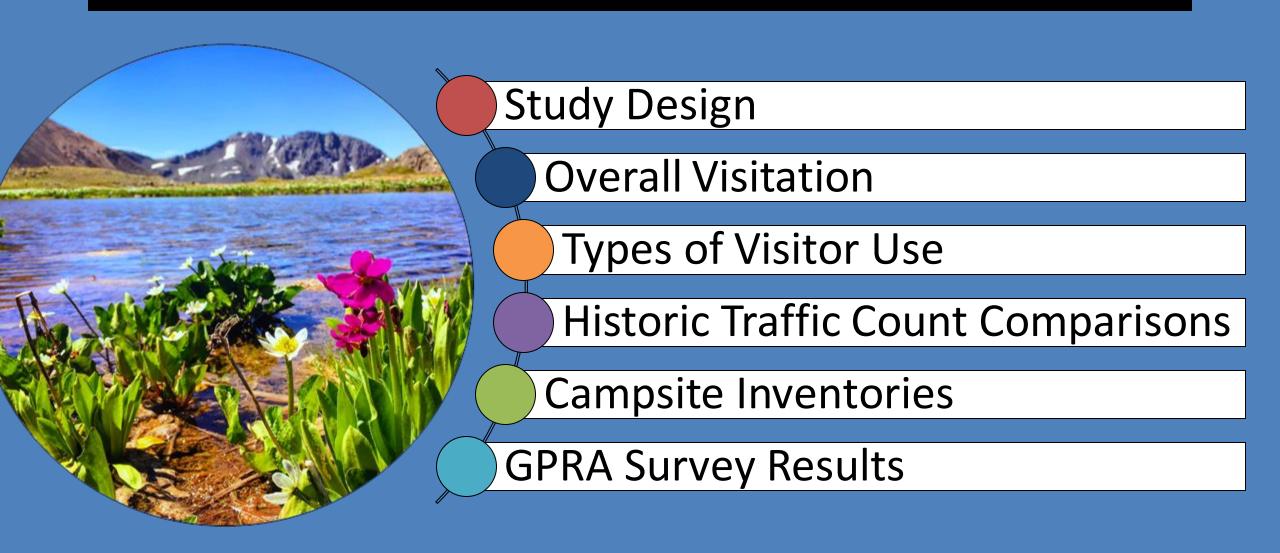
Alpine Loop Visitor Use Study Preliminary Data Analysis





Kendall Cox MEM Candidate November 27, 2018

Outline



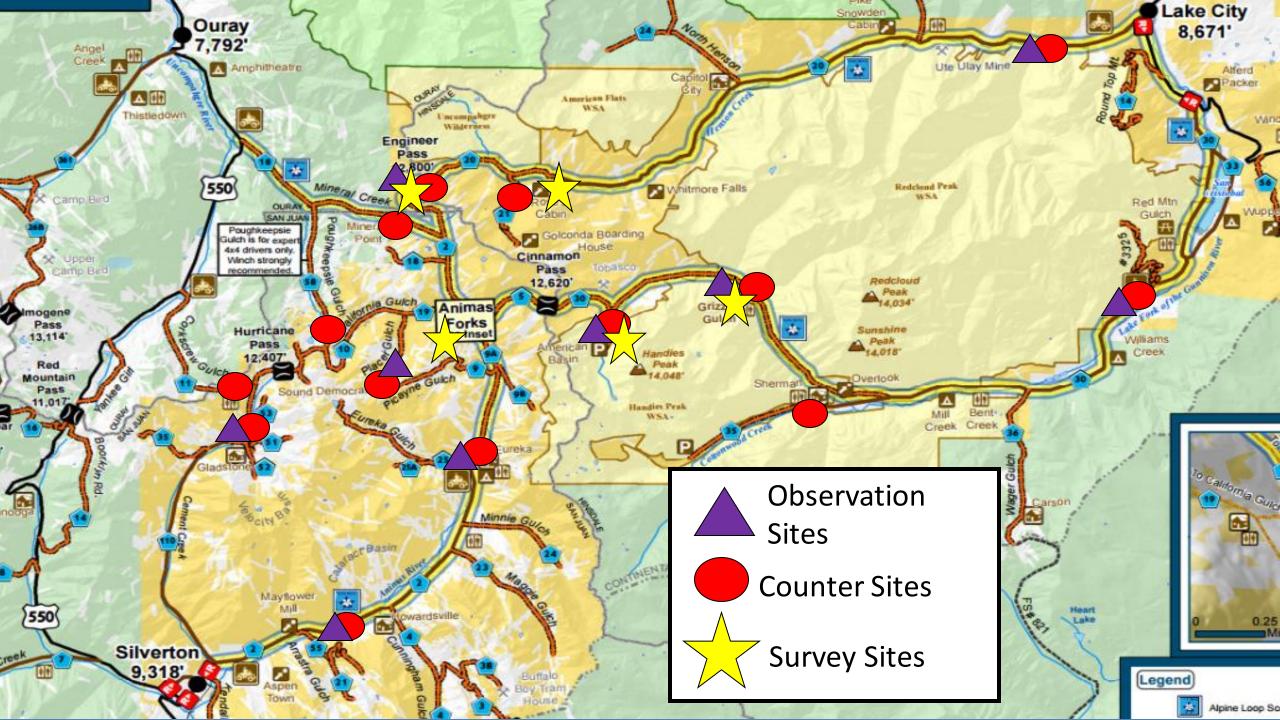
Study Design

- Visitor Use Level Estimation
 - TRAFx Counters
 - Direct Observation
 - Campsite Monitoring
- Visitor Use Survey
 - Government Performance and Results Act (GPRA) Survey









Overall Visitation

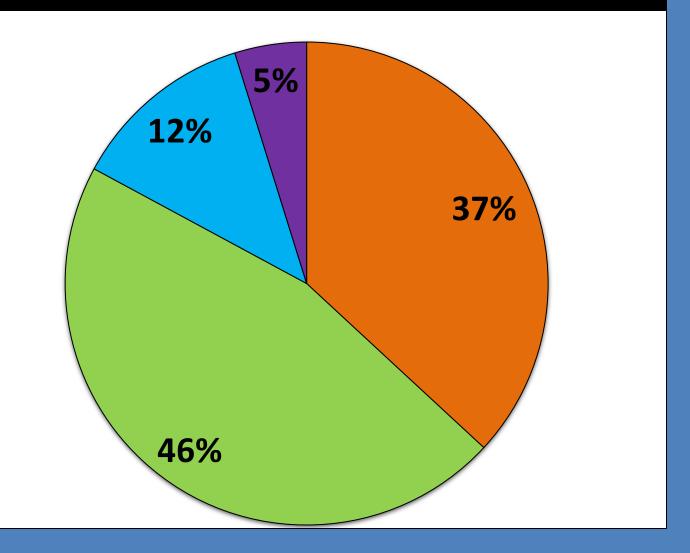
N/anth	Total Vehicle	Total People
Month	Count	Count
May	9,037	18,566
June	24,293	46,485
July	55,687	112,194
August	38,239	76,550
September	31,623	59,601
Season Total	158,879	313,396
Monthly	35,800	62 670
Average	33,600	62,679
Daily Average	1,038	2,048

- Minimum Daily Traffic:
 - 5/30/18 197 Vehicle Count
- Maximum Daily Traffic:
 - 7/21/18 2,194 Vehicle Count

