

2006
Post-Delisting Monitoring Report
for the
Douglas County Distinct Population Segment
of the Columbian White-tailed Deer
(Odocoileus virginianus leucurus)



Prepared by the U.S. Fish and Wildlife Service
Roseburg Field Office
Roseburg, Oregon
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COLUMBIAN WHITE-TAILED DEER POST-DELISTING MONITORING REPORT 2006

This Post-delisting Monitoring Report fulfills the requirement in the Post-delisting Monitoring Plan for the Douglas County Distinct Population Segment of the Columbian White-tailed Deer (deer), finalized in July 2006 (USFWS 2006). This report summarizes and presents the data (tables, spreadsheets and figures) collected from calendar year 2006 for the deer. This report and subsequent reports will be distributed to all cooperators and will be posted on the webpage of the U.S. Fish and Wildlife Service (Service), Roseburg Field Office.

The Post-delisting Monitoring Plan requires us to provide information on population trends, disease occurrence and habitat status during each calendar year of the post-delisting monitoring period. In the report, we also provide updates on two other issues of interest to managers of the deer in Douglas County: Oregon Department of Fish and Wildlife, Roseburg District (ODFW) harvest program and the ODFW trap and transplant program. At the end of this report, we also briefly review the status of the population with respect to the five listing factors considered in section 4 of the Endangered Species Act.

I. Population trends

ODFW has provided the following information regarding the deer population:

Population estimates conducted by ODFW for the deer population have demonstrated a long-term upward trend since management for the deer population began in 1975 (Figure 1, Appendix A). Population estimates for 2006 continue this strong, upward trend. The deer population estimated through 2006 is 6,576 deer. The range of the deer continues to expand to the north and west, and the population occupies an area of approximately 1,300 square kilometers (530 square miles) (Figure 2, Appendix A). Spreadsheet 5 presents population estimates through 2006 (Appendix B).

Since 1975, the ODFW has conducted spring and fall surveys to estimate population size, recruitment, and sex ratios. The ODFW has established standard routes for spotlight surveys along 210 kilometers (130 miles) of road within the known range of the deer. Although annual counts fluctuate, the overall trend of the population is increasing; a regression analysis of the data collected from 1975 to 2006 in the core area shows a strong upward trend (Figure 1, Appendix A). Spreadsheets 1 through 5 (Appendix B) present 2006 buck, doe and fawn counts and ratios; spring counts 1975-2006; fall counts of bucks per 100 does 1980-2006; and counts of fawns per 100 does for 2006. In 2006, the ODFW estimated that there were 6.76 deer per mile along their standard census routes in the core of the population's range, and 0.87 deer on survey routes outside of the core zone. Since 1975, the number of deer per mile has shown a steady, increasing trend (Spreadsheet 3, Appendix B).

In summary, the population trend continues to be positive, and the deer are well distributed throughout their expanding range in Douglas County, Oregon.

II. Disease Occurrence and Disease Outbreak Early Alert System

Two diseases (adenovirus hemorrhagic disease and deer hair-loss syndrome) are endemic in the population, and are monitored as part of ODFW's standard disease monitoring efforts. ODFW has provided the following information regarding the Douglas County deer population:

1. Adenovirus hemorrhagic disease

Sampling by ODFW has found that adenovirus titers (evidence of past exposure) are present throughout the deer population. ODFW considers this disease to be endemic in the herd. Sampling information for Douglas County, Oregon from 2003 through 2006 is included in Appendix C.

2. Deer hair loss syndrome

Deer that appear to be suffering from deer hair-loss syndrome are noted by ODFW on the twice annual population surveys. Deer hair-loss syndrome is not currently considered to be a threat to the population, but the post-delisting monitoring program is tracking the incidence of this condition. In 2006, 4 percent of the deer population had this syndrome.

3. Chronic wasting disease

Chronic wasting disease is included in the post-delisting monitoring program. However, the disease has not been detected anywhere in Oregon to date. This disease will continue to be monitored because should it ever be detected, the disease could pose a significant threat to the deer.

In summary, current data show no evidence of increased mortality due to adenovirus hemorrhagic disease or deer hair loss syndrome. Chronic wasting disease has not been detected in Oregon, and therefore is not currently a threat to the deer.

III. Habitat Status

The deer prefer to use habitat such as oak woodlands, riparian areas and emergent wetlands. Since the de-listing of the deer in 2003, several habitat restoration projects have been completed. Some projects focused on improving riparian and aquatic habitat for salmonids and water quality benefits. Due to the affinity deer exhibit for riparian areas and wetlands, these projects will directly and indirectly benefit the deer.

1. Secure areas

a. North Bank Habitat Management Area (NBHMA): The NBHMA is 6,581 acres in size and is the largest publicly administered parcel that provides secure suitable habitat for the deer. Management by the Bureau of Land Management, Roseburg District to improve deer habitat on the NBHMA has continued since 2001, after the signing of the Record of Decision (ROD) for the Final Environmental Impact Statement for the area. A Habitat Management Plan and Monitoring Plan were included with the ROD to guide implementation of the preferred alternative as modified by the ROD.

Management Actions

General management actions that have been implemented since de-listing of the deer from 2001-2006 include prescribed burning, seeding, forage plot development, noxious weed treatment, mowing, upland and riparian planting, and installation of water developments. Extensive work has been accomplished on stream headcuts and crossings along with associated road improvements. Refer to Table 1 for detailed information on management actions accomplished from 2001-2006.

Table 1. North Bank Habitat Management Area Management Actions 2001-2006

Management Activity	Unit of Measure	2001	2002	2003	2004	2005	2006
Prescribed Burning	Acres	490	586	640	730	570	634
Seeding							
<i>Aerial</i>	Acres			5	50	400	450
<i>Firetrails</i>	Miles	10	10	10	10	10	0
Forage Plots	Acres					17	15
Water Developments	Each		1	3	1	1	3
Weed Treatment (thistles, Scotch broom, hawthorn, Himalayan blackberry)							
<i>Upland</i>	Acres			64	70	112	30
<i>Streamside</i>	Miles			1	1.3	1.5	2
Planting (white oak, willow, snowberry, spirea, elderberry, ninebark, ash, maple, white alder, redstem ceanothus, buckbrush, dogwood)							
<i>Upland</i>	Acres		15	25	15		
<i>Streamside</i>	Miles			1	1.3	0.3	2
Mowing	Acres	45	30	45	45	30	30
Stream Restoration							
<i>Headcuts</i>	Each			4	3	0	0
<i>Associated road work</i>	Miles			2	2	0	0
Stream Channel and Greenline Surveys	Each				8	0	
Vegetation Monitoring							
<i>Permanent transects</i>	Each			11	12	10	0

Monitoring

Stream and riparian monitoring has been implemented with the establishment of baseline stream channel and greenline surveys. Monitoring of vegetation condition has been implemented with the establishment of permanent photo plots and transects within different habitat types. Plots and transects have been re-visited as various management actions have taken place across the area. Annual monitoring of Special Status plant sites has also been implemented.

b. Mildred Kanipe Memorial Park: Mildred Kanipe Memorial Park is 1,100 acres, managed by Douglas County in cooperation with Douglas Soil and Water Conservation District

(DSWCD). This is the second largest parcel of publicly owned land providing secure suitable habitat for the deer.

- In 2006, oak savanna restoration projects restored 100 acres of oak savanna and oak woodland in the park. Treatments targeted non-native and invasive species (English hawthorn, Himalayan blackberry and Scotch broom) through cutting, spraying and burning. Reseeding these areas will also occur with native understory species. (Amy Horstman pers. comm. 2007)
- Oak woodlands were also thinned by cutting trees less than 6 inches diameter to reduce stand densities and improve forage and habitat quality for many species including the deer.

c. Whistler's Bend County Park: Whistler's Bend County Park is administered by Douglas County (175 acres) and the Park provides secure suitable habitat for the deer. At this time, deer habitat management has not occurred in the Park

2. Private lands

a. Oerding Preserve at Popcorn Swale: Oerding Preserve at Popcorn Swale is 30 acres. This land was received as a gift from the Oerding family to The Nature Conservancy. The deer are known to utilize this site. Through 2006, work accomplished includes:

- Seven acres of teasel cut annually.
- Two acres of blackberry removed.
- Monitoring of approximately 700 square yards of reed canarygrass (non-native) covered with landscape fabric.
- 35 pounds of native seed gathered and used to reseed 0.35 acres.
- Annual vegetation monitoring to evaluate species cover and diversity.
- Annual photo-point monitoring to visually document changes.

b. Marilyn Gill Oak Restoration Project: A Service private stewardship grant was used to conduct treatments through the McKenzie River Trust and in cooperation with DSWCD.

- A perpetual conservation easement is in place on 202 acres to protect and enhance deer habitat.

c. Elkhead Oak Savanna Restoration Project: A Service private stewardship grant was used to conduct treatments on this private land in cooperation with DSWCD.

