JURISDICTION/Subspp	Population Estimate											Total Ram Licenses Issued										
Dall's Sheep	**1990**	**2000**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**1990**	**2000**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**
Alaska	58150	52,100	46,150	up trend	down to stable	slight decrease	slightly down	slight recovery	stable across	up trend to stable	stable	8,088	7,121	6,370	6,454	6,311	6,355	5,835	5,641	5,874	5,695	5,634
British Columbia*	500	500	500	500	500	450	450	450	450					72	72	72	62	62	47	47	47	
NW Territories	20000	20,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000			233	231	253	251	270	264	264	291	291		
Yukon	22500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500			1,046	933	1,167	1,139	1,195	1,254	1,347	1,412	1,483		
Sub-Total for Dall's	**101,150**	**95,100**	**90,150**	**89,000**	**89,000**	**88,950**	**88,950**	**88,950**	**88,950**	**0**	**0**	**9,367**	**8,285**	**7,862**	**7,916**	**7,848**	**7,935**	**7,508**	**7,391**	**7,695**	**5,742**	**5,634**
Stone's Sheep	**1990**	**2000**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**1990**	**2000**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**
British Columbia*	11,500	12500	12450	12,450	12,450	13,000	13,000	13,000	13,000					176	237	237	212	212	187	187	187	
Yukon Territory	100	100	100	100	100	100	100	100	100			--------	--------	--------	--------	--------	--------	--------				
Sub-Total for Stone's	**11,600**	**12,600**	**12,550**	**12,550**	**12,550**	**13,100**	**13,100**	**13,100**	**13,100**	**0**	**0**	**0**	**0**	**176**	**237**	**237**	**212**	**212**	**187**	**187**	**187**	**0**
British Columbia Ram Licenses for all thinhorn and bighorn subspecies including unrestricted open units												4250	1910	2489	2335	2501	2596	2731	2815	2890	2890	
RMBS/CABHS	**1990**	**2000**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**1990**	**2000**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**
Alberta	6,000	6,300	6,110	6,465	6,500	6,480	6,500	6,500	6,500	6,500	6,400	2,309	1,840	2,280	2,216	2,442	2,353	2,396	2,574	2,500	2,279	
Arizona	350	600	1,000	1,000	1,200	1,200	1,200	1,200	1,200	1,200	1,200	6	10	12	13	13	17	18	19	17	17	
British Columbia*	7,700	6,500	6,550	6,550	6,550	6,600	6,600	6,600	6,600					129	127	137	145	145	130	119	105	
Colorado	6,630	7,510	6,880	7,030	7,010	6,860	7,035	6,875	6,810	6,925	6,850	320	260	211	203	199	201	199	204	216	228	230
Idaho	5,090	3,060	3,250	2,900	2,900	2,813	3,065	2,879	2,785	2,537	2,581	203	105	84	89	83	89	89	91	91	99	97
Montana	5,200	5,820	6,370	5,100	5,000	5,100	6,650	6,650	6,450	6,450	6,200	624	321	151	128	123	119	119	122	126	129	
Nebraska	50	90	300	315	335	390	350	360	320	300	250	0	2	0	2	0	0	1	2	1	2	2
Nevada	600	1,600	2,100	2,300	2,200	2,300	2,200	2,100	2,000	2,100	2,100	5	46	56	63	67	74	71	67	62	62	66
New Mexico	591	653	749	870	870	1,048	1,214	1,308	1,518	1,677	1,688	12	14	14	14	12	12	15	21	26	32	33
North Dakota	200	170	350	330	330	330	270	320	330	320		7	4	6	6	4	4	5	0	8	5	3