Visitation by Entrance Zone



- Lake City
- HWY 550
- Stony Pass



Traffic Count

8,894

18,805

12,501

10,913

51,113

12,778

419

People

17,544

37,094

24,659

21,526

100,822

25,207

826

Vehicle Count People Count

1,052

18,703

40,520

27,190

23,505

110,970

27,235

893

533

9,482

20,542

13,784

11,916

56,257

13,807

453

2			
Site	Gladstone	Howardsville	Total for Silverton

People

1,052

1,160

3,427

2,531

1,979

10,148

2,030

66

Traffic Count

533

588

1,737

1,283

1,003

5,145

1,029

34

Month

May

June

July

August

September

Season Total

Daily Average

Monthly Average

Traffic Count

3,819

6,090

11,792

8,390

6,663

36,754

7,351

240

People

7,534

12,013

23,260

16,550

13,143

72,499

14,500

474

Vehicle Count

7,372

11,312

22,651

15,934

12,859

70,128

14,026

458

People Count

14,541

22,313

44,680

31,431

25,365

138,330

27,666

904

Site	Henson Creek	Lake Fork	Total for Lake City
	Lake City E	intrance visita	ation

People

7,008

10,301

21,420

14,881

12,222

65,831

13,166

430

Traffic Count

3,553

5,222

10,859

7,544

6,196

33,374

6,675

218

Month

May

June

July

August

September

Season Total

Daily Average

Monthly

Average

Highway 550 Entrance Visitation

37,050

25,405

419

18,783

12,880

213

		ITVVCIY				ISILA		
Site	Cork.	screw	Poughk	keepsie	Minero	al Point	HWY 55	50 Total
Month	Traffic Count	People	Traffic Count	People	Traffic Count	People	Vehicle Count	People Count
May	-	-	-	-	450	887	450	887
June	1.486	2.932	-	-	1.203	2.373	2,689	5.304

7,313

2,438

80

9,875

2,469

81

Season

Monthly

Average

Average

Total

Daily

19,479

4,870

160

IVIOITEII	Count	reopie	Count	Гсоріс	Count	reopie	Count	Count
May	1	-	-	-	450	887	450	887
June	1,486	2,932	-	-	1,203	2,373	2,689	5,304
	0.500							40.500

	Count		Count		Count		Count	Count
May	-	-	-	-	450	887	450	887
June	1,486	2,932	-	-	1,203	2,373	2,689	5,304
July	3,500	6,904	3,627	7,154	2,773	5,470	9,900	19,528
Διισιιςτ	2 646	5 219	2 171	4 282	1 911	3 769	6.728	13.271

May	-	-	-	-	450	887	450	887
June	1,486	2,932	-	-	1,203	2,373	2,689	5,304
July	3,500	6,904	3,627	7,154	2,773	5,470	9,900	19,528
August	2,646	5,219	2,171	4,282	1,911	3,769	6,728	13,271
September	2,243	4,424	1,515	2,988	1,637	3,229	5,395	10,642

14,425

4,808

157

1,595

7,973

52

3,145

15,727

103

Stony Pa	ss Entiraince	Istation
Month	Traffic Count	People
May	682	1,345
June	810	1,599
July	2,594	5,119
Διισιιςτ	1 793	3 537

