

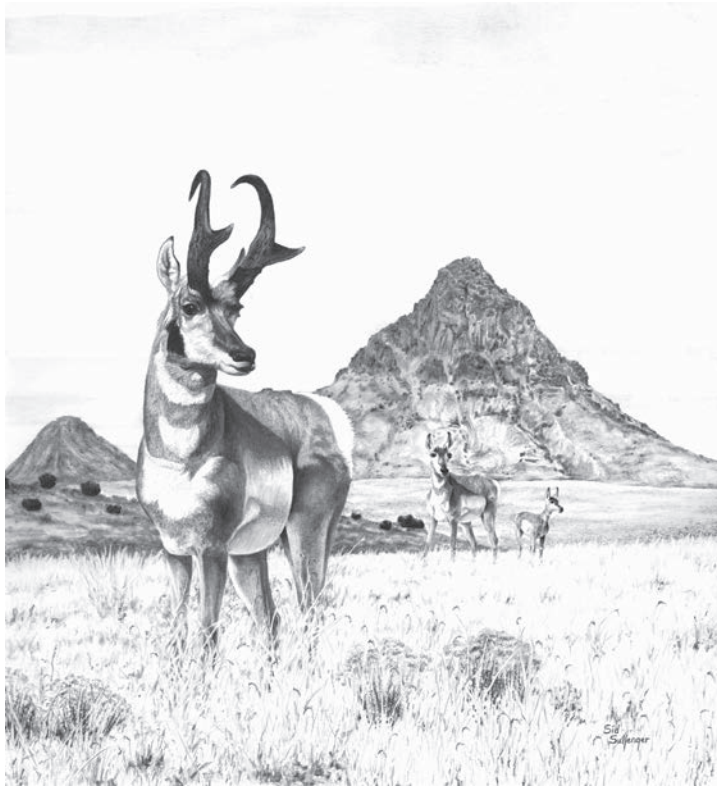


# *Pronghorn Bibliography*

*A review of literature  
and contributions  
to a bibliography from  
1649 to 2011.*







## A review of Literature and Contributions to a Bibliography from 1649 to 2011



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# **Pronghorn Bibliography**

**J. D. Yoakum**

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**P. F. Jones<sup>2</sup>**

**Twenty-Sixth Biennial Pronghorn Workshop  
Alpine, Texas**

**Western Association of Fish and Wildlife Agencies,  
Pronghorn Workshop  
and  
Texas Parks and Wildlife Department**

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Pronghorn bibliography. A review of literature and contributions to bibliography from 1649 to 2011. Yoakum Jim Donovan, Jorge Cancino and Paul Francis Jones. 2015.  
Western Wildlife. Centro de Investigaciones Biológicas del Noroeste, S. C. Alberta Conservation Association. Twenty-Sixth Biennial Pronghorn Workshop. Alpine, Texas.

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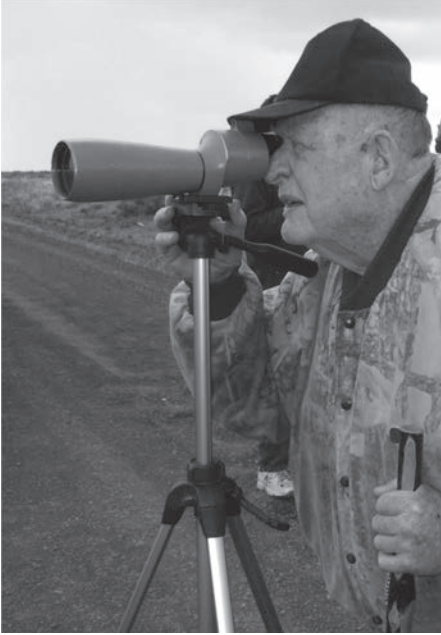
Western Association of Fish and Wildlife Agencies  
Pronghorn Workshop  
Texas Parks and Wildlife Department

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Cover design: Gabriela Jiménez Acosta  
Editorial design: Gerardo Rafael Hernández Garcia

ISBN: 978-607-7634-17-1





## IN MEMORY

**James "Jim" Donovan Yoakum**  
June 14, 1926 - November 20, 2012



James "Jim" D. Yoakum was born in Templeton, California on June 14, 1926. At the young age of 17, Jim enlisted in the U.S. Navy, serving from 1944-1947. Though his military service was a short part of his life, Jim stated that it was the most important thing he did as it allowed him to gain an education, a career, and a place to call home.

Following his military service, Jim attended Humboldt State College where he studied Roosevelt Elk and received his Bachelor of Science in 1953. Jim then went on to Oregon State University where he studied pronghorn and received his Master of Science in 1957. Following graduation from Oregon State University, Jim was hired as the first wildlife biologist by the U.S. Bureau of Land Management, where he worked with the agency, first in Ely then Reno, Nevada from 1958 to 1986.

Jim was an advocate for wildlife and in particular pronghorn. He dedicated his life to their conservation, and the protection and enhancement of their habitat. Over the course of his career, Jim published numerous papers on pronghorn, but will be best known for co-authoring the book "Pronghorn: Ecology and Management", a 903 page comprehensive book that serves as the guide for all things pronghorn.

Up until his passing on November 20, 2012, Jim continued to work on pronghorn, chairing the committee for the production of this edition of the Pronghorn Management Guides and a comprehensive pronghorn bibliography. This bibliography and the 5<sup>th</sup> edition of the Pronghorn Management Guides are dedicated to his memory. His enthusiasm, passion, and willingness to share his knowledge and point of view on pronghorn and their conservation will be missed.