- Treatments completed on 175 acres of oak savanna and oak woodland to remove exotic species to release the oaks. (Amy Horstman pers. comm. 2007)
- Restoration of 1.8 miles of instream habitat.

d. Environmental Quality Incentives Program: The Natural Resources Conservation Service worked with landowners through the Environmental Quality Incentives Program to implement projects through 2006.

- Continuation of tree planting, riparian development, wildlife habitat development, pasture management, and grazing management on approximately 2,700 acres.

e. Conservation Reserve Program (CRP), Continuous Conservation Reserve Program (CCRP) and Conservation Reserve Enhancement Program (CREP): The Farm Services

Agency worked with 20 landowners enrolled in CRP, CCRP and CREP to implement projects through 2006.

- Converting crops to native cover on 245 acres.
- Riparian planting of trees and shrubs on 1,090 acres.

f. DSWCD: Many projects were completed or are on-going in cooperation with DSWCD and others to provide funding to implement projects on private lands (Oregon Watershed Enhancement Board, Oregon State Weed Board, Douglas County, Title II). Projects include:

- Riparian fencing along more than 8,000 feet of streams.
- 16 acres of riparian planting.
- Three new ponds developed.
- 10 acres of oak woodland planting.

3. Douglas County

As previously discussed in the 2003-2005 Post-delisting Monitoring Report for the deer, there has been a change in the Douglas County land use restrictions in terms of the removal of the deer habitat overlay by the county. Originally, this was a building setback of 100 feet in Roseburg city limits and 50 foot setback in the rest of Douglas County. Vegetation removal could occur in the riparian areas and habitat was not protected. Currently, with this rule change, there is still a 50 foot setback in the entire county from a riparian area for building a structure and vegetation removal can still occur down to the creek or river. Therefore, removal of the overlay has no effect on deer populations (Cat Brown pers. comm.).

Residential developments within City of Sutherlin include:

- Mont Claire-18.6 acres, development continues to the present.
- Forest Heights-25.6 acres, development continues to the present.
- Cooper Creek Estates-11 acres, development continues to the present.
- 6th Street Heights-5.2 acres, development continues to the present.
- Quail Run-6.5 acres, development started in 2006.
- Daffodil-preliminary approval for development.
- Pear Lane- preliminary approval for development.
- North of Sutherlin-217 acres added to the Urban Growth Boundary (UGB), initial phase of annexation completed and continuing to plan a proposed residential development.

Additions for the city of Roseburg Urban Growth Boundary include:

- Ramp Canyon-680 acres; development is underway with new housing units planned.
- Charter Oaks-350 acres
- Page Road-100 acres
- Dixonville-350 acres

Ramp Canyon currently has good deer habitat with housing developments planned for 2006 and beyond. Charter Oaks, Newton Creek and Page Road have existing housing developments and will be annexed in to the city of Roseburg. Dixonville has very little suitable deer habitat. This level of development should not affect the overall deer population. The deer continue to be present in the city limits and should continue to be present in the future, but deer carrying capacity should be reduced. With an estimated 197,000 acres of suitable habitat occupied by the

deer in Douglas County, the above acres affect less than one percent of the total suitable habitat (Cat Brown pers. comm.).

In summary, important habitats for the deer are being managed at key sites (NBHMA, Mildred Kanipe Memorial Park and private lands throughout the county). Some losses or changes in habitat condition and quality have been noted, but are not expected to have an effect on the overall deer population.

IV. NBHMA Hunt

In 2006, a controlled hunt, targeting buck deer, was conducted. A total of 68 tags were purchased by hunters with 57 hunters participating. A total of 17 buck deer were harvested. Twelve black-tailed deer were harvested during this hunt as well. Appendix A (Spreadsheet 6) and Appendix B (Figure 3) presents a summary of the hunt.

V. Deer Transplant

Currently, ODFW is transplanting deer from Douglas County into historic but unoccupied habitat west of Roseburg near the communities of Melrose and Winston; and in the Rice Valley area of northern Douglas County. Populations are being established on additional acreage which results in a net increase of occupied habitat. During 2006, a total of 64 deer were captured and relocated to areas where deer were released in previous years.

VI. Status of the deer based on the five factors considered when a species is proposed for listing

Section 4 of the Endangered Species Act specifies five factors to be considered in determining if a species is threatened or endangered; these same five factors were reviewed in determining that the Douglas County population of the deer merited removal from the list. In this section, we briefly review the status of the five factors.

1. The present or threatened destruction, modification, or curtailment of habitat or range.

In Section I. Population Trends and Section V. Deer Transplant, deer population numbers are showing a strong upward trend through 2006. The current deer population estimate is 6,576. Section III Habitat Status and Section V Deer Transplant show that habitat continues to be managed for the benefit of the deer, and that new habitats are being made available through the transplant program. No new threats to habitat or range are apparent.

2. Overutilization for commercial, recreational, scientific, or educational purposes.

In Section IV, ODFW allowed the harvest of 17 deer of the population in 2006. This number of deer harvest is unlikely to affect the health of the population.

3. Disease or predation.

In Section II. Disease Occurrence and Disease Outbreak Early Alert System, we reported that adenovirus hemorrhagic disease and deer hair-loss syndrome disease are not currently

threatening to the deer population. Chronic wasting disease has not been detected in Oregon, and poses no threat at this time.

4. Inadequacy of existing regulatory mechanisms.

No threats associated with this factor are apparent. Existing regulatory mechanisms are in place to manage a controlled deer harvest. Land use planning regulations are in place in Douglas County.

5. Other natural or manmade factors affecting its continued existence.

At this time, no other factors are identified as a concern to the deer population.

VII. Conclusion

Based on information presented in this monitoring report, we conclude that the threats to the deer discussed do not cause concern, and we conclude that the deer in Douglas County remains secure absent the protections provided by the Endangered Species Act. Therefore, the deer does not warrant listing at this time.

Literature cited

U.S. Fish and Wildlife Service. 2006. Post-delisting Monitoring Plan for the Douglas County Distinct Population Segment of the Columbian White-tailed Deer (*Odocoileus virginianus leucurus*). Portland, Oregon. 21 pp.

Personal Communication

Amy Horstman, Fish and Wildlife Biologist. U.S. Fish and Wildlife Service, OFWO. Portland, Oregon. Email communication, February 9, 2007.

Cat Brown, Fish and Wildlife Biologist. U.S. Fish and Wildlife Service, OFWO. Portland, Oregon. Email communication, April 5, 2006. Providing comments from Steve Denney, Oregon Department of Fish and Wildlife. Roseburg, Oregon.

Tod Lum, Wildlife Biologist, Oregon Department of Fish and Wildlife, Roseburg, Oregon. Email communication, 2007.

Appendix A. Figures

Figure 1: Deer Population Estimate 1975-2006

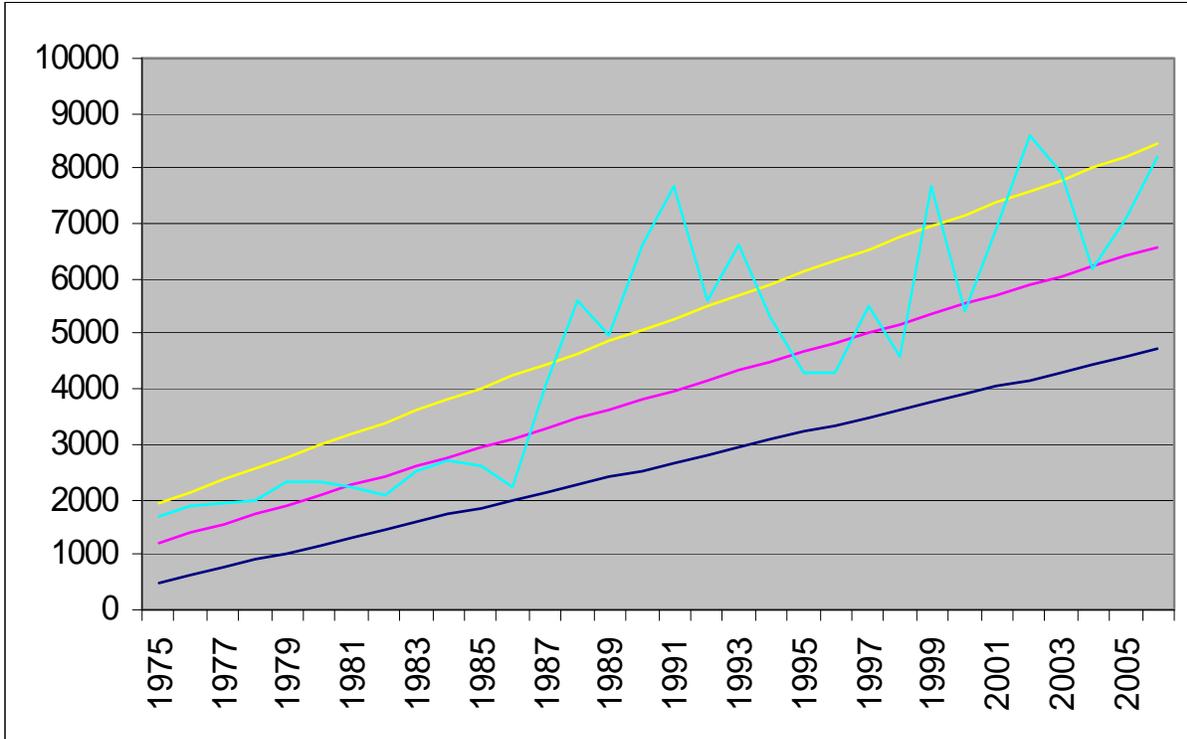


Figure 2. Current Estimated Range of Douglas County Population of Columbian white-tailed deer based on information provided by Oregon Department of Fish and Wildlife. (T. Lum pers. comm. 2007)

