

Appendix A

Table A1: Urban and Rural Population

| TOTAL POPULATION (#) | 1980 | | 1990 | | 2000 | |
|-------------------------------|------------|-----------|------------|-----------|------------|-----------|
| | Urban | Rural | Urban | Rural | Urban | Rural |
| Mills Canyon & Uplands Region | 4,953 | 14,009 | 5,553 | 12,623 | 6,789 | 13,415 |
| Colfax County, New Mexico | 4,953 | 8,714 | 5,553 | 7,372 | 6,789 | 7,400 |
| Harding County, New Mexico | 0 | 1,090 | 0 | 987 | 0 | 810 |
| Mora County, New Mexico | 0 | 4,205 | 0 | 4,264 | 0 | 5,205 |
| Kiowa/Rita Blanca Region | 7,375 | 7,529 | 4,001 | 8,885 | 4,605 | 8,939 |
| Union County, New Mexico | 2,804 | 1,921 | 0 | 4,124 | 0 | 4,174 |
| Cimarron County, Oklahoma | 0 | 3,648 | 0 | 3,301 | 0 | 3,148 |
| Dallam County, Texas | 4,571 | 1,960 | 4,001 | 1,460 | 4,605 | 1,617 |
| McClellan Region | 21,396 | 9,065 | 19,959 | 7,704 | 17,986 | 8,586 |
| Donley County, Texas | 0 | 4,075 | 0 | 3,696 | 0 | 3,828 |
| Gray County, Texas | 21,396 | 4,990 | 19,959 | 4,008 | 17,986 | 4,758 |
| Black Kettle Region | 6,193 | 11,047 | 0 | 13,746 | 0 | 8,635 |
| Roger Mills County, Oklahoma | 0 | 4,799 | 0 | 4,147 | 0 | 3,436 |
| Hemphill County, Texas | 3,359 | 1,945 | 0 | 3,720 | 0 | 3,351 |
| Wheeler County, Texas | 2,834 | 4,303 | 0 | 5,879 | 0 | 5,284 |
| TOTAL | 39,917 | 41,650 | 29,513 | 42,958 | 29,380 | 39,575 |
| NM-OK-TX | 14,306,818 | 4,250,557 | 16,870,307 | 4,776,857 | 20,822,345 | 5,299,175 |

Source: US Census Bureau, Decennial Census, 1980, 1990 and 2000. Calculations by UNM-BBER.

Table A2: Firewood Cutting in the National Grasslands

| May 1, 2000 - May 25, 2005 | |
|-----------------------------|-------------|
| Volume (cords) | 529.00 |
| Permit Fees (\$) | \$2,645.00 |
| Est. Market Value (\$/cord) | \$100.00 |
| Total Value | \$52,900.00 |
| Average per Fiscal Year | \$10,580.00 |

Source: TIMS, from NG Tims.xls

Table A3.A: Hunting Regulations for Grassland Region (Nm)¹

| New Mexico | | | | | | |
|-----------------|---------------------|---|-----------------|--|---|---------------------------|
| Species | License/Permit Type | Hunt Dates/Season | Special Weapons | Units/Counties/Zones | Permits or authorizations available all units | Harvest Limit |
| Elk | DL | 10/1-10/5 | | unit 56 | 5 | 1 |
| Elk | DL | 10/8-10/12 | | unit 56 | 10 | 1 |
| Elk | LOS | 10/1-12/31, 1/1-1/31 (antlerless), 9/1-9/22 (archery) | | Donley, Gray, Hemphill, Wheeler units 56, 58 | 328 (17 fold) | 1 |
| Antelope | DL | 8/27-8/29 | | units 41, 56, 58 | 30 | 1 |
| Antelope | DL | 8/13-8/17 | | units 56, 58 | n/a | 1 |
| Antelope | LOS | 8/27-8/29 or 9/17-9/19 | | units 41, 56, 58 | 660 (fold) | 1 |
| Deer Turkey | DL GH+tags | 10/29-11/2, 11/5-11/9, 9/1-9/22 (archery), 9/24-9/30 (muzzle) | | units 41, 56, 58 | | 1 |
| Bear | OTC | 8/16-8/31, 9/23-11/15, 9/1-9/22 (archery) | | zone 2 | | 1 |
| Cougar | OTC | 10/1-3/31 | | zones D, P | | 1 |
| Turkey | OTC | 4/5-5/10 | | units 41, 56, 58 | | 2 |
| Turkey | OTC | 9/12-9/20 | | units 41, 56, 58 | | 1 |
| Dove and Pigeon | OTC | 9/1-10/30 | | Donley, Gray, Hemphill, Wheeler zone | | 15 for dove, 5 for pigeon |
| Quail | OTC | 11/15-2/15 | | statewide | | 15 |
| Pheasant | OTC | 12/9-12/12 | | statewide | | 3 |
| Waterfowl | OTC | varies | | statewide | | varies |