## **Acknowledgements**

We would like to thank the Alberta Conservation Association and the Centro de Investigaciones Biológicas del Noroeste, S. C. for allowing us time to work on this project. The list of people that supported us during this project, by looking for a citation or responding to an email, would be endless and too large to try to include here. You know who you are and we thank you. However some people were consulted too many times or went above and beyond what we asked and their help was always unconditional and we thank them for their assistance: Megan Jensen, Margaret Neufeld, Esther Ojeda, Renee Seidler, and Kaitlyn (Katie) Taylor. We thank to Gabriela Jimenez by the cover, and Gerardo Hernández for the final edition.

## **BIBLIOGRAPHER:**

“Bibliography is a necessary nuisance and a horrible drudgery that no mere drudge could perform. It takes a sort of inspired idiot to be a good bibliographer and his inspiration is as dangerous a gift as the appetite of the gambler or dipsomaniac—it grows with what it feeds upon and finally possesses its victim like any other invincible vice.” Elliot Cowes 1882. (Page 346 in: Dary, D. A. 1974. The buffalo book: the full saga of the American animal. Saga Books, Swallow Press, Chicago, IL).



## Introduction

This bibliography is a compilation of literature pertaining to the pronghorn (*Antilocapra americana*), including what we believe is the earliest known publication related to the species (Hernandez et al.1649). The bibliography contains references covering the entire range of the species (Canada, Mexico, and the United States) from 1649 through 2011. The exceptions are citations from the keyword **Refuge/Preserve/Protected Areas: State/Province** which include references up to 2012 and are largely due to internet searches. The bibliography contains citations from peer-reviewed journals, government reports, books, thesis, and dissertations, websites, and selected citations from popular literature. The citations cover key subjects, such as management, population, habitat, behavior, diseases, predation, physical description, etc. Certain citations, such as annual government aerial survey reports, have been omitted. The main language of the majority of the citations is English, with 63 in Spanish, 4 in German, 3 in French, and 1 in old Italian.

The pronghorn bibliography was first published in 1967 and contained 354 citations with abstracts, and mainly focused on food habits and rangeland relationships (Yoakum 1967) and later updated (Yoakum 1991). This edition contains 2,736 citations (more than seven times the original version). This edition is divided into two sections. Section I contains key words with condensed references and Section II contains the full citations listed in alphabetical order. For key words, we chose those that we felt were most relevant and that would likely be searched for by professionals. Key words are divided into main key words or subject areas, such as **Habitat**, followed by second level key words, such as **-Habitat Characteristics/Description**. In some cases, third level key words are used, such as *-Grasslands*.

This bibliography is part of the Jim Yoakum legacy and his last work listed as an author. Besides his master thesis, Jim produced 97 pronghorn citations as an author or co-author of papers, chapters, and reports; we do not know how many essays, conferences abstracts, etc. he produced in his career, related to pronghorn or other species.

The intended users of the bibliography are agency biologists, conservationists, scientists, academics, wildlife managers, land owners, students, and pronghorn enthusiasts. Because of the period for this compilation, it is not a complete and comprehensive bibliography of all the citations related to pronghorn. We acknowledge that any omissions are our own, but not from lack of effort during our searches. We hope that the bibliography will be converted into an electronic, searchable database that will become a living document, maintained and updated on a regular basis.

Some interesting citations and/or authors include the oldest citation with reference to the pronghorn and those from a President of the USA, Theodore Roosevelt, who was an avid big game hunter and very interested in wildlife conservation and establishing federal lands for preservation of habitat.

# SECTION I

## Key words with references

### A

#### **Abnormalities**

see **Physical Characteristics/Description**

#### **Accidents**

Heller 1930; Jones 1949; Mitchell 1980; O’Gara 2004g; Ottman 1992; Yoakum 1957.

see **Mortality**

#### **Actinomycosis**

see **Diseases**

#### **Age**

see **Physical Characteristics/Description**

#### **Aging**

Dow 1952a, 1952b; Heffelfinger 1997; Nimmo 1971; Pate 1968b; Wright 1994.

##### **-Cannon Bone**

Dow 1952; Knowlton 1968; O’Gara 2004a.

##### **-Dentition**

see **Physical Characteristics/Description** **-Dentition**

##### **-Eye Lens**

Carlton 1976; Carlton and McKean 1977; Hnatiuk 1970; Kolenosky 1961; Kolensky and Miller 1962; O’Gara 2004a.

##### **-Hoof Growth**

O’Gara 2004a; Tucker and Garner 1980a.

##### **-Horns**

Bone 1984; Brown et al. 2002a; Mitchell and Maher 2001, 2004; Morton et al. 2008a, 2010; Zornes et al. 2010.

#### **Agriculture**

see **Farming**

## **Agua Fria National Monument**

see **Refuge/Preserve/Protected Areas: Federal**

## **Aguascalientes**

Mooser and Dalquest 1975.