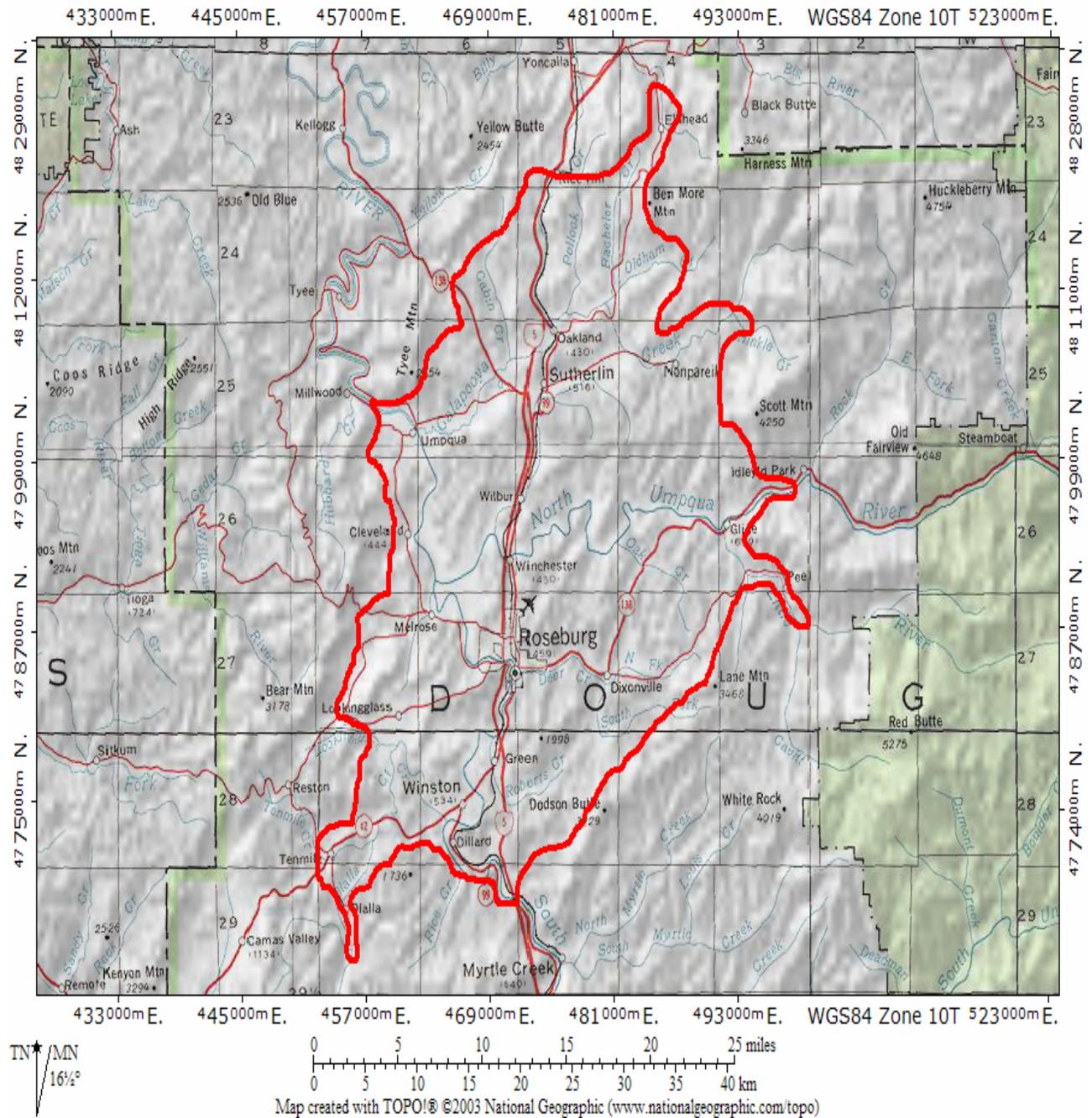
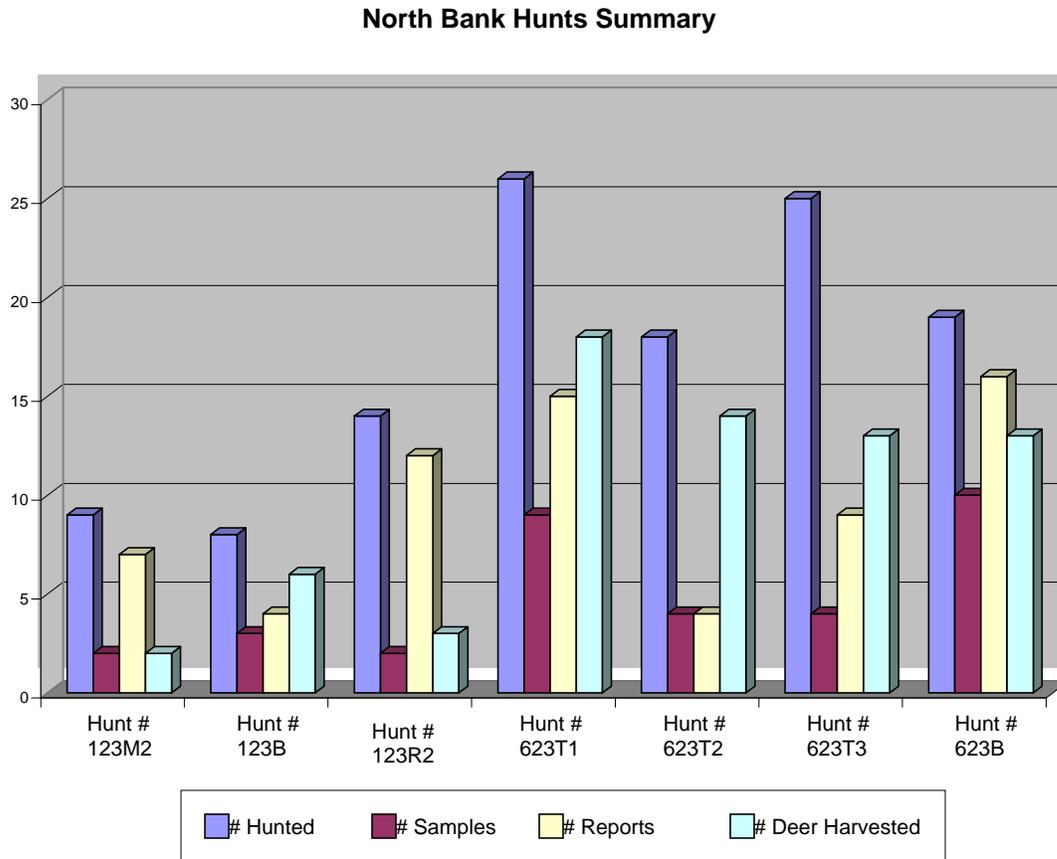


Figure 3. North Bank Habitat Management Area Deer Hunt 2006 Summary¹



¹ Hunts # 623T2, 623T3, 623B do not include CWTD in the bag limit. (T. Lum, pers. comm. 7-18-07)

