

Bison Management Operations Winter 2017-18:**Table 1.** Summary of Yellowstone bison removed through state and treaty harvests and culled through consignment to slaughter, quarantine, or research facilities, or dying within containment. Table abbreviations are adult (A), yearling (Y), calf (C), and unknown sex (Unk). Harvest numbers are preliminary, in-season totals that may change.

Date	Removal Method	NORTH						WEST					
		Male		Female		Unk		Male		Female		Unk	
		A	Y	A	Y	Unk	C	A	Y	A	Y	Unk	C
Operations Year 2017- 18	Harvest (Mont)	16	0	9	0	0	0	6	0	14	0	0	1
	Harvest (CSKT)	0	0	2	0	0	0	18	0	18	0	0	9
	Harvest (NPT)	39	0	31	0	0	18	1	0	2	0	1	0
	Harvest (CTU)	15	0	9	0	0	4	0	0	0	0	0	0
	Harvest (SB)	18	0	4	0	0		0	0	2	0	0	0
	Harvest (YN)	0	0	0	0	40	0	1	0	2	0	8	0
	Harvest (BT)	0	0	0	0	32	0	0	0	0	0	6	0
	NPS ¹	0	0	0	0	6	0	0	0	0	0	0	0
	MTFWP ¹												
	Seized ²	3									1 ³		
Operations Year 2017- 18	Captured and Consigned	32	42	286	77		226						
	Removed to Quarantine	0	73	0	26	0	31						
	Capture Pen Mortality	0	0	0	1	0	2						
	MTDOL Management Shooting												
Year to Date	HARVEST	91		55		78	22	26	39		15	10	
	CULL	32	115	286	104		259						
	TOTAL	123	115	341	104	78	281	26	39		15	10	
	1131						1042					90	

¹ - Wounded animals shot within Yellowstone by YNP personnel or outside the park by MTFWP personnel.

² - Harvested animals seized by MTFWP personnel and not reported otherwise in harvest summaries.

³ - Animal found dead, unknown which hunting party to attribute mortality to.

Table 2. Bison tested for brucellosis exposure (positive + negative -) within the Stephens Creek Capture Facility.

Date	Male						Female					
	Adult		Yearling		Calf		Adult		Yearling		Calf	
	+	-	+	-	+	-	+	-	+	-	+	-
2/27/2018	3	5	3	9	2	9	22	10	4	6	1	3
2/28/2018	1	0	4	4	1	17	15	20	1	4	1	15
3/1/2018	2	0	0	4	0	5	16	9	1	6	2	5
3/5/2018	0	0	5	7	1	5	19	12	6	2	2	10
3/6/2018	1	2	4	1	0	1	14	5	2	4	0	1
3/7/2018	3	4	5	13	0	14	19	13	3	1	0	8
3/8/2018	0	1	2	5	0	8	13	8	1	1	2	8
3/12/2018	0	0	2	5	0	4	11	3	2	2	0	4
3/13/2018	3	1	5	10	1	11	20	4	3	2	0	12
3/14/2018	3	0	6	10	3	4	20	5	4	9	0	7
3/15/2018	0	0	2	5	0	11	6	8	10	7	3	13
3/19/2018	2	0	0	2	1	8	7	2	4	8	0	7
3/20/2018	0	0	0	1	0	6	1	1	4	6	3	20
Total	18	13	38	76	9	103	183	100	45	58	14	113
Total	257						513					

<u>Disposition of Captured Bison:</u>	<u>Year to Date</u>
Transferred to Tribes:	663
Transferred for research:	0
Being held for quarantine:	98
Mortalities within the Stephens Creek Capture Facility:	3
Released:	26
Approximate number of animals being held within the Stephens Creek Facility for eventual consignment or release:	31

Table 3. Daily number of bison counted by ground observers outside the northern boundary of Yellowstone National Park, daily estimated number of bison captured in the Stephens Creek Facility, and unconfirmed estimates of animals harvested by hunters.³

Date	Between Stephens Ck and Reece Ck	Out of park maximum count	Harvests	Captured
Before 2/11/2018	0 to 305 per day	0 to 80 per day	79 total	0
2/11/2018	275		0	0
2/13/2018	15	0	0	0
2/14/2018	14			
2/15/2018	32		6	0
2/16/2018	80		9	43
2/18/2018	130	0	0	53
2/19/2018				
2/20/2018				
2/21/2018	15		26	
2/22/2018	350			222
2/23/2018	350	200	6	215
2/24/2018	122	38	12	165
2/25/2018	250	48	16	
2/26/2018		150-200	1	
2/27/2018		107		
2/28/2018	150	110		
3/1/2018	180	280	8	
3/2/2018	120	205	17	
3/3/2018		400+	5	33
3/4/2018				14
3/5/2018		410		
3/6/2018	210	440		
3/7/2018	150	290	8	
3/8/2018		200	7	38
3/9/2018			12	
3/10/2018			12	12
3/11/2018				75
3/12/2018	128	236		
3/13/2018			4	
3/14/2018			4	
3/15/2018			6	
3/16/2018			3	
3/17/2018			9	
3/18/2018			3	
3/20/2018	13	53	1	

Table 4. Numbers of bison counted in the Gardiner basin by ground observers during winter 2017-18. Bison held within the Stephens Creek Capture Facility are not included in counts.

Date	Mammoth to Gardiner	North Entrance Station to Stephens Creek Facility	Stephens Creek Facility to Park Boundary	North of Park Boundary	Eagle Creek SMA	Total	Harvests to Date	Trapped to Date
1/17/2018	213	0	0	0	0	213	8	0
1/23/2018	53	171	0	0	0	224	12	0
1/29/2018	103	97	3	0	0	203	21	0
2/6/2018	29	265	0	0	0	294	77	0
2/12/2018	283	137	4	0	0	424	79	0
2/20/2018	198	307	35	0	0	540	94	96
2/22/2018	170	477	18	5	0	670	120	318*
2/26/2018	97	225	100	41	0	463	155	698
3/2/2018	73	374	1	176	0	624	180	698
3/6/2018	135	223	78	404	7	847	185	745
3/12/2018	104	249	128	236	30	747	224	870
3/20/2018	34	137	13	53	0	237	254	870
			* note - 76 bison were released from the capture facility on 22 February					