Oregon	2,200	3,800	4,040	4,461	4,123	4,414	4,962	5,083	4,200			52	56	94	97	97	96	95	95	85		
South Dakota	350	450	450	350	300	200	250	330	300	520		2	6	5	3	2	3	3	3	3		
Utah	600	1,100	2,340	2,500	2,200	2,100	2,000	1,700	1,600	1,500		0	9	35	37	42	46	44	41	40		
Washington	900	1,005	1,129	1,574	1,663	1,350	1,313	1,691	1,800		1,783	13	16	42	43	38	31	32	26	27	23	27
Wyoming	7,069	6,495	6,445	6,250	6,250	6,100	6,250	6,575	6,330	6,300		374	255	256	249	252	205	213	193	202	214	206
Sub-Total - RMBS/CABHS	**43,530**	**45,153**	**48,063**	**47,995**	**47,431**	**47,285**	**49,859**	**50,171**	**48,743**	**36,329**	**29,052**	**3,927**	**2,944**	**3,375**	**3,290**	**3,511**	**3,395**	**3,445**	**3,588**	**3,523**	**3,195**	**664**
*Only includes BC permits for Limited Entry Hunt Units																						
Desert BHS	**1990**	**2000**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**1990**	**2000**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**
Arizona	4500	6000	4500	4500	5000	5,000	5,000	5,000	5,000	4,800	4,800	70	94	85	83	82	92	107	104	91	90	97
California	4400	4500	4800	4800	4800	4,500	4,500	4,500	4,500	4,500	4,500	6	10	22	27	27	23	14	12	19	19	19
Colorado	275	460	450	450	515	515	515	520	540	540	540	4	7	10	10	10	12	12	12	11	13	13
Nevada	4500	4900	7400	7600	8600	8,900	8,900	9,600	9,700	10,100	10,100	138	132	216	222	281	275	287	312	316	334	317
New Mexico	140	172	565	647	752	802	814	960	1,118	1,165	1,233	0	2	2	2	19	21	21	29	29	29	30
Texas	130	381	1115	1026	1300	1,400	1,500	1,400	1,400	1,143	1,500	1	6	16	14	17	14	13	18	12		
Utah	2310	2635	2580	2740	2000	2,550	2,700	2,900	3,000	2,900	3,600	15	33	50	54	49	44	46	49	46		
Sonora (mainland, Tiburon Island, Sierras Libre, San Jose	2250	2500	2500						7,200	7,500	8,000	75	50	55								
Baja California	2500	2500	2500	2500	2500				2,250	2,500	2,500	30										
Baja CA Sur	1500	2000	2250						450	750	500	15	20	35								
Isla del Carmen									450	500	500											
Chihuahua	0	0	250	250	250				900	575	1,000			2	2	2						
Coahuila									900	920	1,000			1	1	1						
Nuevo Leon	0	0	25	25	25																	
Sub-Total DBHS	**22,505**	**26,048**	**28,935**	**24,538**	**25,742**	**23,667**	**23,929**	**24,880**	**37,408**	**37,893**	**39,773**	**354**	**354**	**494**	**415**	**488**	**481**	**500**	**536**	**524**	**485**	**476**
Sierra Nevada BHS	**1990**	**2000**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**											
California		125	438	395	417	505	493	545	600		600											
Total	**178,785**	**179,026**	**180,136**	**174,478**	**175,140**	**173,507**	**176,331**	**177,646**	**188,801**	**74,222**	**68,825**	**13,648**	**11,583**	**11,907**	**11,858**	**12,084**	**12,023**	**11,665**	**11,702**	**11,929**	**9,609**	

JURISDICTION/Subspp	Total Ram Harvest											Total Ewe Licenses Issued							Total Ewe Harvest						
Dall's Sheep	**1990**	**2000**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**