Julie	010	1,599
July	2,594	5,119
August	1,793	3,537

July	2,394	5,119
August	1,793	3,537
September	1.453	2.866

7,333

1,467

48

Season Total

Daily Average

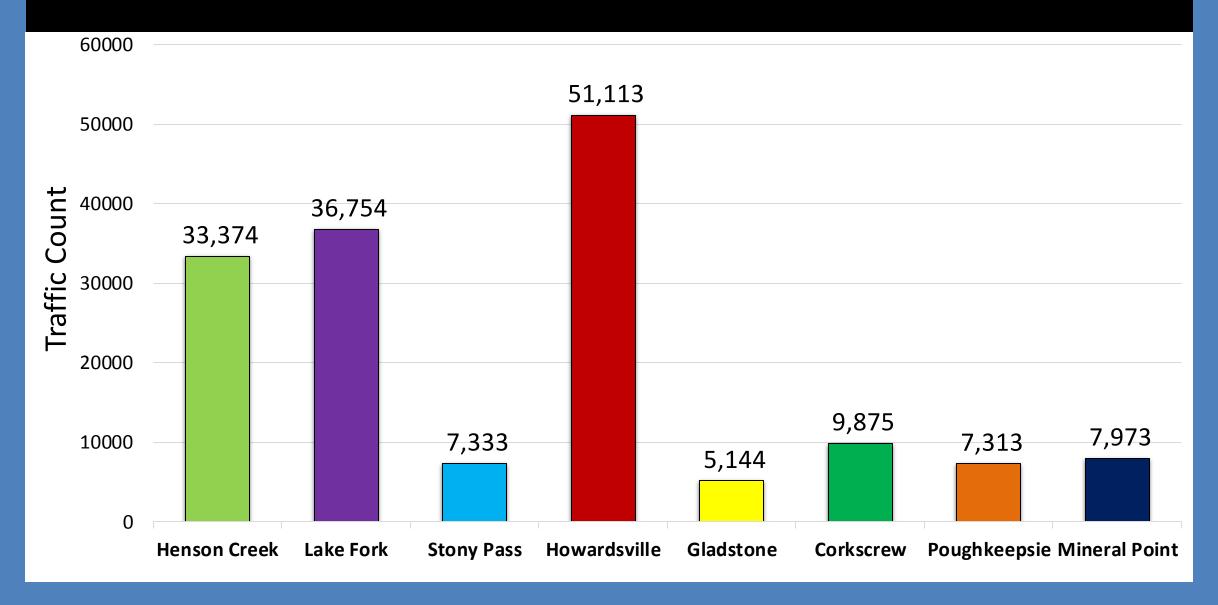
Monthly Average

14,464

2,893

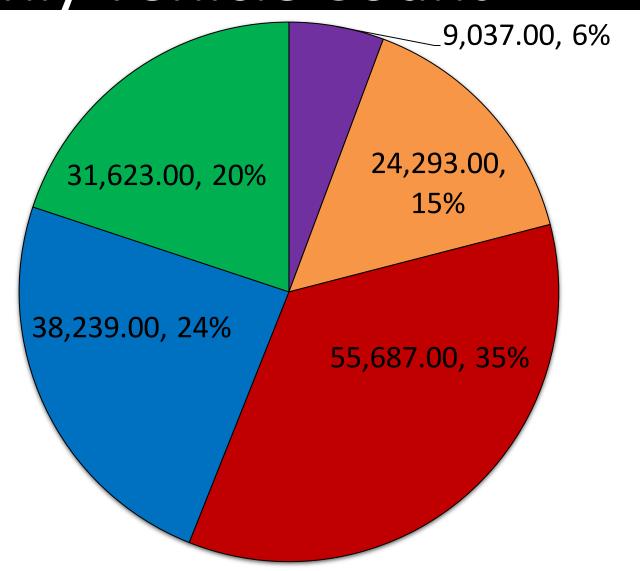
95

Total Season Traffic



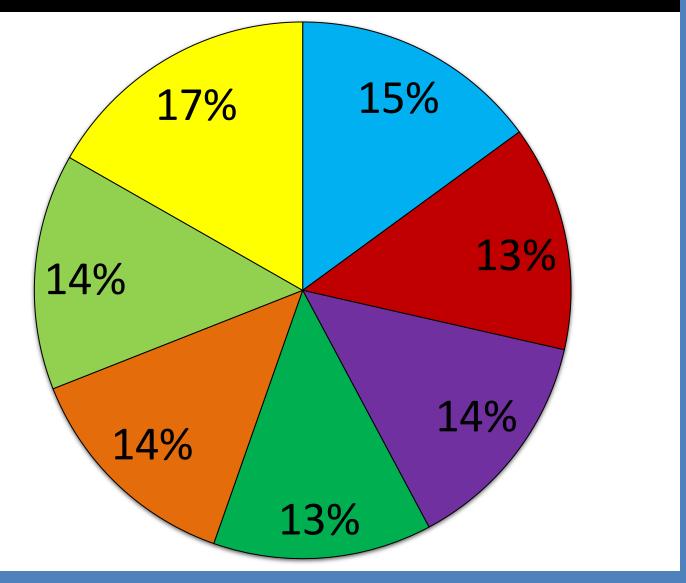
Total Monthly Vehicle Count

- May
- June
- July
- August
- September

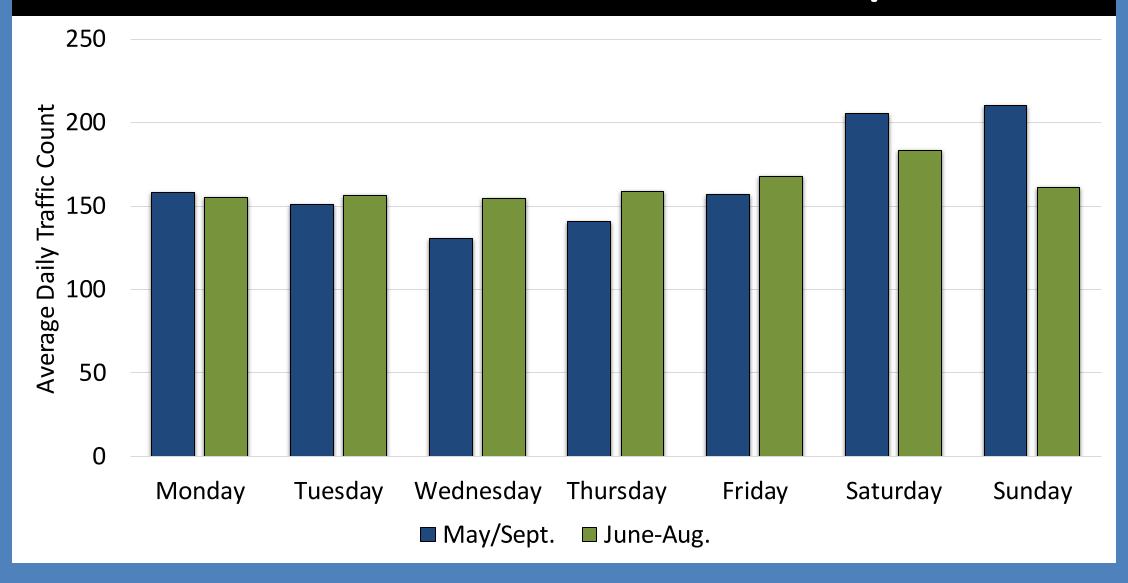


Average Traffic by Day of Week

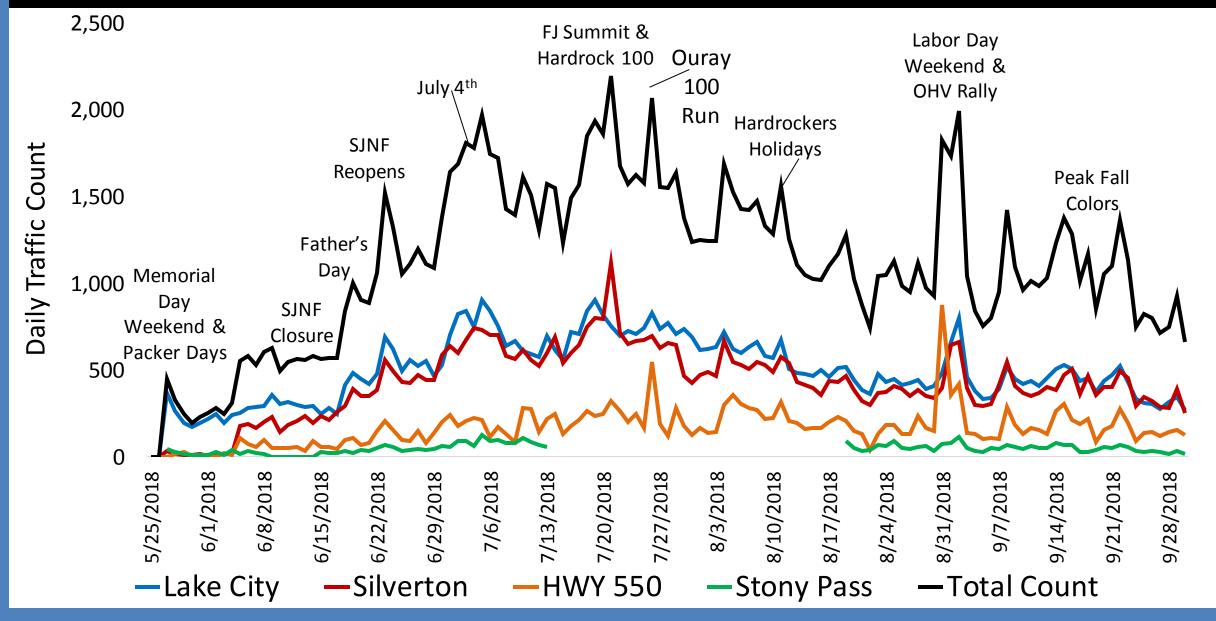
- Sunday
- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
- Saturday