## **Airplane**

see **Census**

## **Alberta, Canada**

Alberta Fish and Wildlife 1985, 1994; Alberta Forestry, Lands and Wildlife 1986; Armstrong 1966; Barrett 1972, 1973, 1974, 1978a, 1978b, 1978c, 1979, 1980a, b, 1981, 1982a, b, 1984, 1986; Barrett and Chalmers 1972, 1975, 1976, 1977a, b; Barrett and Vriend 1980; Barrett et al. 1982; Bibaud 1975; Boyd 2008; Bruns 1969; Carpenter 1970; Chalmers and Barrett 1974b, 1977; Chalmers et al. 1964; Chapman 1946; Clark 1979; Courtney 1986, 1987, 1989; Desset and Samuel 1989; Dube 1985, 1986; Durette-Forest 1984; Froggart 1994; Gainer 1991; Gates et al. 2008; Gavin 2004; Glaholt 1984; Glasgow 1988, 1990, 2005; Grue 1997, 2003; Grue and Morton 2010; Gudmundson 1978, 1984, 1986; Haag 1986; Hall 1982; Hnatiuc 1970, 1972a, b; Hofman 1974; Jakimchuk 1969; Jones 2009, 2011; Jones et al. 2008a, 2008b; Kemp 1983; Kerwin and Mitchell 1971; Knaga and Bender 2008; Long 2011; Lowry 1978; Lynch 2011; Martinka 1966a; Mitchell 1965, 1967, 1971, 1972a, b, 1980; Mitchell et al. 1972; Mitchell and Smoliak 1971; Morton et al. 2008a, b; Nietfeld et al. 1984; O'Leary et al. 1990; Psikla 1978; Quammen 2010; Radford 2011; Seagel 2007; Sheriff 2006; Sheriff et al. 2006; Smith 1993b; Stelfox 1993; Sutor 2011; Sutor et al. 2008; Taggart 1999; Thorsen et al. 1977; Watson 1986; Webb 1965; Wishart 1970, 1972; Young et al. 1971.

## **Albinism**

see **Physical Characteristics/Description**

## **Alfalfa**

Cole 1953, 1955, 1956; Hall et al. 2000; Heller 1930; Nichol 1942; Raisbeck et al. 1996, Yoakum 2004c.

## **American Pronghorn**

see ***Antilocapra americana* -*Antilocapra americana americana***

## **Anatomy**

see **Physical Characteristics/Description**

## **Animal Unit Month (AUM)**

Heady 1975; Hoover et al. 1959; Kniesel 1988; Sampson 1952; Scott 1981; Yoakum 1980, 2004d.

## **Antelope/Other**

### **-Antelope**

Moulton 1987; O’Gara 2000*b*; Thwaites 1905.

### **-Common Name**

Moulton 1987; O’Gara and Janis 2004*a*.

### **-Gemsbock**

Audubon and Backman 1851, 1989; Spinage 1986, Smith 1994.

### **-Saiga**

Fontaine 1966; Voss 2007.

### **-Springbok**

Tillman 1971.

see *Antilocapra americana*

see Prehistoric Pronghorn

## **Antelope Fences**

see Fences **-Passes**

## **Antelope Island**

see Refuge/Preserve/Protected Areas: State/Province

## ***Antilocapra americana***

O’Gara 1977, 1978; O’Gara and Janis 2004*a*.

### **-A. a. americana**

Bailey 1931; Bartlett 1865; Brinkley 1987; Einarsen 1948; Greenquist 1983; Grinnell 1933; Hall 1946; Hall and Kelson 1959; Mearns 1907; Merriam 1901; Miller and Kellogg 1955; Mitchell 1971; Nelson 1912; O’Gara 1978*a*; O’Gara and Janis 2004*a, b*; Wenzel 1955.

### **-A. a. mexicana**

Azuara et al. 2001; Bailey 1931*a, b*; Baker 1956; Einarsen 1948; Lafon et al. 1998; Martínez et al. 2000; Mearns 1907; Miller and Kellogg 1955; Miranda 2000; Miranda and Martínez 2001; Mitchell 1971; Nelson 1912; Pojar 1986*b*; O’Gara and Janis 2004*a, b*; Ramírez et al. 2000; Simon 1966; Treviño 1978*b*; Trevino and Schemnitz 1982; Villa 1955.

### **-A. a. oregona**

Bailey 1932, 1936; Compton 1958; Dingess 1958; Einarsen 1948; Hall 1946; Hall and Kelson 1959; Hansen 1956, 1957, 1958; Miller and Kellogg 1955; Mitchell 1971; O’Gara and Janis 2004*a, b*; Yoakum 1957.

### **-A. a. pacifica**

O’Gara and Janis 2004*b*; Richards and McCrossin 1990.

### **-A. a. peninsularis**

Bermudez 2008; Brown and Webb 1979; Cancino 1988, 1994*a, b*, 2001, 2002; Cancino

and Guenzel 2002; Cancino et al 1993a, b, 1994a, b, 1995, 1996, 1998, 2001, 2002, 2004, 2005, 2006, 2010; Carrillo et al. 2004; Castellanos and Hollard 2003; Castellanos y Sánchez 2010; Einarsen 1948; Gonzáles and Cancino 2001; Grajales 1998; Grajales et al. 2003; Hall and Kelson 1959; Huey 1964; Jaramillo 1989; Miller and Kellogg 1955; Nelson 1912; O’Gara and Janis 2004a; Phillips 1913; Sanábria et al. 1996; Sánchez-Sotomayor et al. 1999, 2006; Simon 1966.

