



DEPARTMENT OF PARKS AND RECREATION

Lisa Ann L. Mangat, Director

Anza-Borrego Desert State Park
 Colorado Desert District
 200 Palm Canyon Drive
 Borrego Springs, CA 92004
 760 767-4037

Extreme Volunteer Sheep Counters:

July 9, 2019

The 49th Annual Sheep Count is in the books and was a big success. 273 bighorn were observed and all counters returned safely! Your tremendous efforts under extreme conditions are greatly appreciated. We are very thankful to the **Anza-Borrego Foundation** for their continuous support of all things conservation, BHS and citizen science related within ABDSP. Thank you to **Department of Fish and Wildlife Environmental Scientist Janene Colby, and volunteer extraordinaire Mark Jorgensen** for their technical expertise and knowledge at orientation and with data analysis. Special Thanks to Sheep Count Volunteers, **Phil Roullard and Callie Mack**, for supplying the delicious goodies at orientation and at the Sunday check in.

In the next week or two I will be sending out a more comprehensive analysis of this year's bighorn sheep count. Stay tuned for more details about the data you all collected!

We hope to see you return next year for the 50th annual BHS Count (July 2-5, 2020)!!! Talk it up with your outdoor friends, as **we can use more backpackers and more count volunteers to fill other sites.**

COUNT SITE	EWE	LAMB	YEARLING		RAM	NO I.D.	TOTAL
			M	F			
BPC Trailhead	1	0	0	0	5	0	6
BPC 1 st Grove	9	2	1	2	9	0	23
BPC 2 nd Grove	9	4	1	2	11	1	28
BPC 3 rd Grove	8	0	4	1	14	0	27
BPC 4 th Grove	2	0	0	0	4	6	12
Hellhole Lower	7	2	0	1	6	0	16
Hellhole Upper	0	0	0	0	1	0	1
Tubb Canyon Mid. Spring	0	0	0	0	7	0	7
Tubb Canyon Mid. Spring II	0	0	0	0	0	1	1
Tubb Canyon Big Spring	0	0	0	0	0	0	0
CC – 2 nd crossing	10	4	0	1	9	0	24
CC – Box/Lower Willows	4	0	0	1	0	0	5
CC – Cougar Canyon	0	0	0	0	3	0	3
CC – Sheep Canyon	0	0	0	0	1	1	2
CC - Middle Willows - Lower	14	8	1	1	4	0	28
CC - Middle Willows - Upper	0	0	0	0	0	0	0
Rattlesnake Spring	20	20	2	0	4	0	46
N. Fk. Palm Wash Tenajas	5	1	0	0	0	0	6
Sentenac Canyon	0	0	0	0	4	0	4
Agua Caliente	21	6	0	3	4	0	34
TOTAL	110	47	9	12	86	9	273

RATIOS: RAM : EWE 78:100 LAMB : EWE 43:100 YEARLING : EWE 19:100

COUNT CONDUCTED ON JULY 5th, 6th, 7th, 2019.

High temperatures for each day: 106°F, 106°F, 103°F.

Low temperatures for each day: 64°F, 73°F, 72°F.

THANKS to all of you!

Mike Puzzo, Environmental Scientist, Coordinator
Anza-Borrego Desert State Park, Colorado Desert District