Table A3.B: Hunting Regulations for Grassland Region (TX)

| Texas | | | | | | |
|-------------------|---------------------|-------------------|-----------------|---|---|---------------|
| Species | License/Permit Type | Hunt Dates/Season | Special Weapons | Units/Counties/Zones | Permits or authorizations available all units | Harvest Limit |
| Antelope | GH+LOP | 10/2-10/10 | | Gray, Dallam, Wheeler | | 1 |
| White-tailed deer | GH+tags, ANT | 10/2-10/31 | archery | Wheeler, Dallam, Gray, Hemphill, Donley | | 3 |
| White-tailed deer | GH+tags, ANT | 11/20-12-5 | | Wheeler, Dallam, Gray, Hemphill, Donley | | 3 |
| Mule deer | GH+tags | 10/2-10/31 | archery | Dallam, Gray, Hemphill, Donley | | 2 |
| Mule deer | GH+tags | 11/20-12-5 | | Dallam, Gray, Hemphill, Donley | | 2 |
| Pheasant | GH | 12/4-1/2 | | Wheeler, Dallam, Gray, Hemphill, Donley | | 2 |
| Turkey | GH+tags | 10/2-10/31 | archery | Donley, Gray, Hemphill, Wheeler | | |
| o limita | GH | no close | | | | |

Chicken a

Table A3.C: Hunting Regulations For Cibola Grassland Region (OK)¹

| Oklahoma | | | | | | |
|-----------|-------------------------|-------------------|-----------------|------------------------------|--|--------------------------|
| Species | License/Permit Type | Hunt Dates/Season | Special Weapons | Units/Counties/Zones | Permits or authorizations available, all units | Harvest Limit |
| Deer | GH+DAL | 10/1-1/15 | archery | statewide | n/a | 2 antlered, 2 antlerless |
| Deer | GH+DGL | 11/20-12/5 | gun | statewide | n/a | 1 antlered, 1 antlerless |
| Deer | GH+DPFL | 10/23-10/31 | muzzle loader | statewide | n/a | 1 antlered, 1 antlerless |
| Feral Hog | any deer or elk license | year-round | | statewide | n/a | |
| Rabbit | GH | 10/1-3/15 | | statewide | n/a | 3 for swamp and jack |
| Squirrel | GH | 5/15-1/31 | | statewide | n/a | 10 |
| Quail | GH | 11/13-2/15 | | statewide | n/a | 10 |
| Pheasant | GH | 12/1-1/31 | | Cimarron, Texas | n/a | 2 |
| Turkey | GH+TL | 10/1-1/15 | archery | statewide | n/a | 1 |
| Turkey | GH+TL | 10/30-11/19 | gun | Cimarron, Texas, Roger Mills | n/a | 1 |
| Turkey | GH+TL | 4/6-5/6 | archery | statewide | n/a | 1-2 |
| Turkey | GH+TL | 4/6-5/6 | gun | statewide | n/a | 1-2 |

License abbreviations:

GH -General Hunting

DAL - Deer Archery License

DPFL - Deer Primitive Firearms License

DGL - Deer Gun License

TL -Turkey License

LOP - Land-owner permit

tags - requires a tag for each animal harvested

ANT - antlerless permit

FP - Free permit

DL - Draw License

OTC - Over-the-counter license, unlimited sales

LOS - Land-Owner Signup issued permit

Notes:

New Mexico LOS authorizations numbers are from 2004-2005; all other big game information for New Mexico is for the 2005-2006 season; small-game information is for the 2004-2005 season.

Sources:

New Mexico Department of Game and Fish, Big Game and Furbearer Rules and Information, 2005-2006 .

<http://www.wildlife.state.nm.us/recreation/hunting/index.htm>, accessed July 5, 2005.

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Oklahoma Department of Wildlife Conservation, Hunting Guide 2004-2005 .

<http://www.wildlifedepartment.com/huntregs.htm>, accessed July 5, 2005.

Texas Parks and Wildlife Department, Outdoor Annual Hunting and Fishing Regulations , 2004-2005.