Shoulder & Main Season Comparison



Daily Totals





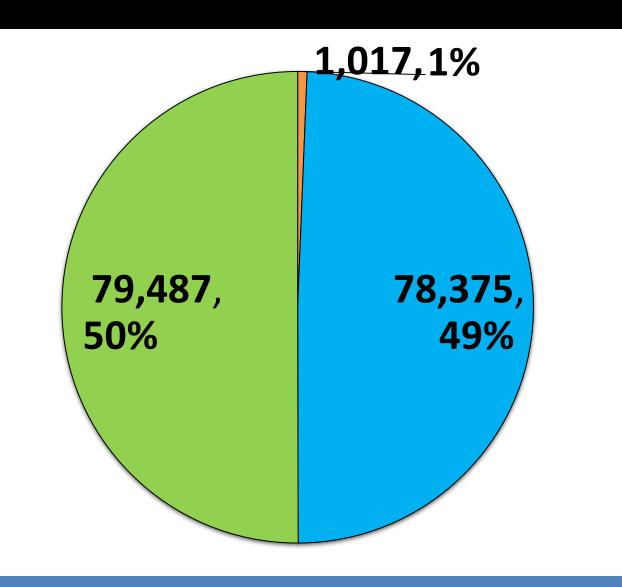
Types of Visitor Use

Visitor Mode of Travel

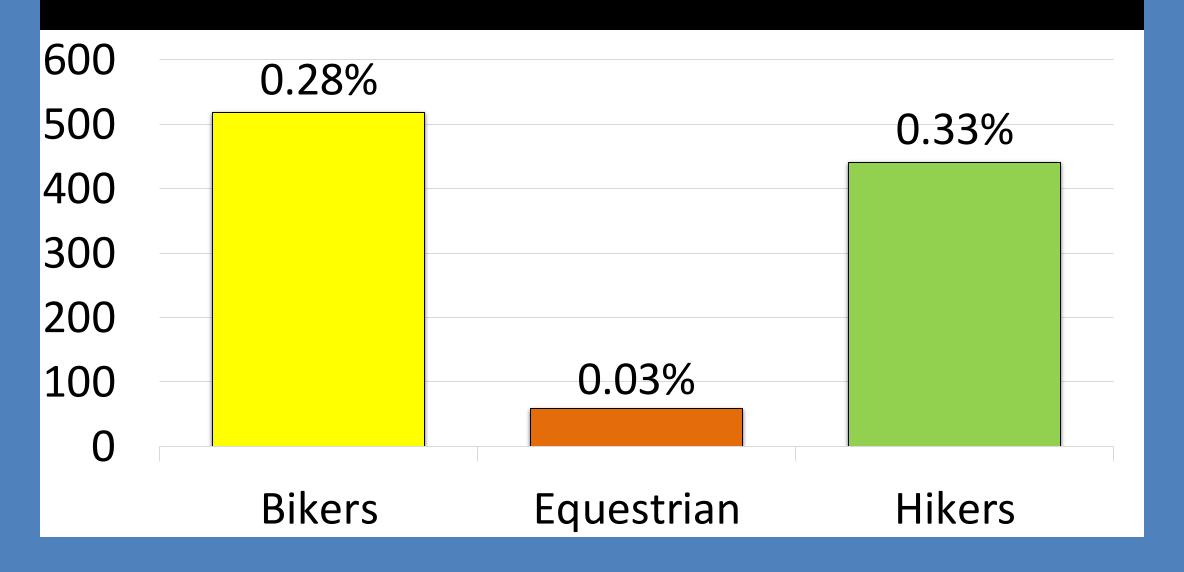


OHV

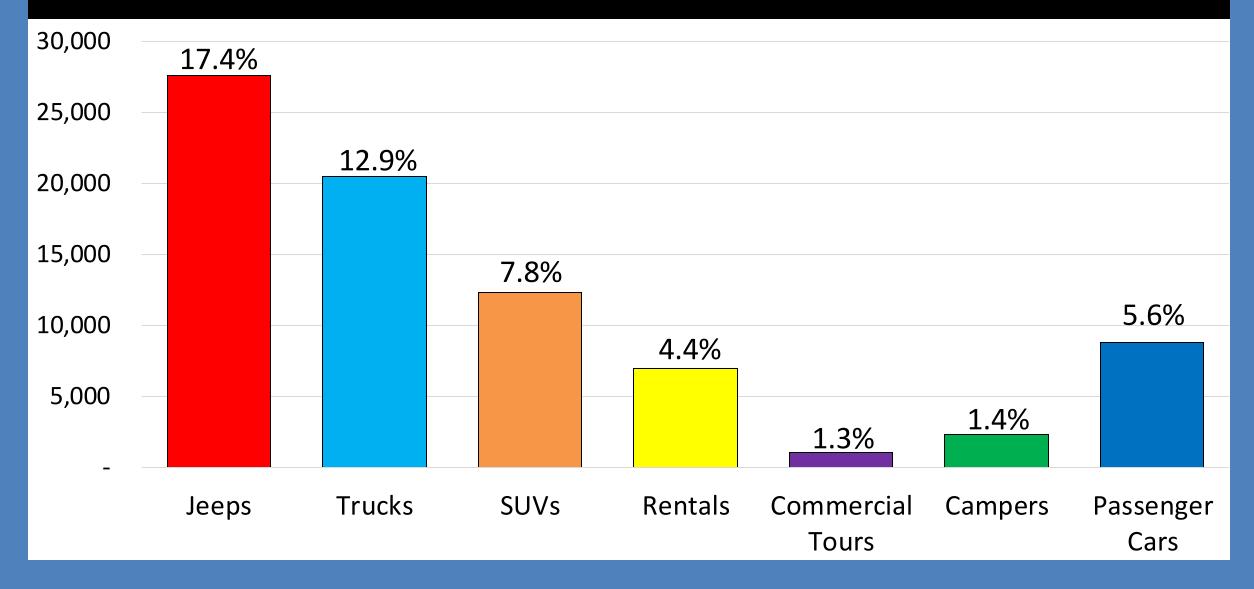
Highway Vehicle



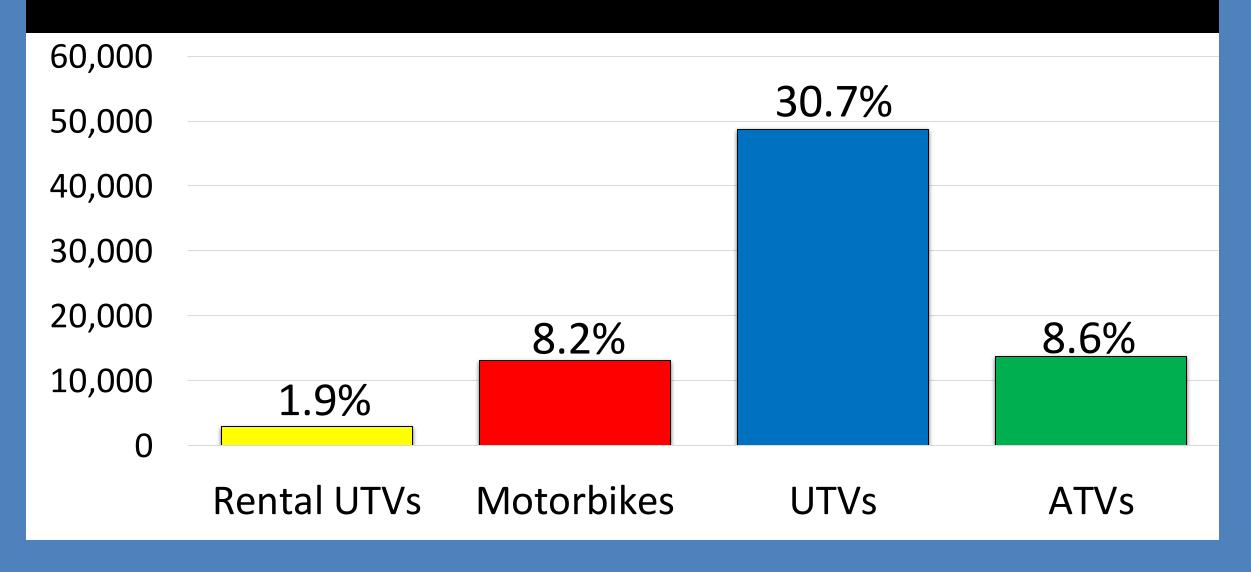
Non-Motorized (0.64% of the Total)



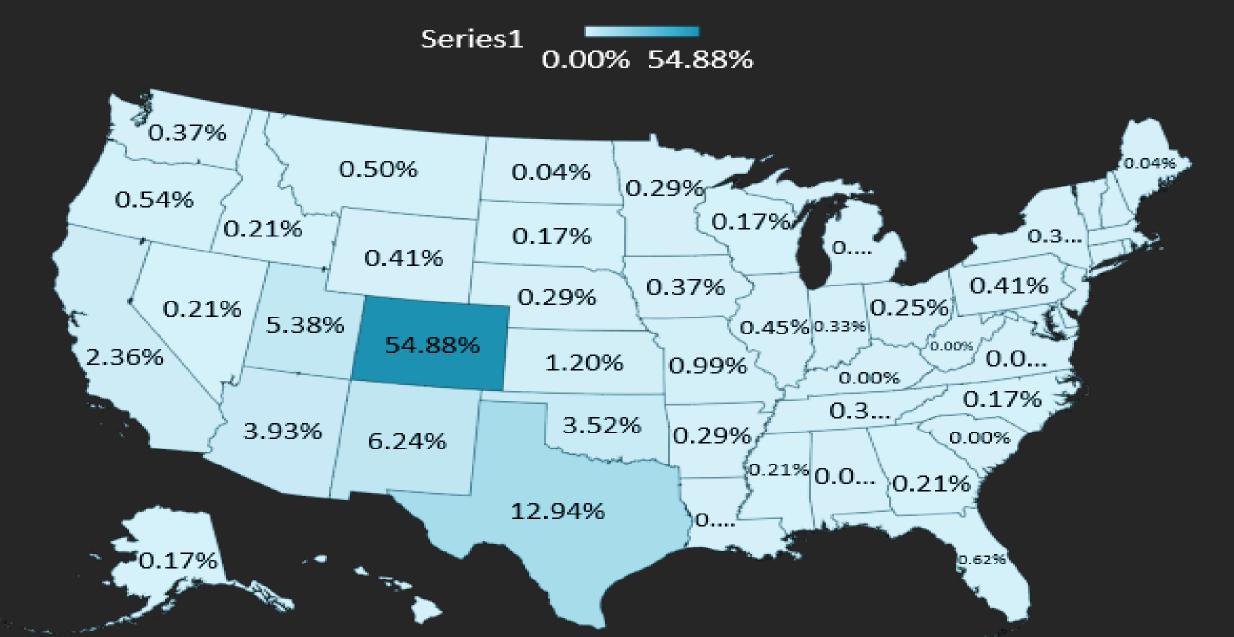
Highway Vehicles (50.03% of the Total)