**-A. a. sonoriensis**

Arizona Game and Fish Department 1981; Ben 2002; Bernatas et al. 1999; Bright 1999, 2005a, b, c, d, 2006a, b, c, d, 2007a, b, c, d, 2008a, b, c, 2009a, b, c, d, 2010, 2011a, b, c; Bright and Hervert 2003, 2005, 2006; Bright and Van Ripper III 2000a, b; Bright et al. 2001, 2003; Brown 1986b; Carr 1969, 1970, 1971, 1972, 1973, 1981, 1992; Castillo-Sánchez 1992, 1999; Castillo 1994; Castillo et al. 2000; Cockrum 1981; Cohn 2007, 2010; DeVos 1989, 1990; DeVos and Miller 2005; DeVos and Thompson-Olais 2000; Edwards and Ohmart 1981; Einarsen 1948; Fox 1997; Fox et al. 2000b, c; Goldman 1945; González et al. 1986; Hall and Kelson 1959; Halloran 1954, 1956, 1957; Hervert 1999, 2001; Hervert et al. 2000a, b, 2005, 2001, 1995, 1998, 1999; Hosack et al. 2002; Hughes 1991; Hughes and Smith 1990; Ikenson 2003; Jensen 2002; Jones 1954; Krausman and Harris 2002; Krausman et al. 2002, 2004, 2005a, b, c, 2007; Landon et al. 2003; López y Paredes 1999; Marr and Velasco 2005; Miller and Kellogg 1955; Monson 1968; Morgart et al. 2005; O’Brien et al. 2005; O’Gara and Janis 2004a; Otte 2006; Paradiso and Nowak 1971; Paredes 1997; Phelps 1978b, 1981a, b; Phelps and Webb 1981; Phelps et al. 1982; Robinson et al. 2000; Scheffler 2006; Simon 1966; Snow 1994; Stephen et al. 2002; Stephen et al. 2005a; Thompson-Olais 1992, 1994; United States Department of the Interior 2012u; United States Fish and Wildlife Service 1982, 1998, 2012; Wilson et al. 2006, 2008b, 2009, 2010; Wright 1959; Wright and DeVos 1986a, b.

see **Taxonomy -Classification**

**Antilope**

see **Antelope**

**Archaeology**

Aikens 1978; Alvarez 1964; Bozell 1999; Burkhardt 1996; Byers and Hill 2009; Clemmer 2009; Davis and Fisher 1990; Davis et al. 2000; Fenner 2007; Fenner and Frost 2009; Fenner and Walker 2008; Fisher and Frison 2000; Grayson and Meltzer 2002; Hodgetts 1996; Johnson and Holliday 1981; Kelley 1975; Kelly 1988; Lawrence 1951; Lippincott 1996; Lubinski 1999, 2000, 2001, 2011; Lubinski and Herron 2000; Lubinski and O’Brien 2001; Miller and Sanders 2000; Osborne 1953; Pastor and Lubinski 2000; Pastor et al. 2000; Poinar et al. 2001; Polk 1987; Raymond 1982; Smith and McNees 2000; Theler and Pfaffenroth 2010; Valadez 1992; Walker 2000; Walker and Frison 1980; White 2008; White and Morgan 2011.

## Arizona, USA

Adams 1994; Alexander 1994, 2000; Alexander and Ockenfels 1994, 1997; Andrews et al. 1986; Arizona Game and Fish Commission 2011; Arizona Game and Fish Department 1981, 2006; Arizona Game and Fish Department and Coconino National Forest 2003, 2004; Arrington 1945; Arrington and Edwards 1951; Bernatas et al. 1999; Bright 1999, 2005a, b, c, d, 2006a, b, c, d, 2007a, b, c, d, 2008a, b, c, 2009a, b, c, d, 2010, 2011a, b, c; Bright and Hervert 2003, 2005, 2006; Bright and Van Ripper III 2000a, b, 2001; Bright et al. 2001, 2003; Bristow et al. 2006a, b, c; Britt 1980; Brown 1982, 1986a, b, 1992, 2007, 2008; Brown and Mitchell 2006; Brown and Ockenfels 2007; Brown and Shaw 2006; Brown et al. 2004, 2008; Broyles 1997; Buckner 1990; Carr 1969, 1970, 1971, 1972, 1973, 1981, 1992; Clark 2006; Cockrum 1960, 1981; Cohn 2007, 2010; Colbert et al. 1939; Cunningham et al. 2008; Cutler 1996; Cutler et al. 1996; Czech 1992; Davis 1982; DeVos 1989, 1990, 1999; DeVos and Miller 2005; DeVos and Thompson-Olais 2000; Dorothy Ticer and Miller 1994; Dorothy Ticer et al. 2000; Drake 2009; Dubay et al. 2006; Edwards and Ohmart 1981; Fox 1997; Fox et al. 2000b, c; Gay 1984; Grater 1935; Hall et al. 2000; Halloran 1954, 1957; Heffelfinger 1995, 1996, 1997; Heffelfinger et al. 1999, 2002; Hervert 1999, 2001; Hervert et al. 1995, 1998, 1999, 2000a, b, 2001, 2005; Hoffmeister 1986; Hosack et al. 2002; Hughes 1991; Hughes and Smith 1990; Hulen 1997; Jamison 1975; Jecker 1988; Knipe 1944; Krausman and Harris 2002; Krausman et al. 1998, 2002, 2004, 2005a, b, c, 2006, 2007; Landon et al. 2003; Lawrence 1951; Lay 1946; Lee 1988, 1990a, 1992a, 2000a, b; Lemon 1943; Lewis 1996, 2000; Mandile 1988; McDonald 2005; McDonald et al. 2010; McGregor 1935; McKinney et al. 2008; Mearns 1907; Miller 2006; Miller and Drake 2005; Mix and Miller 2010; Mogart et al. 2005; Neff 1986; Neff and Woolsey 1979, 1980; Neff et al. 1985; Niehuis 1943, 1951; O'Brien et al. 2005; Ockenfels 1994a, b, 1995a, b, c, d, 2006; Ockenfels et al. 1992, 1994, 1996a, b, 1997, 2000a, b, 2002, 2008; Ockenfels and Wennerlund 1994; O'Connor 1934, 1937, 1939a, b, 1943, 1945; Olding 1983; O'Neil 1980; Pender 1984; Perry 1996; Perry and Miller 1994; Peterson 1956; Phelps 1978a, b, 1981a, b; Phelps and Webb 1981; Phelps et al. 1982; Powell 1954; Reat 1998; Reat et al. 1999; Redburn 1931; Rhodes et al. 1999, 2001; Riddering 2005; Rivals and Semperson 2006; Robinson et al. 2000; Roosevelt and Burden 1934; Russo 1965; Sandholdt 1945; Scheutze 1993; Scheutze and Miller 1992; Scoyten 1927; Senn 1999; Shaw 2000a, b, 2006; Skinner 1942; Sloane and Wolfe 1980; Snow 1994; Spomer 1990; Sprague 2010; Stephen et al. 2002, 2005; Swank 1946; Taylor 1936; Thompson-Olais 1992, 1994; Ticer 1998; Ticer and DeVos 2001; Ticer and Miller 1994; Ticer and Munig 1999; Ticer and Ockenfels 2001; Ticer et al. 1999, 2000, 2002; Ulen 1994; United States Department of the Interior 2012c, p, q, u; United States Fish and Wildlife Service 1982, 2012; United States Soil Conservation Service 1989; Van Riper III and Ockenfels 1998; Van Riper III et al. 2001, 1997; Warnecke and Brunner 2006; Watson 1965; Webb 1972, 1974; Whitaker 1966; White 1969; Wilson et al. 2006, 2008b, 2009, 2010; Wright and DeVos 1986a, b; Yoakum 2003.