¹Tables A4.1-A4.3 describe regulations applicable to the National Grasslands regions of New Mexico, Oklahoma and Texas. Not all species discussed in the tables are actively hunted on the National Grasslands.

Table A5: Land Cover of FS and Private Land, by State in the Assessment Area¹

| | (Acres) | | | | | | | | |
|--|---------|---------|--------|---------|--------|---------|---------|---------|---------|
| | NM | | OK | | TX | | TOTAL | | TOTAL |
| | NFS | PRIVATE | NFS | PRIVATE | NFS | PRIVATE | NFS | PRIVATE | |
| OPEN WATER | 16 | 13 | - | 0 | - | 22 | 16 | 35 | 51 |
| LOW INTENSITY RESIDENTIAL | | | - | 16 | - | 86 | - | 101 | 101 |
| COMMERCIAL/INDUSTRIAL/ TRANSPORTATION | 0 | 6 | - | 32 | 17 | 253 | 17 | 292 | 309 |
| BARE ROCK/SAND/CLAY | 3 | 93 | 2 | 142 | 12 | 339 | 17 | 574 | 591 |
| QUARRIES/STRIP MINES/GRAVEL PITS | 26 | - | - | 13 | - | 7 | 26 | 7 | 33 |
| DECIDUOUS FOREST | 99 | - | - | - | - | - | 99 | 13 | 112 |
| SHRUBLAND | 9,561 | 8,907 | - | 159 | 312 | 987 | 9,873 | 10,053 | 19,926 |
| GRASSLANDS HERBACEOUS | 123,594 | 173,637 | 15,062 | 53,240 | 5 | 203,997 | 215,661 | 430,874 | 646,535 |
| PASTURE/HAY | 286 | 2,774 | - | 6,109 | 52 | 6,261 | 338 | 15,143 | 15,482 |
| ROW CROPS | 853 | 12,008 | 727 | 27,640 | 517 | 49,662 | 2,097 | 89,310 | 91,407 |
| SMALL GRAINS | 11 | 864 | 630 | 19,617 | 990 | 72,973 | 1,630 | 93,453 | 95,084 |
| FALLOW | 153 | 2,561 | 13 | 196 | 36 | 1,494 | 201 | 4,251 | 4,452 |
| URBAN/RECREATIONAL/ GRASSES | | | - | 1 | - | 2 | - | 3 | 3 |
| TOTAL | 134,602 | 200,862 | 16,435 | 107,164 | 78,939 | 336,082 | 229,976 | 644,109 | 874,084 |

Notes: 1) The region geography includes all counties with boundaries within 60 miles of Grasslands boundaries. A complete list of these boundaries is included in TABLE XX of the LANDSAT data is subject to small errors in ground referencing and 'edge rounding' associated with the use of RASTER based NLCD. These data, while highly accurate, are estimates. Source: USGS EROS, National Land Cover Data (NLCD), Dates 09/10/2000 (New Mexico), 09/14/2000 (Oklahoma), 09/26/2000 (Texas). Calculations by UNM-BBER.

