

	Male						Female						Total Tested for Year	Total Trapped for Year
	Adult		Yearling		Calf		Adult		Yearling		Calf			
	+	-	+	-	+	-	+	-	+	-	+	-		
2013-2014	16	5	38	20	6	39	102	37	19	20	8	43	353	353
2014-2015	22	11	23	57	4	54	112	80	25	42	2	49	481	518
2015-2016	4	1	8	6	0	29	41	21	9	10	2	13	144	150
2016-2017	24	8	37	68	4	86	199	110	36	72	5	94	743	784
2017-2018	18	14	42	73	11	101	191	97	47	56	15	129	794	797
2018-2019	19	6	15	30	2	45	85	46	14	26	5	42	335	347
2019-2020	16	11	28	39	5	52	90	54	34	50	8	58	445	547
2020-2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	119	56	191	293	32	406	820	445	184	276	45	428	3295	3496

About 40% of captured animals meet criteria for entering BCTP

	Number Harvested	Total Captured	Number Eligible	Number Entered in BCTP	
2015-2016	402	150	58	49	84.48%
2016-2017	486	788	320	35	10.94%
2017-2018	375	796	359	99	27.58%
2018-2019	112	348	143	0	0.00%
2019-2020	284	550	199	105	52.76%
2020-2021	187	0	0	0	0.00%
2021-2022	13	38	10	10	100.00%

Eligible Animals include seronegative calves and yearlings

Brucellosis quarantine program capacity

The National Park Service (Yellowstone) and USDA-APHIS leased facilities will have a total holding capacity of approximately 260 adults when NPS improvements are completed in 2022. The NPS facility will have 5 pens each capable of handling an ITG of 40 males or 40 females. The APHIS leased facilities include 3 pens each capable of handling an ITG of about 20 females.

A male Individual Testing Group (ITG) requires about 20 months within a holding pen, whereas a female ITG requires about 34 months. Under this scenario, the entire program can graduate 3 ITGs annually to assurance testing.

QUARANTINE PROCEDURES

T₀: Bison removed from the wild population and placed into isolation pens

- Mixed age and sex groups captured from the wild population
- Captured animals tested for brucellosis using trap-side tests (CARD and BAPA) and those testing negative placed into the quarantine facility
- Sera is sent for comprehensive testing to confirm negative results (a small number test positive)
- Animals placed into test groups based on age and sex

Male test group

- Obtain a negative test (generally around day 180-210) where the entire group must test negative with result confirmed 30 days later
- The entire group must test negative again at 6- and 12- months from the date of the negative test
- Certify test group as brucellosis free once all males reach 3 years of age or older
- Transfer to assurance testing with group retested at 6- and 12- months

Female test group

- Females must be non-pregnant
- Obtain a negative test (generally around day 180-210) where the entire group must test negative with result confirmed 30 days later
- After the negative test, breed with a negative male
- Test culture-negative via uterine swab collected within 5 days of parturition
- The entire group must test negative 30-90 days after each female calved and again 6 months after the last female calved
- Transfer to assurance testing with group retested at 6- and 12- months

Other Animals

- Calves born in the facility when the dam's ITG has not reached the negative test prior to conception must pass the requirements of a male or female test group
- Pregnant females must calve, obtain a negative test, and follow the requirements for the female test group.