Appendix B. Spreadsheets

Spreadsheet 1: 2006 Deer Comparisons								UMPQUA WATERSHED ROSEBURG DISTRICT										
2006	DEER	COMP.						12/13/2006										
Yes	Medford	Data Included																
UNIT	BY UNIT	TOTAL																
		UNIT					BUCK			CLASS	PER 100 DOES	PER 100 DOES	PER 100 ADULTS	UNC.	HAIRLOSS			
UNIT	SPECIES	NAME	1	2	3	4	5	TOTAL	DOES	FAWNS	TOTAL	BUCKS	FAWNS	FAWNS	DEER	NO. / %		
21	BTD	INDIGO	5	16	15	10		46	82	33	160	56.1	39.0	25.0	21	0/0		
	CWTD				1			1	12	3	16	8.3	25.0	23.1	-	0/0		
22	BTD	DIXON	9	23	19	6		57	206	39	302	2.7	18.9	14.8	26	0/0		
	CWTD		1	3				4	17	3	24	23.5	17.6	14.3	-	0/0		
23	BTD	MELROSE	12	34	17	4		67	241	137	745	12.4	25.3	25.5	136	1/1		
	CWTD		7	18	18	5		48	232	46	326	20.7	19.8	16.4	-	0/0		
24	BTD	TIOGA		7	2			9	50	5	64	18.0	10.0	8.5	19	0/0		
25	BTD	POWERS	1	5				6	50	5	61	12.0	10.0	8.9	6	0/0		
26	BTD	SIUSLAW	0	6	4	1		11	28	13	52	39.3	46.4	33.3	18			
		TOTAL																
		UNIT					BUCK			CLASS	PER 100 DOES	PER 100 DOES	PER 100 ADULTS	UNC.	HAIRLOSS			
UNIT	SPECIES	NAME	1	2	3	4	5	TOTAL	DOES	FAWNS	TOTAL	BUCKS	FAWNS	FAWNS	DEER	NO. / %		
	BTD		27	9	57	21		196	957	231	1384	20.5	24.1	20	226	1/0.07		
	CWTD		8	21	19	5		53	261	52	366	20.3	19.9	16.6	-	7/1.9		

Spreadsheet 2. 2006 Deer Spring Trends

SPECIES	DATE	UNIT	ROUTE	ADULTS	FAWNS	UN-CLASS	TOT	FAWNS/ 100 ADULTS	MI.	DEER/ MILE	Deer with/Hair Loss	Hair Loss %
CWTD	3/7/06	Melrose	JH/DH-Carnes Rd.	20	6	0	26	30.0	10	2.6	0	10.0
	3/20/06	JH/DH	Page/Sunshine	46	18	0	64	39.1	20	3.2	2	3.1
	3/13/06	TL/L	Oakhill	9	5	0	14	55.6	20	0.7	0	6.3
	3/5/06	MA/PD	Elkhead	4	5	0	9	125	20	0.5	0	0.0
	3/12/06	MA/PD/J D	Scott Valley	0	0	0	0	0.0	10	0.0	0	0.0
	3/23-27/06	TF/GM	N. Bank	147	24	13	184	16.3	20	9.2	7	3.8
		Melrose	TOTAL	341	92	28	461	27.0	100	4.6	9	2.0
CWTD	3/5/0	Indigo	MAJR-NonPareil	12	8	0	20	66.7	20	1.0	1	5.0
			Ben More Mtn	1	0	0	1	0	20	0.1	0	0
	4/14/06	MA/PD	Scott Mtn.	0	0	0	0	0	20	0.0	0	0.0
		Indigo	TOTAL	13	8	0	21	42.0	60	0.4	1	4.8
CWTD		Dixon	Buckhorn	58	14	1	73	24.1	20	3.7	12	16.4
		Dixon	TOTAL	58	14	1	73	24.1	20	3.7	12	16.4
CWTD	ALL	UNITS	TOTAL	412	114	29	555	27.7	160	3.5	22	4.0
CWTD	3/13/06	Melrose	Brockaway	4	0	0	4	0.0	20	0.2	0	0
	3/29/06		Metz Hill	4	0	0	4	0.0	20	0.2	0	0

Spreadsheet 3. Spring Deer Count 1975-2006

Date	Deer/Mile
1975	1.7
1976	1.9
1977	1.95
1978	2
1979	2.3
1980	2.3
1981	2.2
1982	2.1
1983	2.5
1984	2.7
1985	2.6
1986	2.2
1987	4.1
1988	5.6
1989	5
1990	6.6
1991	7.7
1992	5.6
1993	6.6
1994	5.3
1995	4.3
1996	4.3
1997	5.5
1998	4.6
1999	7.7
2000	5.4
2001	6.9
2002	8.6
2003	7.9
2004	6.2
2005	7.1
2006	8.2

This data set is derived from total Columbian white-tailed deer counted in the district divided by 47.5 miles (core route mileage)

Spreadsheet 4. Fall Buck to Doe and Fawn to Doe Ratios 1980-2006

YEAR	CWTD buck/100 does based on fall compositional counts	CWTD fawns/100 does based on fall compositional counts
1980	10	57
1981	57	48
1982	0	50
1983	18	30
1984	24	47
1985	16	71
1986	22	49
1987	31	42
1988	19	31
1989	21	31
1990	28	36
1991	30	36
1992	29	35
1993	29	44
1994	26	45
1995	21	44
1996	22	23
1997	22	33
1998	17	20
1999	32	35
2000	30	41
2001	22	34
2002	24	34
2003	22	25
2004	22	23
2005	20	14
2006	20	20

Spreadsheet 5. Deer Population Trends 1975-2006

CWTD trend data and regression w/ CI - rescaled to match 1978 estimate of 2000 deer

YEAR	YEAR2	COUNT	lower-cc	cal-count	upper-cc	cnt-rescale	lower-est	Pop-est	upper-est
1975	1	1.7	0.6968569	1.6215909	2.546325	1700	567	1319	2071
1976	2	1.9	0.8412708	1.812456	2.7836412	1900	684	1474	2264
1977	3	1.95	0.9856848	2.0033211	3.0209574	1950	802	1629	2457
1978	4	2	1.1300987	2.1941862	3.2582737	2000	919	1784	2650
1979	5	2.3	1.2745127	2.3850513	3.4955899	2300	1036	1940	2843
1980	6	2.3	1.4189267	2.5759164	3.7329062	2300	1154	2095	3036
1981	7	2.2	1.5633406	2.7667815	3.9702224	2200	1271	2250	3229
1982	8	2.1	1.7077546	2.9576466	4.2075387	2100	1389	2405	3422
1983	9	2.5	1.8521685	3.1485117	4.4448549	2500	1506	2560	3615
1984	10	2.7	1.9965825	3.3393768	4.6821712	2700	1624	2716	3808
1985	11	2.6	2.1409965	3.5302419	4.9194874	2600	1741	2871	4001
1986	12	2.2	2.2854104	3.721107	5.1568037	2200	1859	3026	4194
1987	13	4.1	2.4298244	3.9119721	5.3941199	4100	1976	3181	4387
1988	14	5.6	2.5742383	4.1028372	5.6314361	5600	2093	3337	4580
1989	15	5	2.7186523	4.2937023	5.8687524	5000	2211	3492	4773
1990	16	6.6	2.8630663	4.4845674	6.1060686	6600	2328	3647	4966
1991	17	7.7	3.0074802	4.6754326	6.3433849	7700	2446	3802	5159
1992	18	5.6	3.1518942	4.8662977	6.5807011	5600	2563	3957	5352
1993	19	6.6	3.2963081	5.0571628	6.8180174	6600	2681	4113	5545
1994	20	5.3	3.4407221	5.2480279	7.0553336	5300	2798	4268	5738
1995	21	4.3	3.5851361	5.438893	7.2926499	4300	2916	4423	5931
1996	22	4.3	3.72955	5.6297581	7.5299661	4300	3033	4578	6124
1997	23	5.5	3.873964	5.8206232	7.7672824	5500	3150	4733	6317
1998	24	4.6	4.0183779	6.0114883	8.0045986	4600	3268	4889	6509
1999	25	7.7	4.1627919	6.2023534	8.2419148	7700	3385	5044	6702
2000	26	5.4	4.3072059	6.3932185	8.4792311	5400	3503	5199	6895
2001	27	6.9	4.4516198	6.5840836	8.7165473	6900	3620	5354	7088
2002	28	8.6	4.5960338	6.7749487	8.9538636	8600	3738	5510	7281
2003	29	7.9	4.7404477	6.9658138	9.1911798	7900	3855	5665	7474
2004	30	6.2	4.8848617	7.1566789	9.4284961	6200	3972	5820	7667
2005	31	7.1	5.0292757	7.347544	9.6658123	5450	4090	5975	7860
2006	32	8.2	5.1736896	7.5384091	9.9031286	6760	4207	6130	8053

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.8708171
R Square	0.7583224
Adjusted R Square	0.7502665
Standard Error	1.118752
Observations	32

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	117.816699	117.8167	94.13231	9.21E-11
Residual	30	37.548222	1.251607		
Total	31	155.364921			

Appendix C. Adenovirus Test Results from Douglas County, Oregon 2003-2006.