## **Art**

Cancino and Reygadas 1999; Ewers 1982; Fichter 1988; McCabe et al. 2004; Mohr 1958; Stewart 1973.

## **B**

### **Bad Lands National Park**

see **Refuge/Preserve/Protected Areas: Federal**

### **Baja California, Mexico**

Brown et al. 2006a; Cancino et al. 1994b; Clavijero y Palóu 1789; Huey 1964; Humphrey 1991; Phillips 1913; Slade 1902.

### **Baja California Sur, Mexico**

Brown and Webb 1979, Brown et al. 2006a; Cancino 1988, 1994a, 1994b, 2001; Cancino et al. 1993, 1994, 1995, 1996, 1998, 2001, 2002, 2004, 2005, 2006, 2010; Cancino and Guenzel 2006; Carrillo et al. 2004; Castellanos and Hollard 2003; Castellanos y Sánchez 2010; Clavijero y Palóu 1789; Humphrey 1991; Diario Oficial de la Federación 1988; González-Romero et al. 1991; González and Cancino 2001; Grajales 1998; Grajales et al. 2003; Guzman 1961; Jaramillo 1989; Phillips 1913; Sanábria et al. 1996; Sánchez-Sotomayor et al. 1999, 2006; Slade 1902.

### **Barriers to Movement**

Bright and Van Ripper III 2001; Hacker 2002.

see **Fences**

see **Highways**

see **Railroads**

see **Rivers**

see **Snow**

see **Mortality**

### **Bears**

see **Predation**

### **Behavior**

Beckmann and Berger 2005; Bekoff and Byers 1992; Berger 1979; Boyle 1971; Bromley 1977; Byers and Walker 1995; Engelking 1969; Fichter 1976; Goldsmith 1988a, 1992; Howard and Bradybaugh 1983; Irby 1981; Jewett 1946; Knaga 2006; Lipetz 1980; Lipetz and Bekoff 1982; Manning 1972; Muller-Schwarze 1973; O’Gara 2004b; Prenzlów 1964; Prenzlów et al. 1968; Pyle 1972; Regan 2010; Reynolds 1984; Reynolds and Laundre 1990; Robinson et al. 2001; Simpson 1992; Skinner 1924; Tucker 1979; Wilson et al. 2006, 2008a, b, 2009.



**-Foraging**

Berger and Cunningham 1988; Berger et al. 1983; Dennehy 1997; Einarsen 1948; Ellis and Travis 1975; Hanley 1980, 1982; Hanley and Hanley 1982; Hoover 1972; Muller-Schwarze and Muller-Schwarze 1970; Prenzlów 1965a, b; Prenzlów et al. 1968; Pyle 1972; O’Gara 2004b; Sadak 1987; Salwasser 1980; Schwartz 1977; Schwartz et al. 1976a, b; Yoakum 2004c.