Off-Highway Vehicles (49.33% of the Total)



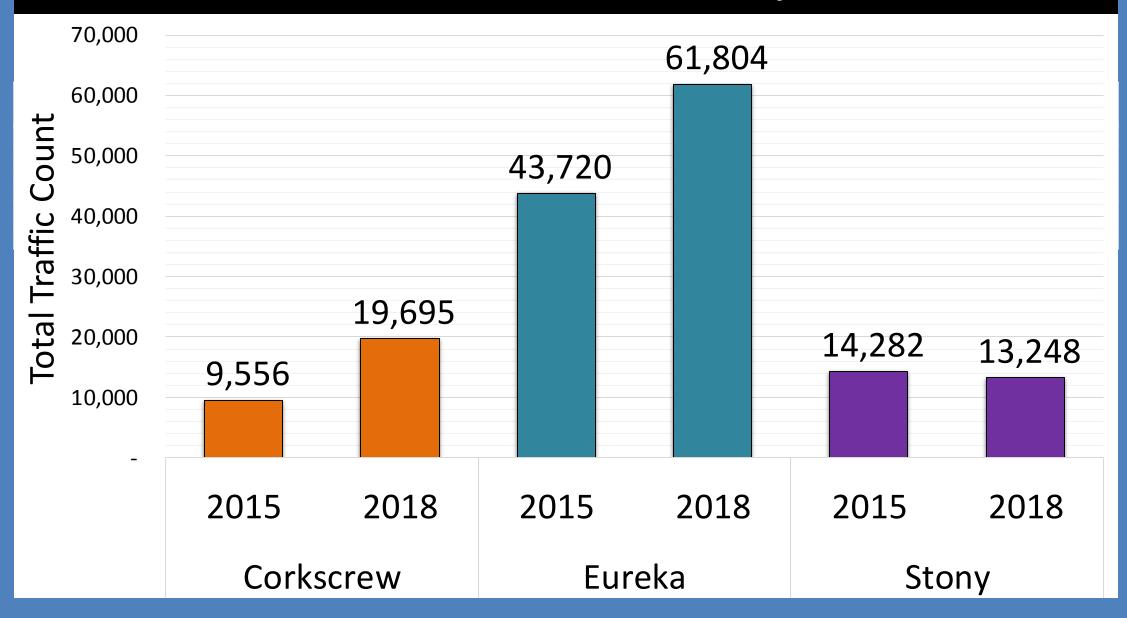
License Plate Observations



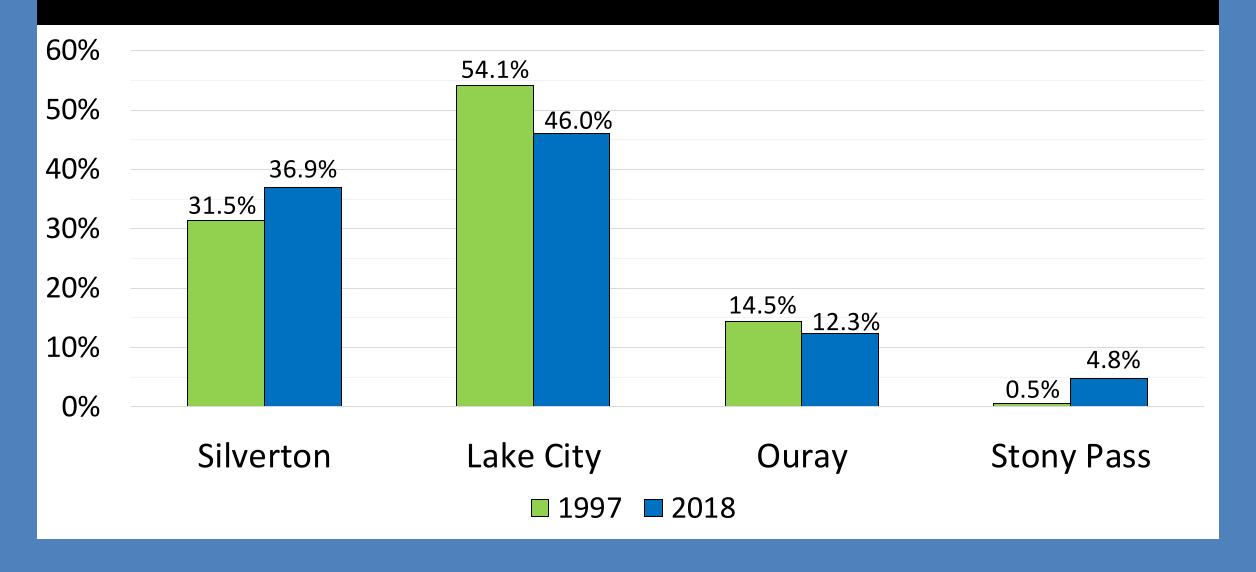


Historic Traffic Comparisons

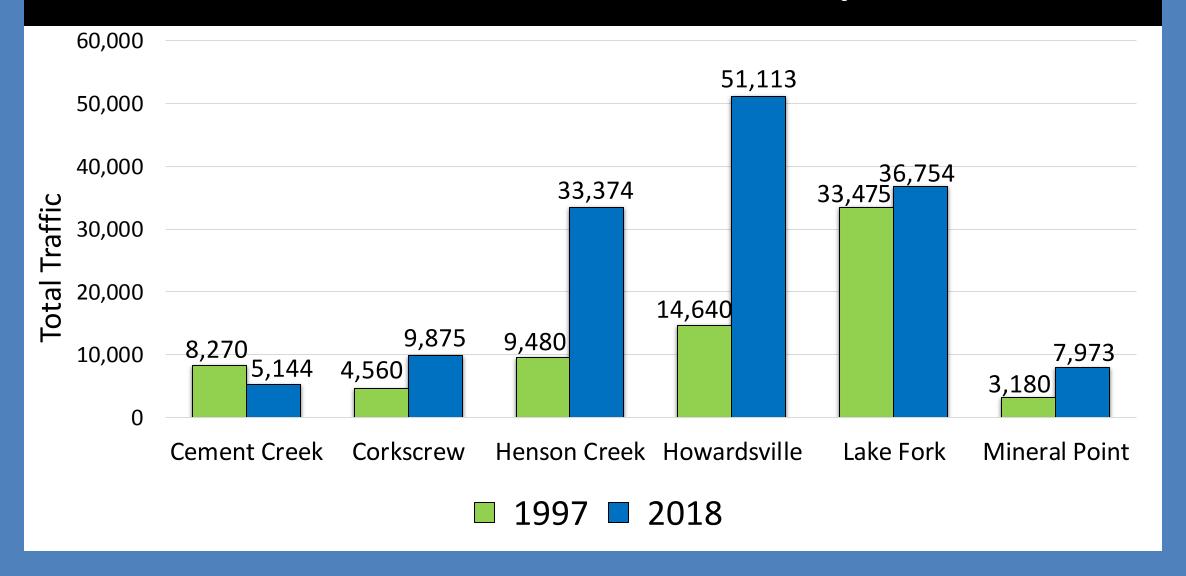
2015 Traffic Count Comparison



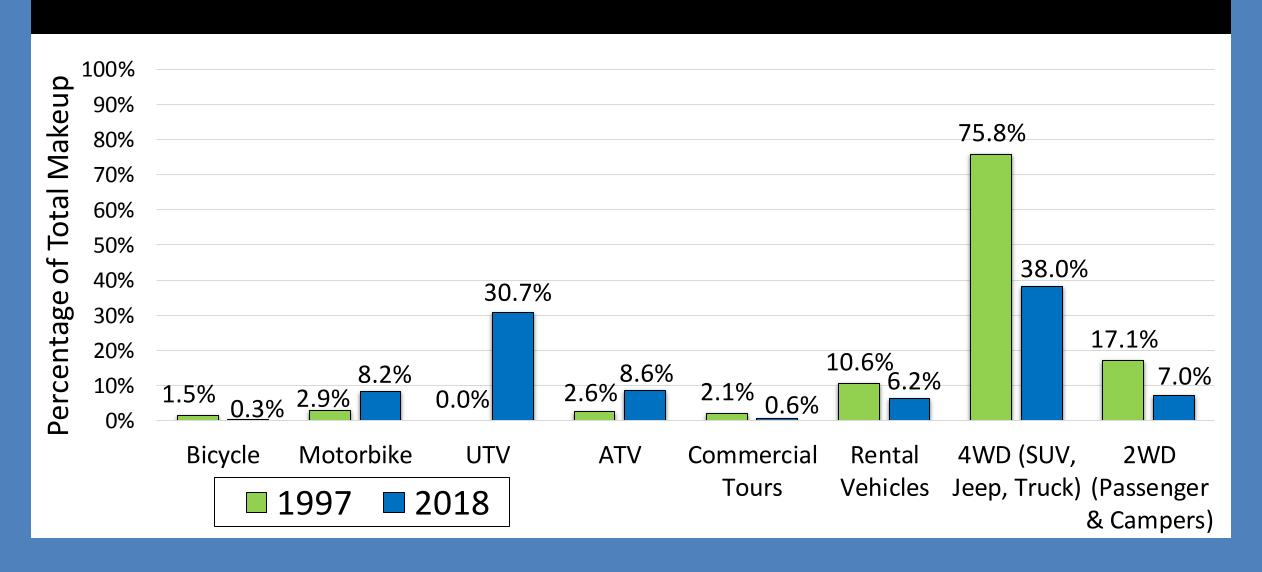