Alaska	1,316	716	742	816	728	715	672	659	792	793	789	233	212	178	115	105	Unk	3	1	2	4	7	2	4	0
British Columbia*	10	1	5	3	9	4	3	5	3	10		0	0	0	0	0	0								
NW Territories	219	189	193	181	207	193	208	219	192			0	0	0	0	0									
Yukon	337	218	211	194	207	228	235	227	230			0	0	0	0	0	0								
Sub-Total for Dall's	**1,882**	**1,124**	**1,151**	**1,194**	**1,151**	**1,140**	**1,118**	**1,110**	**1,217**	**803**	**789**	**233**	**212**	**178**	**115**	**105**	**0**	**3**	**1**	**2**	**4**	**7**	**2**	**4**	
Stone's Sheep	**1990**	**2000**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**
British Columbia*	466	278	333	330	334	339	322	298	334	330		0	0	0	0	0	0								
Yukon Territory	0	2	0	0	0	0	1	0	0			0	0	0	0										
Sub-Total for Stone's	**466**	**280**	**333**	**330**	**334**	**339**	**323**	**298**	**334**	**330**	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	0
British Columbia Ram Licenses for all thinhorn and bighorn subspecies including unrestricted open units																									
RMBS/CABHS	**1990**	**2000**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**
Alberta	233	185	180	168	170	156	133	173	179	140	144	160	124	148	196		182	~182	48	42	31	64		30	29
Arizona	6	10	12	13	12	16	16	19	17	17	15	0	0	0	0	0	0	0							
British Columbia*	152	58	110	84	93	65	90	100	94	80		0	0	35	25	24	7				18	10	12	4	
Colorado	116	137	118	114	115	90	109	110	127	137		55	66	59	62	67	76	77	27	24	23	31	40	38	
Idaho	92	52	49	53	50	63	61	53	62	64	63	0	0	0	0	0	0	0							
Montana	79	118	136	128	120	111	119	126	125	127		100	107	114	123	159	185		45	66	71	87	131	98	
Nebraska	0	2	0	2	0	0	1	2	1	2	2	0	0	0	0	0	0	0							
Nevada	4	42	56	57	60	68	62	57	56	56	64	0	0	15	10	10	2	2			10	6	6	2	2
New Mexico	12	14	13	14	11	12	15	20	24	29	32	12	12	12	24	8	30	78	2	5	7	14	2	18	55
North Dakota	6	4	6	6	4	4	5	0	8	5	3	0	0	0	0	0	0	0							0
Oregon	52	56	93	100	100	104	99	90	**85**			0	0	0	0	0									
South Dakota	2	6	5	3	2	3	2	3	3			0	0	0	0	0									
Utah	0	9	34	37	34	48	46	42	41			0	0	0	0	0									
Washington	15	16	35	37	30	31	20	24	25	23		2	2	5	10	14	14	31	2	1	5	7		11	
Wyoming	241	184	211	181	197	180	167	154	167	175	154	20	8	4	0	0	0	0	15	7	2				
Sub-Total - RMBS/CABHS	**1,010**	**893**	**1,058**	**997**	**998**	**951**	**945**	**973**	**1,014**	**855**	**477**	**349**	**319**	**392**	**450**	**282**	**496**	**188**	**139**	**145**	**167**	**219**	**191**	**201**	**86**
Desert BHS	**1990**	**2000**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**
Arizona	60	89	77	80	80	87	86	99	88	87	96	0	0	0	0	0	0	0							
California	6	10	22	27	24	19	13	11	18	18	18	0	0	0	0	0	0	0							
Colorado	4	7	10	8	10	11	11	12	9	13	12	0	0	0	0	0	0	0							
Nevada	93	114	186	187	234	251	258	284	285	301	279	0	0	85	140	148	149	134			63	99	101	94	83
New Mexico	0	2	2	2	18	21	15	27	28	28	29	0	0	0	0	0	0	0							
Texas	1	5	15	14	17	14	9	18	9			0	0	0	0	0	0	0							
Utah	12	33	46	47	41	42	45	45	41			0	0	0	0	0	0	0							
Sonora (mainland, Tiburon Island, Sierras Libre, San Jose	50	50	55	??	??																				