**-Mating and Reproduction**

Avsharian 2008; Bailey 1920; Barnowe-Meyer et al. 2010; Birney and Day 1985; Bromley 1967, 1969; Bromley and Kitchen 1974; Byers 1989; Byers et al. 1994, 2005b, 2006, 2010; Byers and Kitchen 1988; Byers and Waits 2006; Clausen 1999; Copeland 1980a, b, 1982; Deblinger and Allredge 1989; Dunn 2010; Dunn and Byers 2008; Ellis and Deblinger 1975; Fairbanks 1990a, b, 1992, 1994; Fichter 1962; Grinnell 1906; Gunnels 1999; Kitchen 1972; Lent 1974; Maher 1991, 1992; Marion and Sexton 1979; McDonald 1987a, b; Mitchell 1967; Moodie and Byers 1989; Muller-Schwarze and Muller-Schwarze 1970; O’Gara 1978a, 1988, 2004d; Prenzlów 1965a, b; Prenzlów et al. 1968, Reeve 1984; Toigo and Gaillard 2003.

**-Migration and/or Seasonal Movements**

Ackerly and Regier 1956; Arrandale 2008; Autenrieth 1978b; Baker 1953a; Barrett 1978a, c, 1984; Bear 1968a, 1969a, c; Berger 2004; Berger et al. 2006a, c; Campbell 1970a, b, 1972; Cherney 2011; Cherney and Clark 2009; Creek 1967; Crump 1961; Dalton 2009; Deblinger et al. 1984; Denver Wildlife Research Center 1976; Dodd et al. 2011; Einarsen 1947; Foster 1988; Glick 2007; Gollop 1982; Griffith 1962a; Grinnell 1906; Grue 2003; Guenzel et al. 1982; Harper 1985; Harris et al. 2009; Hart 1960; Hnatiuk 1972b; Hoskinson 1977; Hoskinson and Tester 1980; Howard and Bradybaugh 1983; Howlett et al. 2010; Jacques 2006; Jacques and Jenks 2006, 2007; Jacques et al. 2009b; Jakes et al. 2010a; Jones 2011; Kirkwood 2011; Knaga and Bender 2008; Kolar 2009; Kolar et al. 2008, 2011; List and Valdés 2009; Long 2011; Maffly 2004; Mapston 1970; Mapston et al. 1970; Martinka 1966a; McLean 1944; Miller and Sanders 2000; Ockenfels et al. 1994, 1997, 2000a, 2008; O’Gara 1978a, 20004b; Ogilvie 1953; Poor 2010; Poor et al. 2010; Prenzlów 1965a; Quammen 2010; Raper 1990; Reynolds 1984; Rosendale et al. 1980; Rouse 1954, 1962; Salwasser 1980; Samuelson 1980; Sanders 2000; Sawyer et al. 2005; Sawyer and Rudd 2005; Scott and Geisser 1996; Sheldon 2005, 2006; Sheldon et al. 2006; Sievers et al. 2007; Skinner 1922; Spillett 1965; Spillett et al. 1967; Sutor 2011; Sutor et al. 2008; Sundstrom 1966; Ticer et al. 1999; Tucker and Garner 1984; Van Riper III et al. 2001; Vana 2010; Whitaker 1966; White et al. 2007b; Wilson 2009; Wiltse 1978b; Zobel 1963, 1968a, b.

**-Protection for Fawns**

Autenrieth and Fichter 1975; Avsharian et al. 2006; Berger 2005; Byers and Byers 1983; Clausen 1999; Davis and Putman 1951; Dorothy Ticer and Miller 1994; Fichter 1972b; Gilbert 1972, 1973; Hollenbach 1988; Jacques and Jenks 2010; Marion and Sexton 1979; Prenzlów 1964, 1965b; Prenzlów et al. 1968; Starr 1934; Van Wormer 1963.

### **-Response to Capture**

Barrett 1973; Byers 1997*b*; Dotson 1992; Goldsmith 1984; Hoover 1971; Mason 1947; O'Gara et al. 2004*c*; Prenzlów 1964; Robinson 1970.

### **-Response to Environmental Factors**

Barnowe-Meyer et al. 2011; Bromley 1978; Bruns 1969; Byers et al. 2005*a*, 2006; Byers and Hogg 1995; Goldsmith 1990; Guenzel 1988*b*; Howard and Bradybaugh 1983; Howard et al. 1973; Kitchen 1972, 1974; McCullough 1980; Ockenfels et al. 1994; O'Gara and McCabe 2004; Prenzlów 1965*b*; Prenzlów et al. 1968; Pyle 1972; Yeo 1988; Yoakum 1957, 2004*b*, 2006*b*.

### **-Response to Human Activity**

Allen 1842; Arrandale 2008; Barrett and Vriend 1980; Copeland 1980*a, b*, 1982; Denver Wildlife Research Center 1976; DeVos 1989; Fichter and Autenrieth 1978; Greenquist 1983; Gross et al. 1983; Harrington 2005, Harrington and Conover 2006; Jewett 1946; Krausman et al. 1998, 2004; Landon et al. 2003; Luz and Smith 1976; Maher and Mitchell 2000; McCabe et al. 2004; O'Gara and McCabe 2004; Ongstad et al. 2010; Pojar et al. 1994; Prenzlów 1965*a*; Prenzlów et al. 1968; Reeve 1984; Taylor and Knight 2003; Ward et al. 1976, 1980.

### **-Response to Livestock**

Becker 1972*a, b*; Campbell 1970*a, b*, 1972; Einarsen 1948; Kindschy et al. 1978, 1982; McNay 1980; McNay and O'Gara 1982; Meeker 1979; Pyrah 1987; Severson 1966*a, b*; Wagner 1978; Yoakum 1975, 1995; Yoakum and O'Gara 1990.