Sera samples collected from deer species in Douglas County, Oregon for Adenovirus testing, 2003-2006														
Information based on samples received at the Wildlife Population Lab														
Note: The adenovirus data: anything greater than 8 means there was some exposure to AHD. Some samples are VERY high and may have been taken from sick/dead deer. (T.Lum pers. comm. 7-18-07)														
Species	Gender	Collection Year	Date	Unit Number	Unit Name	County	T	R	S	Original Number	Tracking Number	Age	AHD Results	Comments
BT	F	2003	11/23/03	23	Melrose	Douglas	22S	08W	26	AHD137R	148	Adult	<1:8	
BT	M	2003	12/09/03	23	Melrose	Douglas	24S	05W	10	AHD140R	149	Fawn	1:8	
BT	F	2003	11/29/03	23	Melrose	Douglas	29S	06W	16	AHD138R	150	Adult	<1:8	
WT	M	2004	01/07/04	23	Melrose	Douglas	26S	06W	25	AHD142R	151	Fawn	<1:8	
WT	M	2004	01/19/04	22	Dixon	Douglas	27S	04W	7	AHD143R	152	Adult	NT-T	
WT	M	2003	12/17/03	21	Indigo	Douglas	25S	04W	2	AHD141R	153	Adult	<1:8	
BT	M	2003	10/05/03	22	Dixon	Douglas	31S	02E	4	22S2MV	179	Adult	1:32	
BT	F	2003	01/24/00	24	Tioga	Douglas	22S	08W	26	AHD132R	213	Adult	1:128	
WT	F	2003	11/05/03	23	Melrose	Douglas	26S	04W	7	AHD133R	214	Adult	>= 1:512	
BT	M	2003	11/04/03	23	Melrose	Douglas	25S	06W	34	AHD135R	215	Adult	>= 1:512	
BT	M	2003	11/20/03	23	Melrose	Douglas	27S	05W	15	AHD136R	216	Adult	<1:8	
BT	M	2003	11/02/03	23	Melrose	Douglas	25S	06W	34	AHD134R	217	Adult	<1:8	
BT	M	2003	10/04/03	22	Dixon	Douglas	27S	04W	23	AHD124R	218	Adult	NT-T	
WT	F	2003	09/25/03	23	Melrose	Douglas	26S	06W	27	AHD120R	219	Adult	>= 1:512	
BT	F	2003	10/26/03	24	Tioga	Douglas	22S	08W	26	AHD127R	220	Adult	1:16	
BT	M	2003	10/07/03	23	Melrose	Douglas	27S	05W	15	AHD126R	221	Adult	<1:8	
BT	F	2003	09/29/03	23	Melrose	Douglas	29S	06W	28	AHD122R	222	Adult	<1:8	
BT	F	2003	10/29/03	23	Melrose	Douglas	23S	05W	32	AHD128R	223	Adult	<1:8	
WT	F	2003	09/19/03	23	Melrose	Douglas	26S	04W	18	AHD119R	224	Adult	1:512	
BT	F	2003	09/29/03	23	Melrose	Douglas	29S	06W	28	AHD123R	225	Adult	>= 1:512	
BT	F	2003	10/12/03	23	Melrose	Douglas	27S	06W	26	AHD130R	226	Adult	>= 1:512	

		Collection		Unit	Unit					Original	Tracking		AHD	
Species	Gender	Year	Date	Number	Name	County	T	R	S	Number	Number	Age	Results	Comments
BT	F	2003	09/30/03	23	Melrose	Douglas	25S	04W	31	AHD121R	227	Adult	<1:8	
BT	M	2003	10/30/03	23	Melrose	Douglas	25S	06W	34	AHD131R	228	Adult	>=1:512	
BT	F	2003	11/02/03	23	Melrose	Douglas	28S	06W	9	AHD129R	229	Adult	>=1:512	
BT	M	2003	09/19/03	23	Melrose	Douglas	25S	04W	3	AHD118R	230	Adult	1:32	
WT	M	2003	10/06/03	23	Melrose	Douglas	26S	06W	23	AHD125R	231	Adult	1:256	
BT	F	2003	09/18/03	23	Melrose	Douglas	26S	06W	29	117R	254	Fawn	1:512	
BT	M	2003	09/16/03	23	Melrose	Douglas	25S	04W	7	116R	255	Fawn	NT-IS	
BT	F	2003	09/15/03	23	Melrose	Douglas	27S	06W	16	115R	256	Fawn	1:128	
BT	M	2004	08/22/04	23	Melrose	Douglas	28S	06W	5	151R	279	Fawn	<1:8	Rehab fawm
BT	M	2004	08/22/04	23	Melrose	Douglas	28S	06W	5	152R	280	Fawn	<1:8	Rehab fawm
BT	F	2004	08/22/04	23	Melrose	Douglas	28S	06W	5	153R	281	Fawn	<1:8	Rehab fawm
BT	M	2003	07/22/03	23	Melrose	Douglas	29S	07W	9	114R	317	Adult	1:8	
WT	F	2004	12/21/04	23	Melrose	Douglas	26S	06W	25	197R	395	Adult	1:64	
WT	M	2004	12/06/04	23	Melrose	Douglas	27S	05W	4	191R	396	Adult	1:8	
WT	F	2004	12/14/04	23	Melrose	Douglas	26S	06W	25	194R	397	Adult	1:16	
WT	M	2004	12/02/04	23	Melrose	Douglas	27S	05W	18	189R	398	Adult	<1:8	
WT	M	2004	12/03/04	23	Melrose	Douglas	27S	05W	4	190R	399	Adult	1:8	
BT	M	2004	12/16/04	23	Melrose	Douglas	26S	06W	19	196R	400	Adult	1:16	
BT	F	2004	11/29/04	23	Melrose	Douglas	25S	06W	34	188R	401	Adult	1:32	
BT	M	2004	11/22/04	23	Melrose	Douglas	26S	06W	19	185R	402	Adult	1:256	
WT	F	2004	12/15/04	23	Melrose	Douglas	26S	06W	25	195R	403	Adult	1:64	
WT	F	2004	11/24/04	23	Melrose	Douglas	26S	06W	25	186R	404	Adult	1:64	
BT	F	2004	11/30/04	23	Melrose	Douglas	27S	05W	15	187R	405	Adult	1:64	
BT	F	2004	11/17/04	23	Melrose	Douglas	27S	05W	15	183R	406	Adult	1:256	
WT	M	2004	12/09/04	23	Melrose	Douglas	26S	06W	25	193R	407	Adult	1:16	
WT	F	2004	12/08/04	23	Melrose	Douglas	27S	05W	13	192R	408	Adult	1:256	
WT	M	2004	11/18/04	23	Melrose	Douglas	27S	06W	13	184R	409	Adult	1:8	
BT	M	2004	11/17/04	23	Melrose	Douglas	26S	06W	29	182R	410	Adult	<1:8	
BT	F	2004	10/09/04	23	Melrose	Douglas	29S	06W	12	163R	411	Adult	<1:8	
BT	M	2004	10/03/04	23	Melrose	Douglas	29S	06W	12	158R	412	Adult	>=1:512	
BT	F	2004	10/08/04	21	Indigo	Douglas	25s	05W	12	161R	413	Adult	<1:8	

		Collection		Unit	Unit					Original	Tracking		AHD	
Species	Gender	Year	Date	Number	Name	County	T	R	S	Number	Number	Age	Results	Comments
BT	F	2004	10/02/04	24	Tioga	Douglas	22S	08W	26	162R	414	Adult	<1:8	
BT	M	2004	10/14/04	23	Melrose	Douglas	26S	05W	16	164R	415	Adult	1:32	
BT	F	2004	10/15/04	24	Tioga	Douglas	22S	08W	26	159R	416	Adult	<1:8	
BT	M	2004	10/06/04	24	Tioga	Douglas	22S	08W	26	161R	417	Adult	<1:8	
BT	F	2004	09/25/04	23	Melrose	Douglas	29S	06W	12	157R	418	Adult	1:64	
BT	M	2004	10/20/04	23	Melrose	Douglas	26S	05W	16	161R	419	Adult	1:256	
BT	M	2004	02/18/04	23	Melrose	Douglas	28S	06W	2	144R	420	Fawn	1:512	
BT	F	2004	04/09/04	23	Melrose	Douglas	27S	06W	21	145R	421	Adult	<1:8	
BT	F	2004	06/21/04	23	Melrose	Douglas	26S	06W	14	146R	422	Adult	1:128	
WT	F	2004	07/21/04	23	Melrose	Douglas	27S	05W	7	147R	423	Adult	1:256	
BT	F	2004	07/30/04	21	Indigo	Douglas	27S	05E	3	148R	424	Fawn	<1:8	
BT	F	2004	08/09/04	23	Melrose	Douglas	26S	06W	20	149R	425	Fawn	<1:8	
BT	F	2004	08/18/04	23	Melrose	Douglas	25S	06W	5	150R	426	Fawn	<1:16 T	
BT	F	2004	08/30/04	23	Melrose	Douglas	29S	06W	12	154R	427	Adult	<1:8	
BT	M	2004	10/21/04	23	Melrose	Douglas	25S	06W	27	165R	428	Adult	<1:8	
BT	F	2004	10/15/04	24	Tioga	Douglas	22S	08W	26	160R	429	Adult	<1:8	
BT	F	2004	10/18/04	23	Melrose	Douglas	27S	06W	26	160R	430	Adult	1:64	
BT	F	2004	09/08/04	23	Melrose	Douglas	29S	06W	12	156R	431	Adult	1:128	
WT	M	2004	10/28/04	23	Melrose	Douglas	26S	06W	28	168R	433	Adult	<1:8	
BT	F	2004	11/10/04	23	Melrose	Douglas	23S	07W	8	178R	434	Adult	1:16	
WT	M	2004	11/09/04	23	Melrose	Douglas	27S	05W	20	177R	435	Adult	<1:8	
BT	M	2004	11/16/04	21	Indigo	Douglas	27S	04E	6	181R	436	Adult	<1:8	
BT	M	2004	10/29/04	22	Dixon	Douglas	27S	04W	7	171R	437	Adult	1:8	
BT	M	2004	10/28/04	23	Melrose	Douglas	25S	06W	34	170R	438	Adult	<1:8	
WT	F	2004	10/27/04	23	Melrose	Douglas	26S	06W	29	166R	439	Adult	1:128	
BT	M	2004	10/28/04	29	Evans Creek	Douglas	30S	04W	22	169R	440	Adult	1:512	
BT	F	2004	10/29/04	21	Indigo	Douglas	26S	03W	3	172R	441	Adult	<1:8	
BT	F	2004	10/27/04	23	Melrose	Douglas	27S	05W	23	167R	442	Adult	<1:8	
BT	M	2004	11/03/04	23	Melrose	Douglas	25S	06W	34	174R	443	Adult	<1:8	
BT	M	2004	11/08/04	23	Melrose	Douglas	23S	07W	8	176R	444	Adult	<1:16 T	
BT	F	2004	11/08/04	21	Indigo	Douglas	26S	06W	29	175R	445	Adult	NT-T	
BT	F	2004	11/10/04	23	Melrose	Douglas	23S	07W	8	179R	446	Adult	NT-IT	
WT	F	2004	11/15/04	23	Melrose	Douglas	27S	05W	13	180R	447	Adult	1:16	