1997 Visitation by Entrance Zone Comparison



1997 Vehicle Count Comparison



1997 Types of Visitor Use Comparison



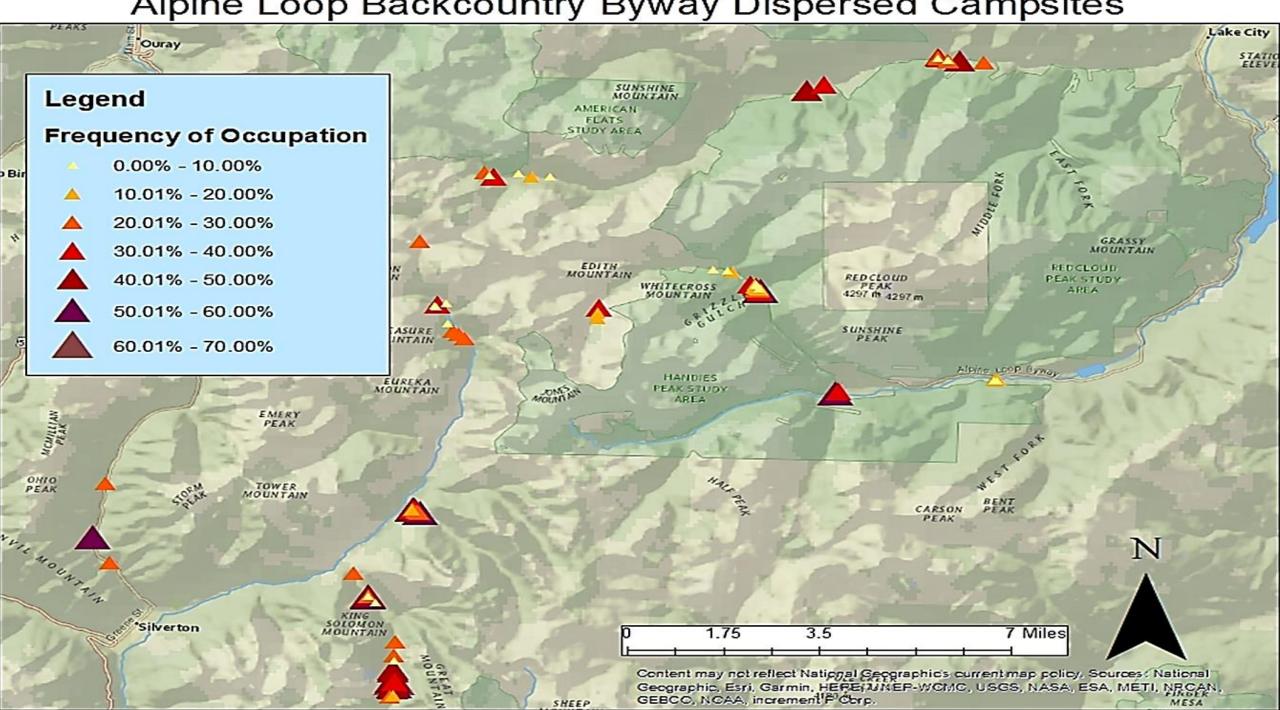


Campsite Inventories

Month	Monthly	Daily	
IVIOTILIT	Count	Average	
June	440	15	
July	961	31	
August	709	23	
September	369	12	
Total	620	20	