### **-Rut**

Autenrieth and Fichter 1975; Avsharian 2008; Bailey 1920; Bromley 1991; Bromley and Kitchen 1974; Byers 1989; Byers et al. 2005*a*, 2006, 2010; Clausen 1999; Copeland 1980*a, b*, 1982; Deblinger and Ellis 1976; Dunn 2010; Fichter and Autenrieth 1978; Gilbert 1972, 1973; Grinnell 1921; Kitchen 1972, 1974; Kitchen and Bromley 1974; Maher 1991, 1992; Main and Coblenz 1990; McDonald 1987*a, b*; Min 1995, 1997*a, b*; Mitchell 1967; Moodie and Byers 1989; Morrison 1961; Muller-Schwarze and Muller-Schwarze 1970; O'Gara 1988, 2004*b*; O'Gara and Moy 1972; O'Gara et al. 1971; Prenzlów 1965*a, b*; Toigo and Gaillard 2003.

### **-Scent Marking**

Buechner 1950*a, c*; Del Thiessen and Rice 1976; Einarsen 1948; Gilbert 1972, 1973; Kitchen 1974; Kitchen and Bromley 1974; Moodie and Byers 1989; Muller-Schwarze and Muller-Schwarze 1972*a, b*; O'Gara 2004*d*; O'Gara and Moy 1972; Wyssman 2000.

### **-Socialization**

Autenrieth 1966; Autenrieth and Fichter 1975; Bekoff and Byers 1992; Bernt 1976*a, b*; Boyle 1971; Bradybaugh 1981; Bromley 1977, 1991; Buck 1947; Byers 1986; Byers and Moodie 1990; Byers and Walker 1995; Caton 1877; Deblinger and Alldredge 1989; Deblinger and Ellis 1976; Del Thiessen and Rice 1976; Dennehy 1997, 2001; Doell and Smith 1965; Dunn 2010; Engelking 1969; Fairbanks 1989, 1990*a, b*, 1992, 1994; Fichter 1972*a*, 1976, 1987; Fichter and Autenrieth 1980; Gregg 1955; Gunnels 1999; Howard 1966; Howard and Bradybaugh 1983; Ingold 1969; Kitchen 1972, 1974; Lipetz and Bekoff 1982; Maher 1992, 1997; Maher and Mitchell 2000; Main and Coblenz 1990;

Manning 1972; Mearns 1907; Miller 1998; Muller-Schwarze and Muller-Schwarze 1972a; O’Gara 1975a, 1988, 2004b; Prenzlów 1964, 1965b; Prenzlów et al. 1968; Pyle 1972; Sadak 1987; Salwasser 1980; Sather and Schildman 1955; Spillett 1964; Swanger 1977; Thiessen and Rice 1976; Throckmorton 1945; Waring 1969.

**-Territoriality**

Berger 1985; Bromley 1967, 1969, 1977, 1991; Byers 1989; Chao 1985; Clausen 1999; Deblinger and Ellis 1976; Fichter and Autenrieth 1980; Gilbert 1972, 1973; Gunnels 1999; Johnson and Zeveloff 1987; Kitchen 1972, 1974; Kitchen and Bromley 1974; Maher 1994, 2000; Moodie and Byers 1989; O’Gara 1978a, 1988, 1990, 2004b; Prenzlów 1965a, b; Prenzlów et al. 1968; Reeve 1984; Thiessen and Rice 1976; Wyssman 2000.

**Bibliography**

Brown et al. 2006a; Doell and Smith 1965; DuMont 1951; Gasson 1983; Hazzard 1958; Jatrieks 1981; Kohlmann and Yoakum 2009; Krausman et al. 1998, 2005c; Lance and Pojar 1984; Mackie and Yeager 1966; Meyers 1963; Ockenfels 2006; Prenzlów 1965a; Spillett 1964; Tileston and Yeager 1962; Yoakum 1967, 1991, 2000b; Yoakum and Koch 2009; Yoakum and Spalinger 1979.

**Big Bend National Park**

see **Refuge/Preserve/Protected Areas: Federal**

**Bighorn Canyon National Recreation Area**

see **Refuge/Preserve/Protected Areas: Federal**

**Bighorn Sheep**

see **Sheep**

**Bison**

Allen 1842; Berger and Cunningham 1994; Buechner 1950d; Cid et al. 1991; Clemens et al. 1987; England and DeVos 1969; Greenquist 1983; Grinnell 1929; Hill 1994; Karhu and Anderson 2006; Kautz and Van Dyne 1978; Krueger 1984, 1986; Long 1965b; Lovaas and Bromley 1972; McCabe et al. 2004; McCullough 1980; Rickel 2005; Ruth 1937; Schwartz and Ellis 1981; Schwartz and Nagy 1976; Schwartz et al. 1977; Skinner 1922; Smith and McNees 2000; Taylor and Knight 2003; Theler and Pfaffenroth 2010; Wydeven and Dahlgren 1984, 1985; Yoakum 2004d.

**Bitterbrush**

see **Shrubs**

**Blood**

see **Physical Characteristics/Description**

## **Bluetongue**

see **Diseases**

## **Bobcat**

Barrett 1978*b*; Beale 1970, 1986; Beale and Smith 1972*a*, 1973; Canon and Bryant 1992*a*; Compton 1958; Greenquist 1983; Jacques and Jenks 2008; O’Gara and Malcolm 1988; O’Gara and Shaw 2004; Trainer et al. 1983; Von Gunten 1978*a*, 1978*b*.