		Collection		Unit	Unit					Original	Tracking		AHD	
Species	Gender	Year	Date	Number	Name	County	T	R	S	Number	Number	Age	Results	Comments
WT	M	2005	03/25/05	23	Melrose	Douglas	26S	05W	21	243R	467	Adult	<1:8	
WT	F	2005	03/25/05	23	Melrose	Douglas	26S	05W	21	242R	468	Fawn	<1:8	
WT	M	2005	03/25/05	23	Melrose	Douglas	26S	05W	21	241R	469	Adult	1:32	
WT	M	2005	03/25/05	23	Melrose	Douglas	26S	05W	21	240R	470	Adult	<1:8	
WT	F	2005	02/24/05	23	Melrose	Douglas	26S	06W	29	226R	471	Adult	1:16	
WT	F	2005	02/10/05	23	Melrose	Douglas	26S	05W	20	217R	472	Adult	<1:8	
WT	F	2005	02/10/05	23	Melrose	Douglas	27S	05W	10	219R	473	Fawn	<1:8	
WT	F	2005	02/24/05	23	Melrose	Douglas	26S	06W	29	227R	474	Adult	<1:8	
WT	F	2005	02/24/05	23	Melrose	Douglas	26S	06W	29	228R	475	Adult	1:32	
WT	F	2005	01/12/05	23	Melrose	Douglas	26S	05W	49	203R	476	UNK	<1:8	
WT	F	2005	02/10/05	23	Melrose	Douglas	27S	05W	10	218R	477	Adult	<1:8	
WT	F	2005	02/10/05	23	Melrose	Douglas	27S	05W	10	220R	478	Adult	<1:8	
WT	M	2005	02/03/05	23	Melrose	Douglas	26S	05W	15	215R	479	Adult	<1:8	
WT	M	2005	02/24/05	23	Melrose	Douglas	26S	06W	29	229R	480	Adult	<1:8	
WT	F	2005	02/10/05	23	Melrose	Douglas	27S	05W	10	221R	481	Adult	1:32	
WT	F	2005	01/12/05	22	Dixon	Douglas	26S	03W	19	204R	482	Adult	<1:8	
WT	F	2005	01/11/05	22	Dixon	Douglas	26S	03W	19	201R	483	Adult	<1:8	
WT	M	2005	02/01/05	23	Melrose	Douglas	26S	05W	20	214R	484	Adult	<1:8	
WT	F	2005	02/03/05	23	Melrose	Douglas	26S	05W	15	216R	485	Adult	1:32	
WT	F	2005	01/11/05	23	Melrose	Douglas	26S	05W	23	202R	486	UNK	<1:8	
WT	M	2005	01/18/05	23	Melrose	Douglas	26S	06W	25	206R	487	Adult	1:8	
WT	M	2005	01/18/05	23	Melrose	Douglas	26S	06W	25	207R	488	Adult	<1:8	
WT	F	2005	01/07/05	22	Dixon	Douglas	26S	03W	19	200R	489	Adult	<1:8	
WT	F	2005	01/26/05	23	Melrose	Douglas	26S	05W	20	210R	490	Adult	<1:8	
WT	F	2005	01/26/05	23	Melrose	Douglas	26S	05W	20	209R	491	Adult	1:16	
WT	F	2005	01/18/05	23	Melrose	Douglas	26S	06W	25	208R	492	Fawn	1:16	
WT	F	2004	12/23/04	22	Dixon	Douglas	26S	06W	10	198R	493	Adult	<1:8	
WT	F	2005	01/18/05	23	Melrose	Douglas	26S	05W	22	205R	494	Adult	1:8	
WT	F	2005	01/07/05	22	Dixon	Douglas	26S	03W	19	199R	495	Adult	<1:8	
WT	F	2005	01/27/05	23	Melrose	Douglas	26S	05W	20	212R	496	Adult	1:16	
WT	F	2005	02/17/05	23	Melrose	Douglas	26S	05W	20	222R	497	Adult	<1:8	
WT	F	2005	03/02/05	23	Melrose	Douglas	27S	05W	10	230R	498	Fawn	NT-IS	
WT	M	2005	03/02/05	23	Melrose	Douglas	27S	05W	10	233R	499	Fawn	<1:8	

		Collection		Unit	Unit					Original	Tracking		AHD	
Species	Gender	Year	Date	Number	Name	County	T	R	S	Number	Number	Age	Results	Comments
WT	F	2005	03/02/05	23	Melrose	Douglas	27S	05W	10	232R	500	Adult	<1:8	
WT	F	2005	02/23/05	23	Melrose	Douglas	26S	05W	20	225R	501	Adult	<1:8	
WT	F	2005	01/28/05	23	Melrose	Douglas	27S	05W	4	213R	502	Adult	<1:8	
WT	F	2005	03/02/05	23	Melrose	Douglas	27S	05W	10	236R	503	Adult	<1:8	
WT	F	2005	03/02/05	23	Melrose	Douglas	27S	05W	10	234R	504	Fawn	1:16	
WT	M	2005	02/17/05	23	Melrose	Douglas	26S	05W	20	223R	505	Adult	1:16	
WT	M	2005	03/03/05	23	Melrose	Douglas	27S	05W	7	239R	506	Adult	<1:8	
WT	F	2005	03/02/05	23	Melrose	Douglas	27S	05W	10	235R	507	Fawn	<1:8	
WT	F	2005	02/22/05	23	Melrose	Douglas	26S	05W	20	224R	508	Fawn	1:32	
WT	M	2005	03/03/05	23	Melrose	Douglas	27S	05W	7	238R	509	Adult	<1:8	
WT	F	2005	01/27/05	23	Melrose	Douglas	26S	06W	29	211R	510	Adult	<1:8	
WT	M	2005	03/03/05	23	Melrose	Douglas	27S	05W	7	237R	511	Adult	<1:8	
WT	F	2005	03/02/05	23	Melrose	Douglas	27S	05W	10	231R	512	Adult	1:256	
BT	F	2005	Fall 05	23	Melrose	Douglas	29S	6W	16	259R	516	Adult	NT-T	
BT	M	2005	11/17/05	23	Melrose	Douglas	27S	5W	23	262R	517	Adult	1:8	
WT	F	2005	12/09/05	23	Melrose	Douglas	26S	5W	21	281R	518	Fawn	1:4096	
WT	M	2005	11/25/05	23	Melrose	Douglas	26S	5W	20	267R	519	Adult	1:8	
BT	F	2005	12/09/05	23	Melrose	Douglas	27S	5W	15	278R	520	Adult	<1:8	
WT	F	2005	12/13/05	23	Melrose	Douglas	26S	5W	20	282R	521	Adult	<1:8	
WT	F	2005	11/22/05	23	Melrose	Douglas	26S	6W	29	264R	522	Fawn	1:16	
WT	M	2005	11/23/05	23	Melrose	Douglas	26S	6W	20	265R	523	Adult	<1:8	
BT	F	2005	11/28/05	23	Melrose	Douglas	27S	5W	15	269R	524	Adult	1:8	
BT	M	2005	11/23/05	23	Melrose	Douglas	25S	6W	27	266R	525	Adult	<1:8	
WT	M	2005	11/29/05	23	Melrose	Douglas	26S	6W	29	270R	526	Adult	<1:8	
WT	M	2005	12/09/05	23	Melrose	Douglas	27S	5W	16	279R	527	Adult	<1:8	
WT	F	2005	12/08/05	23	Melrose	Douglas	26S	6W	29	276R	528	Adult	<1:8	
WT	F	2005	12/08/05	23	Melrose	Douglas	26S	6W	29	277R	529	Adult	1:16	
BT	F	2005	11/28/05	23	Melrose	Douglas	27S	5W	15	268R	530	Adult	1:16	
WT	M	2005	12/09/05	23	Melrose	Douglas	27S	5W	7	274R	531	Adult	1:32	
WT	F	2005	12/09/05	23	Melrose	Douglas	26S	5W	20	280R	532	Fawn	<1:8	
WT	F	2005	12/08/05	23	Melrose	Douglas	26S	6W	29	275R	533	Fawn	<1:8	
WT	M	2005	12/07/05	23	Melrose	Douglas	26S	5W	20	273R	534	Fawn	<1:8	
WT	F	2005	12/14/05	23	Melrose	Douglas	26S	5W	20	283R	535	Adult	<1:8	