Baja California	25	0	0	0	0																				
Baja CA Sur	15	20	35																						
Isla del Carmen																									
Chihuahua	0	0	2	2	2																				
Coahuila	0	0	1	1	1																				
Nuevo Leon	0	0	0	0	0																				
Sub-Total DBHS	**266**	**330**	**451**	**368**	**427**	**445**	**437**	**496**	**478**			**0**	**0**	**85**	**140**	**148**			**0**	**0**	**63**	**99**	**101**		
Sierra Nevada BHS																									
California																									
Total	**3,624**	**2,627**	**2,993**	**2,889**	**2,910**	**2,875**	**2,823**	**2,877**	**3,043**	**1,988**		**582**	**531**	**655**	**705**	**535**	**496**		**140**	**147**	**234**	**325**	**294**	**205**	

JURISDICTION/Subspp	COMMENTS		Ram Harvest as % of Population Estimate									
Dall's Sheep		Location	**1990**	**2000**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Alaska	Pop est. (1990, 2000 & 2010) are generated from historical ADF&G Survey & Inventory Reports; Ram licenses	AK	2.3%	1.4%	1.6%							
British Columbia*	Provincial estimates conducted every 3-5 years since 1978; 1990 = pre-hunting season estimates (i.e. July); BC does not break down license sales by species/sub-species; license sales figures include both R & NR.	BC	2.0%	0.2%	1.0%	0.6%	1.8%	0.9%	0.7%	1.1%	0.7%	#DIV/0!
NW Territories	Instead of tags issued, figures are # of licensed NR hunters; NR hunters w/ 8 licensed outfitters continue to take > 90% of the rams harvested annually; 500-1,000 Dall's sheep occur in Richardson Mountains, but only	NWT	1.1%	0.9%	0.9%	0.9%	1.0%	0.9%	1.0%	1.0%	0.9%	#DIV/0!
Yukon	Numbers here represent harvest for both Dall's and Fannin's, whose distribution is based on recent genetic work. Population size is roughly based on a 1985 estimate, however there remains much of the Yukon that	YK	1.5%	1.0%	0.9%	0.9%	0.9%	1.0%	1.0%	1.0%	1.0%	#DIV/0!
Sub-Total for Dall's		**Dall**	1.9%	1.2%	1.3%	1.3%	1.3%	1.3%	1.3%	1.2%	1.4%	#DIV/0!
Stone's Sheep												
British Columbia*		BC	4.1%	2.2%	2.7%	2.7%	2.7%	2.6%	2.5%	2.3%	2.6%	#DIV/0!
Yukon Territory	Based on results of recent genetics work, the revised distribution of Stone's sheep in the Yukon is very small and limited to three game management subzones (one of which is closed to harvest). The population	YK	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	#DIV/0!
Sub-Total for Stone's		**Stone**	4.0%	2.2%	2.7%	2.6%	2.7%	2.6%	2.5%	2.3%	2.5%	#DIV/0!
British Columbia Ram Licenses for all thinhorn and bighorn subspecies including unrestricted open units												
RMBS/CABHS												
Alberta	Population estimates do NOT include BHS in Canadian Nat'l Parks. Licenses issued = sold (vs available whcih w	AB	3.9%	2.9%	2.9%	2.6%	2.6%	2.4%	2.0%	2.7%	2.8%	2.2%
Arizona		AZ	1.7%	1.7%	1.2%	1.3%	1.0%	1.3%	1.3%	1.6%	1.4%	1.4%
British Columbia*	Provincial estimates conducted every 3-5 years since 1978; 1990 = pre- hunting season estimates (i.e. July); B	BC	2.0%	0.9%	1.7%	1.3%	1.4%	1.0%	1.4%	1.5%	1.4%	#DIV/0!
Colorado	6,225 RMBHS occur in units open to hunting 2018. Licenses include archery only licenes.	CO	1.7%	1.8%	1.7%	1.6%	1.6%	1.3%	1.5%	1.6%	1.9%	2.0%
Idaho	We changed the aircraft and timing of surveys in 2015 & 2016 for CA BHS and it may have negatively influenc	ID	1.8%	1.7%	1.5%	1.8%	1.7%	2.2%	2.0%	1.8%	2.2%	2.5%
Montana	1990 & 2000 Hunter #s include "Unlimited Area" OTC license buyers; 2014 Pop. Estimate includes all BHS loca	MT	1.5%	2.0%	2.1%	2.5%	2.4%	2.2%	1.8%	1.9%	1.9%	2.0%
Nebraska	25 total rams harvested since the first season in 1998.	NE	0.0%	2.2%	0.0%	0.6%	0.0%	0.0%	0.3%	0.6%	0.3%	0.7%
Nevada	NV lost roughly 550 CBH & RMBH to disease events since 2007 which has obviously impacted tag opportuniti	NV	0.7%	2.6%	2.7%	2.5%	2.7%	3.0%	2.8%	2.7%	2.8%	2.7%
New Mexico	Ewe harvest not mandatory reporting; therefore harvest total is an estimate	NM	2.0%	2.1%	1.7%	1.6%	1.3%	1.1%	1.2%	1.5%	1.6%	1.7%
North Dakota	Includes Theodore Roosevelt National Park. Hunting season closed in 2015 due to disease event (Movi pnuem	ND	3.0%	2.4%	1.7%	1.8%	1.2%	1.2%	1.9%	0.0%	2.4%	1.6%
Oregon	Starting in 2010 Harvest is from controlled tags + tribal harvest	OR	2.4%	1.5%	2.3%	2.2%	2.4%	2.4%	2.0%	1.8%	2.0%	#DIV/0!