Appendix B

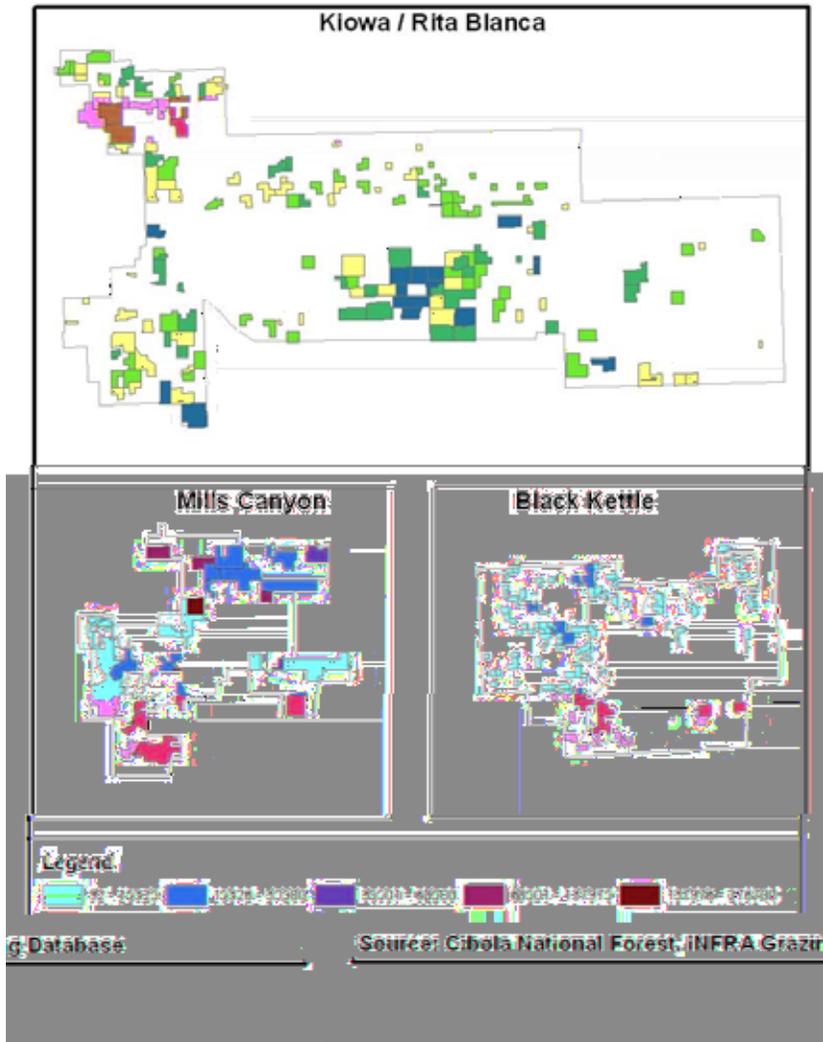


Figure B1: Authorized AUMs by Grazing Allotment

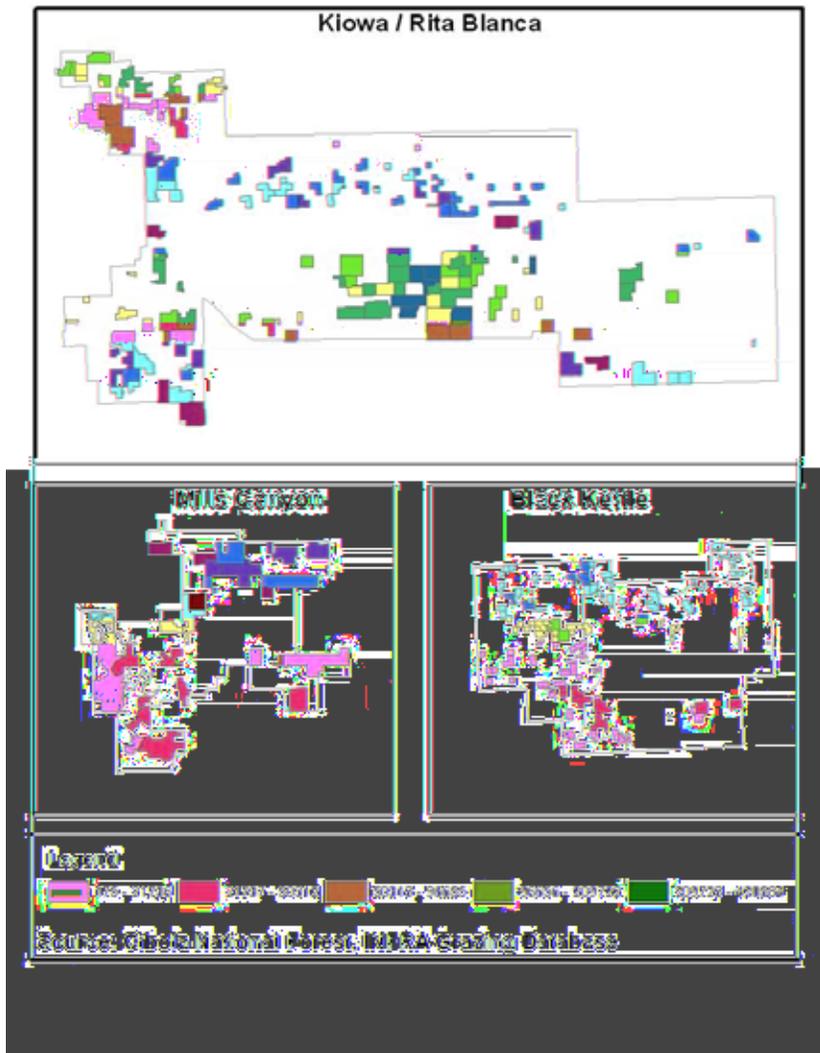


Figure B2: Collective Fees by Grazing Allotment



Figure B3: Collective Fees by Grazing Allotment

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