		Collection		Unit	Unit					Original	Tracking		AHD	
Species	Gender	Year	Date	Number	Name	County	T	R	S	Number	Number	Age	Results	Comments
WT	F	2005	12/28/05	23	Melrose	Douglas	27S	5W	7	290R	536	Fawn	<1:8	
WT	F	2006	01/12/06	23	Melrose	Douglas	26S	5W	17	296R	537	Fawn	<1:8	
WT	M	2006	01/10/06	23	Melrose	Douglas	26S	5W	21	295R	538	Adult	<1:8	
WT	F	2006	01/12/06	23	Melrose	Douglas	26S	5W	17	297R	539	Adult	1:512	
WT	M	2005	12/28/05	23	Melrose	Douglas	27S	5W	7	287R	540	Adult	<1:8	
WT	F	2005	12/28/05	23	Melrose	Douglas	27S	5W	7	291R	541	Adult	<1:8	
WT	F	2006	01/03/06	23	Melrose	Douglas	26S	6W	19	292R	542	Adult	<1:8	
WT	F	2005	12/19/05	23	Melrose	Douglas	26S	4W	18	285R	543	Adult	<1:8	
WT	F	2005	12/19/05	23	Melrose	Douglas	26S	4W	18	285R	544	Adult	<1:8	
WT	M	2006	01/05/06	23	Melrose	Douglas	26S	5W	25	294R	545	Adult	<1:8	
WT	F	2005	12/28/05	23	Melrose	Douglas	27S	5W	7	289R	546	Adult	<1:8	
WT	F	2005	12/19/05	23	Melrose	Douglas	26S	4W	18	284R	547	Adult	<1:8	
WT	F	2005	12/28/05	23	Melrose	Douglas	27S	5W	7	288R	548	Adult	<1:8	
WT	F	2005	12/19/05	23	Melrose	Douglas	26S	4W	18	286R	549	Fawn	<1:8	
WT	F	2005	11/17/05	23	Melrose	Douglas	26S	6W	10	260R	550	Adult	<1:8	
BT	F	2005	11/04/05	23	Melrose	Douglas	27S	5W	23	252R	551	Fawn	<1:8	
BT	M	2005	11/16/05	23	Melrose	Douglas	25S	6W	34	261R	552	Adult	NT-T	
BT	F	2005	Fall 05	23	Melrose	Douglas	29S	6W	16	258R	553	Adult	NT-T	
BT	M	2005	Fall 05	23	Melrose	Douglas	29S	6W	16	256R	554	Adult	NT-T	
WT	M	2005	12/09/05	23	Melrose	Douglas	27S	5W	16	279R	555	Adult	<1:8	
WT	M	2005	09/28/05	23	Melrose	Douglas	27S	5W	16	244R	556	Adult	<1:8	
BT	M	2005	Fall 05	23	Melrose	Douglas	29S	6W	16	257R	557	Adult	<1:8	
BT	F	2005	11/05/05	23	Melrose	Douglas	27S	5W	15	253R	558	Adult	<1:8	
WT	F	2005	12/07/05	23	Melrose	Douglas	26S	5W	20	272R	559	Fawn	<1:8	
WT	M	2005	11/09/05	23	Melrose	Douglas	26S	4W	28	255R	560	Adult	1:16	
BT	F	2005	Fall 05	23	Melrose	Douglas				249R	561	Adult	1:4096	
WT	M	2005	11/08/05	23	Melrose	Douglas	26S	5W	11	254R	562	Adult	1:32	
BT	M	2005	10/21/05	23	Melrose	Douglas	28S	5W	12	248R	563	Adult	1:8	
BT	F	2005	Fall 05	23	Melrose	Douglas				250R	564	Adult	NT-T	
BT	M	2005	10/21/05	23	Melrose	Douglas	28S	5W	12	247R	565	Adult	<1:8	
BT	F	2005	10/10/05	23	Melrose	Douglas	26S	4W	21	246R	566	Adult	<1:8	
WT	F	2005	11/28/05	23	Melrose	Douglas	26S	5W	20	263R	567	Fawn	<1:8	
WT	F	2006	02/08/06	23	Melrose	Douglas	26S	6W	24	309R	617	Adult	<1:8	

		Collection		Unit	Unit					Original	Tracking		AHD	
Species	Gender	Year	Date	Number	Name	County	T	R	S	Number	Number	Age	Results	Comments
WT	F	2006	02/08/06	23	Melrose	Douglas	26S	6W	24	308R	618	Adult	<1:8	
WT	M	2006	02/21/06	23	Melrose	Douglas	26S	5W	20	315R	619	Adult	1:64	
WT	M	2006	02/14/06	23	Melrose	Douglas	26S	5W	22	313R	620	Adult	<1:8	
WT	M	2006	01/30/06	23	Melrose	Douglas	26S	6W	19	302R	621	Adult	1:8	
WT	F	2006	01/31/06	23	Melrose	Douglas	26S	5W	20	306R	622	Adult	<1:8	
BT	F	2006	01/19/06	23	Melrose	Douglas	27S	5W	18	298R	623	Adult	1:32	
WT	M	2006	02/08/06	23	Melrose	Douglas	26S	6W	24	311R	624	Fawn	<1:8	
WT	M	2006	01/30/06	23	Melrose	Douglas	26S	6W	19	303R	625	Adult	<1:8	
WT	M	2006	03/03/06	23	Melrose	Douglas	26S	6W	24	323R	626	Adult	<1:8	
WT	M	2006	02/21/06	23	Melrose	Douglas	26S	5W	20	314R	627	Adult	<1:8	
WT	M	2006	02/08/06	23	Melrose	Douglas	26S	6W	24	312R	628	Fawn	<1:8	
WT	F	2006	01/31/06	23	Melrose	Douglas	26S	5W	20	305R	629	Adult	<1:8	
WT	M	2006	01/19/06	23	Melrose	Douglas	27S	5W	18	299R	630	Adult	<1:8	
WT	M	2006	03/03/06	23	Melrose	Douglas	26S	6W	24	324R	631	Adult	<1:8	
WT	F	2006	02/22/06	23	Melrose	Douglas	27S	5W	7	316R	632	Adult	1:32	
WT	M	2006	03/03/06	23	Melrose	Douglas	26S	6W	24	321R	633	Adult	<1:8	
WT	F	2006	01/31/06	23	Melrose	Douglas	26S	5W	20	304R	634	Adult	1:8	
WT	F	2006	01/31/06	23	Melrose	Douglas	26S	5W	20	307R	635	Adult	1:16	
WT	F	2006	03/03/06	23	Melrose	Douglas	26S	6W	24	322R	636	Adult	<1:8	
WT	M	2006	02/08/06	23	Melrose	Douglas	26S	6W	24	310R	637	Fawn	<1:8	
WT	F	2006	01/20/06	23	Melrose	Douglas	26S	4W	18	301R	638	Adult	1:8	
WT	F	2006	01/20/06	23	Melrose	Douglas	26S	4W	18	300R	639	Adult	<1:8	
WT	F	2006	02/23/06	23	Melrose	Douglas	26S	5W	22	318R	640	Adult	1:16	
WT	F	2006	02/23/06	23	Melrose	Douglas	26S	5W	22	320R	641	Fawn	<1:8	
WT	F	2006	02/23/06	23	Melrose	Douglas	26S	5W	22	317R	642	Adult	<1:8	
WT	F	2006	03/16/06	23	Melrose	Douglas	26S	6W	1	329R	688	Adult	1:64	
WT	M	2006	03/15/06	23	Melrose	Douglas	26S	6W	16	327R	689	Adult	1:512	
WT	F	2006	03/16/06	23	Melrose	Douglas	26S	6W	1	332R	690	Adult	<1:8	
WT	F	2006	03/16/06	23	Melrose	Douglas	26S	6W	1	331R	691	Adult	1:64	
WT	M	2006	03/16/06	23	Melrose	Douglas	26S	6W	1	330R	692	Adult	<1:8	
WT	F	2006	03/21/06	23	Melrose	Douglas	26S	6W	19	334R	693	Adult	1:128	
WT	F	2006	03/16/06	23	Melrose	Douglas	26S	6W	1	333R	694	Adult	<1:8	
BT	F	2006	03/28/06	23	Melrose	Douglas	30S	2W	33	336R	695	Adult	<1:8	