South Dakota	Population estimate does not include Badlands National Park or Oglala Sioux Nation (an additional 200-250 sh	SD	0.6%	1.3%	1.1%	0.9%	0.7%	1.5%	0.8%	0.9%	1.0%	0.0%
Utah	Estimates do not include populations not managed by Utah DWR.	UT	0.0%	0.8%	1.5%	1.5%	1.5%	2.3%	2.3%	2.5%	2.6%	0.0%
Washington	Auction and raffle permits included in most years. Counts are mixture of unadjusted raw counts and rough sig	WA	1.7%	1.6%	3.1%	2.4%	1.8%	2.3%	1.5%	1.4%	1.4%	#DIV/0!
Wyoming		WY	3.4%	2.8%	3.3%	2.9%	3.2%	3.0%	2.7%	2.3%	2.6%	2.8%
Sub-Total - RMBS/CABHS		**RM/Cal**	2.3%	2.0%	2.2%	2.1%	2.1%	2.0%	1.9%	1.9%	2.1%	2.4%
*Only includes BC permits for Limited Entry Hunt Units												
Desert BHS												
Arizona		AZ	1.3%	1.5%	1.7%	1.8%	1.6%	1.7%	1.7%	2.0%	1.8%	1.8%
California	Pop estimates include the Pennisular desert bighorn herds; include total tag licenses/tags issued includes fun	CA	0.1%	0.2%	0.5%	0.6%	0.5%	0.4%	0.3%	0.2%	0.4%	0.4%
Colorado		CO	1.5%	1.5%	2.2%	1.8%	1.9%	2.1%	2.1%	2.3%	1.7%	2.4%
Nevada		NV	2.1%	2.3%	2.5%	2.5%	2.7%	2.8%	2.9%	3.0%	2.9%	3.0%
New Mexico		NM	0.0%	1.2%	0.4%	0.3%	2.4%	2.6%	1.8%	2.8%	2.5%	2.4%
Texas	No ewe permits issued in TX; 2016 harvrest not available until Jul 2017	TX	0.8%	1.3%	1.3%	1.4%	1.3%	1.0%	0.6%	1.3%	0.6%	0.0%
Utah	1996 estimate of 2,310 desert BHS; no 1990 estimate	UT	0.5%	1.3%	1.8%	1.7%	2.1%	1.6%	1.7%	1.6%	1.4%	0.0%
Sonora (mainland, Tiburon Island, Sierras Libre, San Jose	Includes an estimated 3,600 bighorn in enclosures											
Baja California	Baja California (Norte) closed to hunting in 1992											
Baja CA Sur	*Isla Carmen included in 2010 population											
Isla del Carmen												
Chihuahua	Includes an estimated 275 in enclosures											
Coahuila	Includes an estimated 340 in enclosures											
Nuevo Leon	All are bighorn are thought to be in enclosures though unknown number											
Sub-Total DBHS		**Desert**	1.2%	1.3%	1.6%	1.5%	1.7%	1.9%	1.8%	2.0%	1.3%	0.0%
Sierra Nevada BHS												
California												
Total		**All Subspp**	2.0%	1.5%	1.7%	1.7%	1.7%	1.7%	1.6%	1.6%	1.6%	2.7%