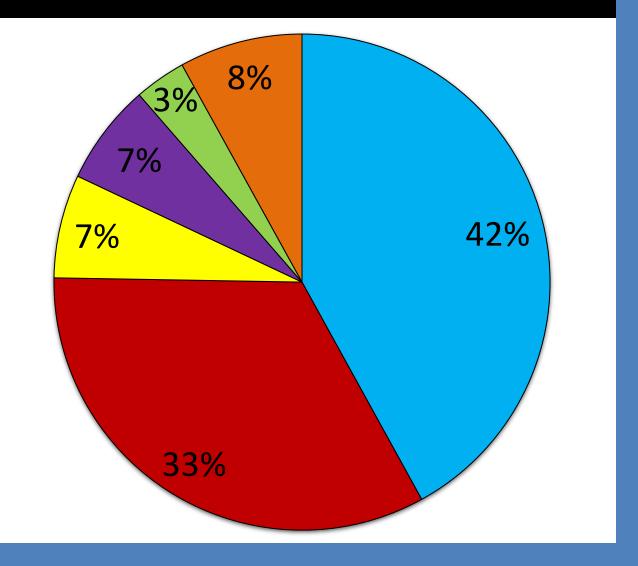
2,478

Alpine Loop Backcountry Byway Dispersed Campsites

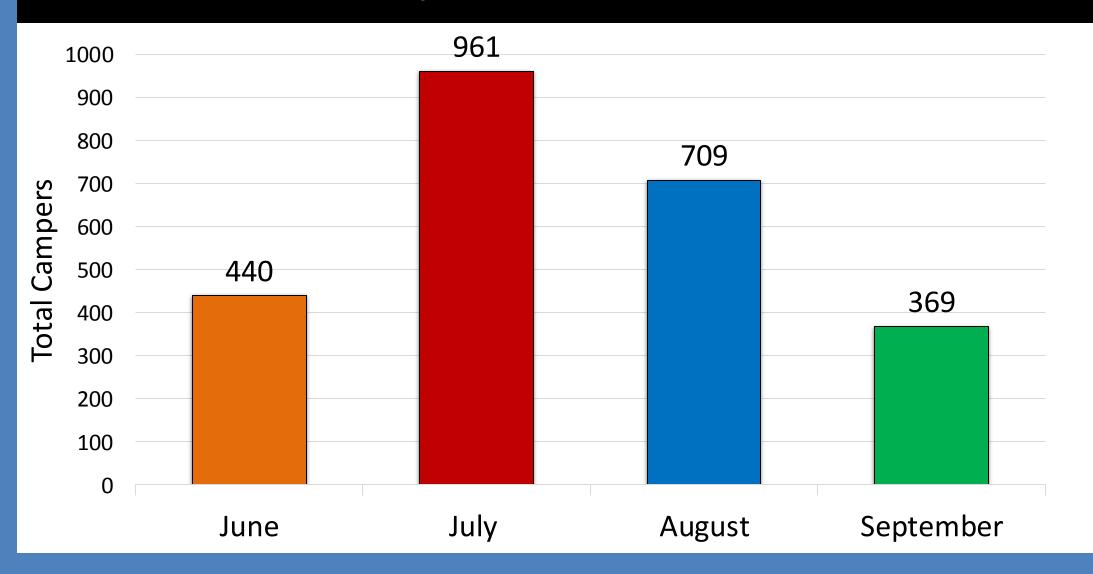


Camper Types

- Tents
- Camper Trailer
- RV
- Truck-Topper
- Pop-Up
- Van/car camper



Campers Per Month

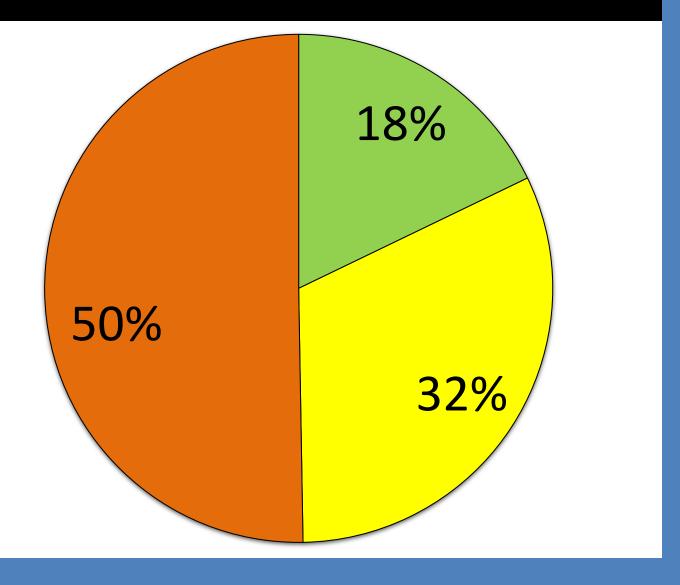


Campsite Locations



Cinnamon

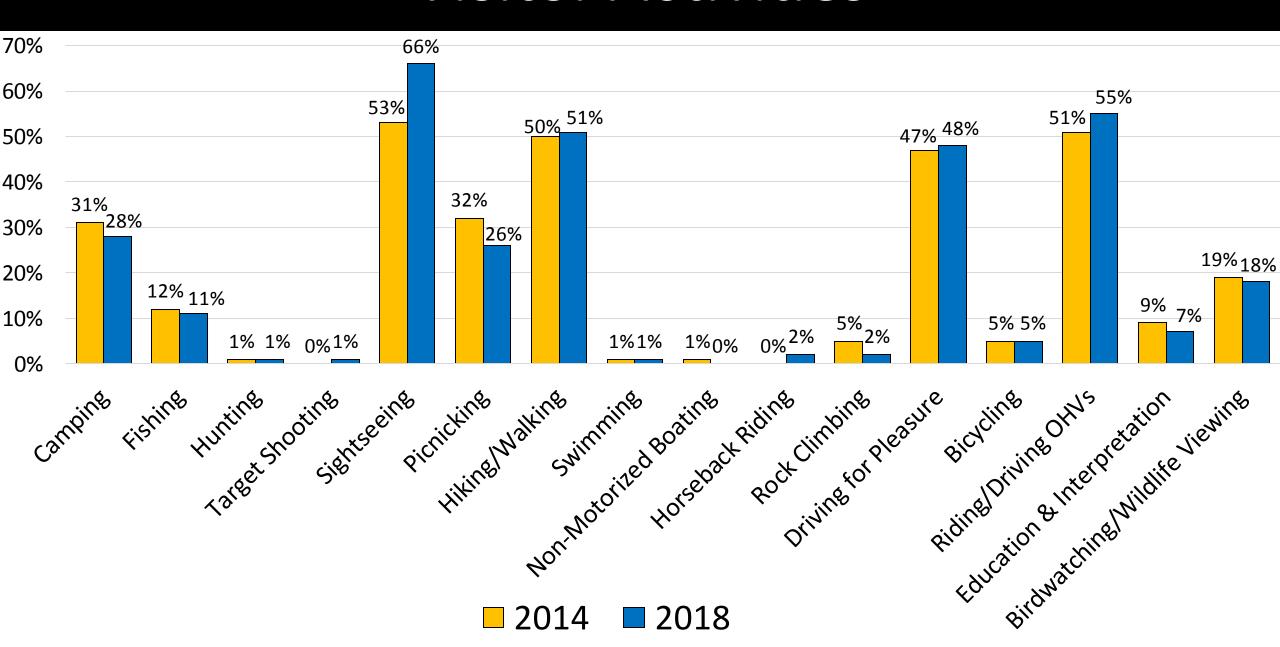
Silverton



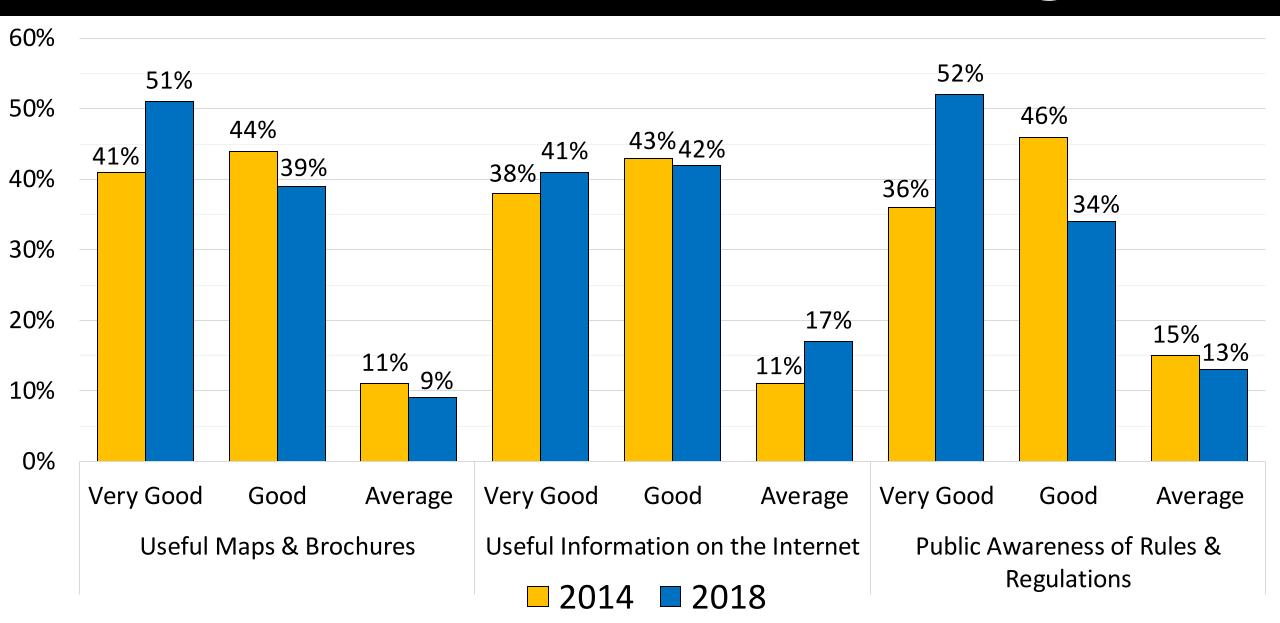


GPRA Survey Results

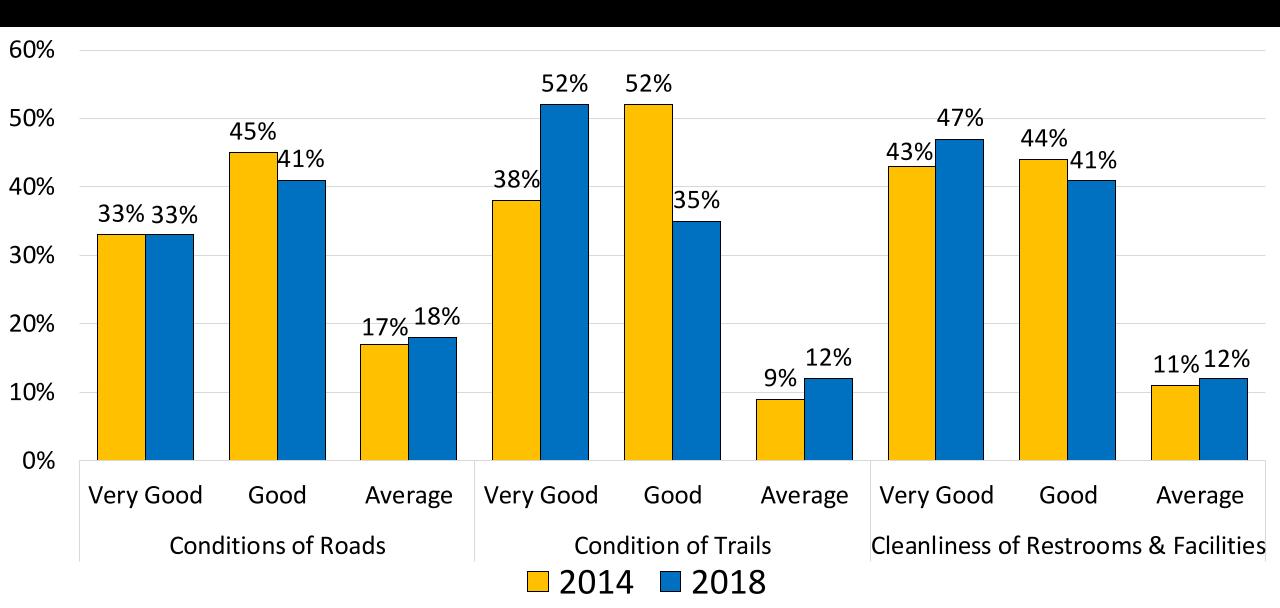