		Collection		Unit	Unit					Original	Tracking		AHD	
Species	Gender	Year	Date	Number	Name	County	T	R	S	Number	Number	Age	Results	Comments
WT	F	2006	03/16/06	23	Melrose	Douglas	26S	6W	1	328R	696	Fawn	<1:8	
WT	M	2006	03/10/06	23	Melrose	Douglas	26S	5W	20	325R	697	Adult	<1:8	
WT	F	2006	03/10/06	23	Melrose	Douglas	26S	5W	20	326R	698	Adult	<1:8	
WT	M	2006	03/23/06	23	Melrose	Douglas	26S	5W	6	335R	699	Adult	<1:8	
WT	F	2006	11/14/06	23	Melrose	Douglas	26S	5W	6	357R	784	Adult	1:128	
WT	M	2006	12/26/06	23	Melrose	Douglas	27S	5W	6	363R	785	Adult	<1:8	
WT	F	2006	11/14/06	23	Melrose	Douglas	26S	5W	6	358R	786	Adult	<1:8	
WT	M	2006	11/29/06	23	Melrose	Douglas	27S	5W	18	355R	787	Adult	1:128	
WT	M	2006	11/29/06	23	Melrose	Douglas	27S	5W	18	354R	788	Adult	1:64	
BT	F	2006	11/29/06	23	Melrose	Douglas	27S	5W	18	350R	789	Adult	<1:8	
BT	F	2006	11/20/06	23	Melrose	Douglas	27S	6W	30	347R	790	Adult	<1:8	
BT	M	2006	11/20/06	23	Melrose	Douglas	27S	6W	30	346R	791	Adult	<1:8	
WT	F	2006	11/21/06	23	Melrose	Douglas	26S	6W	19	348R	792	Adult	1:128	
BT	M	2006	11/29/06	23	Melrose	Douglas	27S	5W	18	351R	793	Adult	<1:8	
WT	F	2006	11/30/06	23	Melrose	Douglas	26S	6W	19	353R	794	Adult	1:1024	
WT	M	2006	11/30/06	23	Melrose	Douglas	26S	6W	19	352R	795	Fawn	1:8	
WT	F	2006	11/21/06	23	Melrose	Douglas	26S	6W	19	349R	796	Adult	1:512	
WT	F	2006	11/14/06	23	Melrose	Douglas	26S	5W	6	356R	797	Adult	<1:8	
WT	F	2006	03/30/06	23	Melrose	Douglas	25S	5W	7	341R	798	Adult	<1:8	
WT	M	2006	03/30/06	23	Melrose	Douglas	25S	5W	7	342R	799	Fawn	<1:8	
WT	F	2006	03/30/06	23	Melrose	Douglas	25S	5W	7	339R	800	Fawn	<1:8	
WT	F	2006	03/29/06	23	Melrose	Douglas	26S	6W	10	337R	801	Adult	1:16	
BT	F	2006	09/23/06	23	Melrose	Douglas				343R	802	Adult	1:256	
BT	F	2006	11/20/06	23	Melrose	Douglas	27S	5W	23	345R	803	Adult	<1:8	
BT	F	2006	10/27/06	23	Melrose	Douglas	27S	5W	23	344R	804	Adult	<1:8	
WT	F	2006	03/30/06	23	Melrose	Douglas	25S	5W	7	340R	805	Adult	1:256	
WT	M	2006	03/30/06	23	Melrose	Douglas	26S	6W	27	338R	806	Fawn	<1:8	
BT	F	2006	12/28/06	23	Melrose	Douglas	28S	6W	4	365R	807	Adult	<1:8	
WT	F	2007	01/04/07	23	Melrose	Douglas	26S	6W	19	376R	808	Adult	1:256	
WT	F	2007	01/04/07	23	Melrose	Douglas	26S	6W	19	375R	809	Adult	<1:8	
WT	M	2007	01/18/07	23	Melrose	Douglas	26S	5W	21	380R	810	Adult	1:32	
WT	M	2006	12/27/06	23	Melrose	Douglas	26S	5W	30	366R	811	Fawn	<1:8	
BT	F	2006	12/30/06	23	Melrose	Douglas	27S	5W	23	371R	812	Adult	<1:8	

		Collection		Unit	Unit					Original	Tracking		AHD		
Species	Gender	Year	Date	Number	Name	County	T	R	S	Number	Number	Age	Results	Comments	
WT	F	2007	01/02/07	23	Melrose	Douglas	27S	4W	12	372R	813	Adult	1:1024		
BT	M	2006	12/27/06	23	Melrose	Douglas	28S	6W	3	364R	814	Fawn	1:256		
WT	F	2006	12/27/06	23	Melrose	Douglas	26S	6W	19	368R	815	Fawn	1:16		
WT	F	2007	01/02/07	23	Melrose	Douglas	27S	4W	12	374R	816	Adult	1:256		
WT	F	2006	12/29/06	23	Melrose	Douglas	27S	5W	18	370R	817	Adult	<1:8		
WT	M	2007	02/02/07	23	Melrose	Douglas	26S	6W	24	387R	818	Fawn	<1:8		
WT	F	2006	12/27/06	23	Melrose	Douglas	26S	6W	19	367R	819	Fawn	1:256		
WT	M	2007	01/25/07	23	Melrose	Douglas	26S	5W	17	384R	820	Adult	1:64		
WT	M	2007	01/25/07	23	Melrose	Douglas	26S	6W	24	382R	821	Adult	<1:8		
WT	F	2007	01/02/07	23	Melrose	Douglas	27S	4W	12	373R	822	Adult	<1:8		
WT	F	2006	12/27/06	23	Melrose	Douglas	26S	6W	19	369R	823	Adult	1:128		
WT	M	2007	01/18/07	23	Melrose	Douglas	27S	5W	31	377R	824	Adult	1:256		
WT	M	2007	01/18/07	23	Melrose	Douglas	27S	5W	31	379R	825	Fawn	<1:8		
WT	M	2007	01/18/07	23	Melrose	Douglas	27S	5W	31	378R	826	Adult	1:512		
WT	M	2007	01/17/07	23	Melrose	Douglas	26S	5W	21	381R	827	Adult	1:256		
WT	M	2007	01/25/07	23	Melrose	Douglas	26S	6W	24	383R	828	Adult	<1:8		
WT	F	2006	12/19/06	23	Melrose	Douglas	27S	5W	18	362R	829	Fawn	1:16		
WT	M	2007	02/13/07	23	Melrose	Douglas	26S	5W	6	395R	830	Adult	<1:8		
WT	M	2007	02/13/07	23	Melrose	Douglas	26S	5W	6	394R	831	Adult	<1:8		
WT	M	2007	02/06/07	23	Melrose	Douglas	27S	5W	7	391R	832	Adult	1:8		
WT	M	2007	01/25/07	23	Melrose	Douglas	26S	5W	17	385R	833	Adult	1:16		
WT	F	2007	02/02/07	23	Melrose	Douglas	27S	5W	17	388R	834	Adult	<1:8		
WT	M	2007	02/02/07	23	Melrose	Douglas	26S	6W	24	386R	835	Fawn	<1:8		
WT	M	2007	02/13/07	23	Melrose	Douglas	26S	5W	6	393R	836	Adult	<1:8		
WT	F	2007	02/02/07	23	Melrose	Douglas	27S	5W	17	389R	837	Adult	<1:8		
WT	M	2007	02/06/07	23	Melrose	Douglas	27S	5W	7	390R	838	Adult	<1:8		
WT	F	2007	02/06/07	23	Melrose	Douglas	27S	5W	7	392R	839	Adult	<1:8		
WT	F	2006	12/19/06	23	Melrose	Douglas	27S	5W	18	360R	840	Adult	1:512		
WT	F	2006	12/19/06	23	Melrose	Douglas	27S	5W	18	361R	841	Adult	<1:8		
WT	F	2006	12/19/06	23	Melrose	Douglas	27S	5W	18	359R	842	Adult	<1:8		
NT-T = no test due to serum toxicity				NT-H = no test due to serum hemolysis				NT-IS = no test due to insufficient serum sample							