Visitor Activities



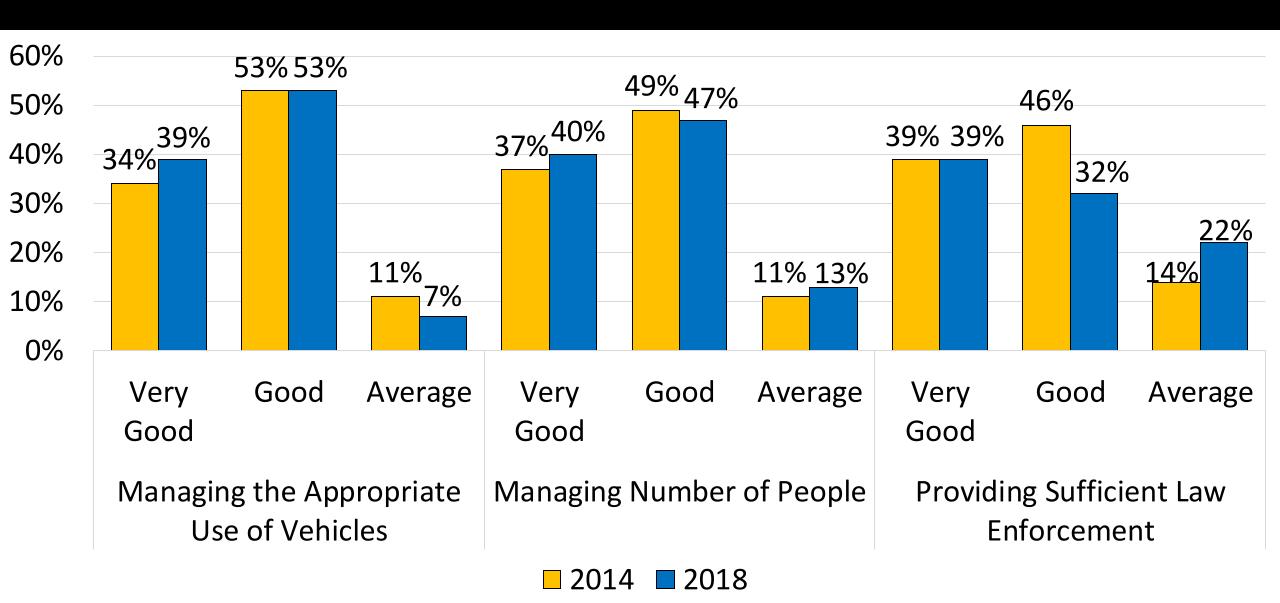
Visitor Information Ratings



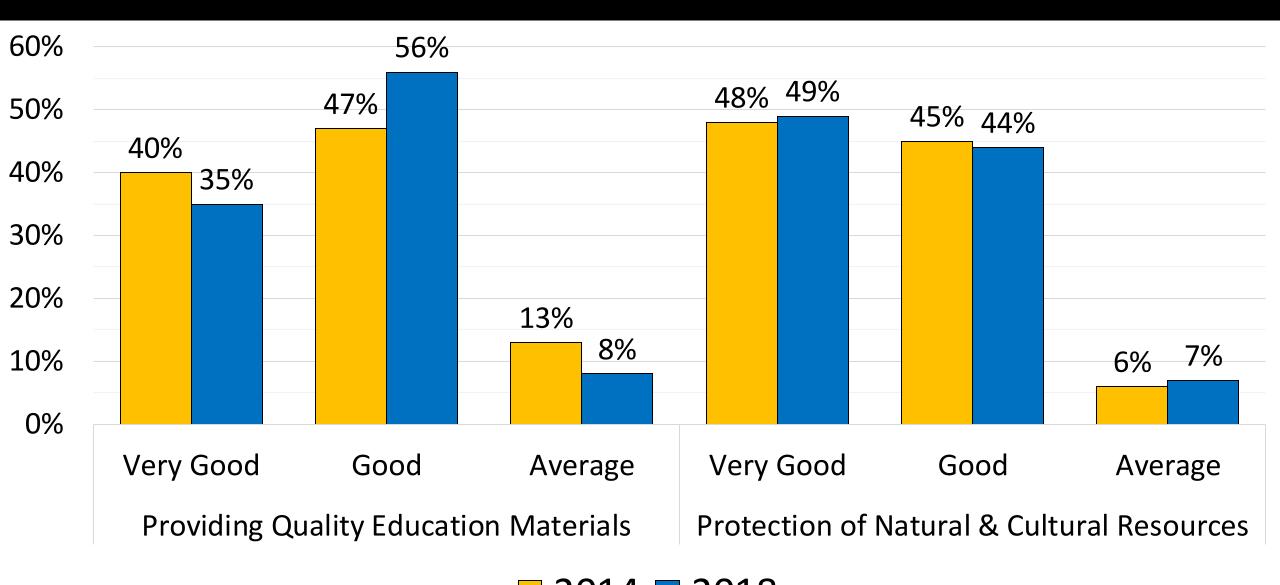
Developed Facilities Ratings



Recreation Use Management Ratings



Resource Management & Education Ratings



To provide excellent visitor services and "properly protect natural resources, managers of natural areas must know the status and condition of both natural and social resources" (D'Antonio et al., 2016).