## **Bones**

see **Aging**

see **Skeletal**

## **Books**

### **-Book Reviews**

Albon 1998; Arkush and Fairbanks 2005; Bozell 1999; Bromley 2005; Buechner 1970; Crawford 2007; Cushing 1949; Elder 1950; Flahaut 1949; Heffelfinger 2009; Janis 1999; Kitchen 1999; Krausman 1998, 2004; Milius 2008; Mills 1948; Reiger 2005; Schullery 2005; Toweill 2003; Yoakum 1963.

### **-Chapters**

Amor et al. 2006; Andrews et al. 1986; Bromley and Kitchen 1974; Byers 1986, 2003*b*, 2011; Cadieux 1987; Cancino 2005*b*; Cancino y Castillo 2000; Cockrum 1960; Davis 2007; González-Romero et al. 1991; Heffelfinger 2006; Janis and Manning 1998; Kindschy et al. 1982; Kitchen and Bromley 1974; Kitchen and O’Gara 1982; Kohlmann 2004; Medellín et al. 2005; Meléndez et al. 2006; Miller 1998; O’Gara 1977, 1990, 1996, 1999*a*, 2004*a, b, c, d, e, f, g*; O’Gara and Ball 2004; O’Gara and Janis 2004*a, b*; O’Gara et al. 2004; O’Gara and McCabe 2004; O’Gara and Morrison 2004; O’Gara and Shaw 2004; O’Gara and Yoakum 2004; Pojar 2004; Roosevelt 1893, 1895; Roosevelt et al. 1902; Sánchez et al. 2006; Simpson 1984; Valdés y Manterola 2006*a, b*; Yoakum 1978*b*, 1988, 2004*a, b, c, d, e, f*; Yoakum and O’Gara 2000; Yoakum et al. 1996.

### **-Fiction**

Beebe 1962; Crichton and Crichton 2005; Freschet 1973; Lacapa 1992; Schemenauer 1986*a, b*.

### **-Non fiction**

Ahlstrom 1986; Bridges and Oster 2001; Brown and Ockenfels 2007; Byers 1997*a*, 2003*a*; Cadieux 1986; Cancino 1994*b*, 2003; Chace 1977; Einarsen 1948; Geist and Francis 2001; Gilchrist 1988; Hiser 1973; Lunis 2010; McCabe et al. 2004; O’Gara and Yoakum 2004*a*; Popowski 1959; Popowski and Pyle 1982; Spinage 1986; Taylor 1999; Turbak et al. 1995; Valdés et al. 2006; Urbigit and Goeke 2010; Van Wormer 1969.

see **Bibliography**

## **Bovidae**

Hassanin and Douzery 2003; Jameson and Peeters 1988; O’Gara 1982; O’Gara and Matson 1975; Pojar 1986*b*.

**Bovine Virus Diarrhea**

see **Diseases**

**Brain**

see **Physical Characteristics/Description**

**Breameryx**

see **Prehistoric Pronghorn**

**Breeding Age**

see **Reproduction**

**Brucellosis**

see **Diseases**

**Brush**

see **Shrubs**

**Bryce Canyon National Park**

see **Refuge/Preserve/Protected Areas: Federal**

**Buenos Aires National Wildlife Refuge**

see **Refuge/Preserve/Protected Areas: Federal**

**Buffalo**

see **Bison**

**Bureau of Land Management (BLM)**

Anderson and Denton 1980; Kerr 1968; Langdon 1964; Lister 1989; Mapston and Zobell 1972; McGowan 1970; O’Gara and McCabe 2004; Pate 1968a; Pyrah 1987; Reeher 1969; Rouse 1954; Thomas and Rosentreter 1992a, b; Townsend 1972; U.S. Bureau of Land Management 1965, 1980, 1985a, b, 1989; Wilson and Hannan 1977; Yoakum 1980; Zobell 1968a.

**Burros**

Hansen and Anthony 1999; Stokes 1952; Yoakum 2004d.

**C**

**Cabeza Prieta National Wildlife Refuge**

see **Refuge/Preserve/Protected Areas: Federal**

## **Cactus**

see **Food/Forage**

## **California, USA**

Ackerly and Regier 1956; Anderson 1932, 1934; Baird 1857; Brewer 1930; Bryant 1848; Burcham 1957; California Department of Fish and Game 1966, 1989, 1990, 1993, 1995, 1997; Capodice et al. 1982; Caton 1877; Chattin et al. 1944; Chattin and Lassen 1950; Clausen 1999; Colton 1992; Cook et al. 1949; Dasmann 1952; Einarsen 1947; Ellis 1970, 1972; Fatooh et al. 1994; Ferrel and Leach 1950, 1952; Fischer 2000; Gabrielson 1935, 1943; Gilman 1960, 1961; Goldsmith 1988*a, b*, 1990, 1992; Griffith 1962*a*; Grinnell and Storer 1924; Grinnell et al. 1930; Hacker 2002; Hall et al. 2000; Hall 1963, 1965; Hanley 1980, 1982; Hanley and Hanley 1982; Herman 1945; Hjersman and Yoakum 1959; Horne 1925; Huey 1964; Ingles 1947; Jameson and Peeters 1988; Jessup 1985; Jessup et al. 1989; Johnson 1931; Jones 1954; Jones 1991; Koch and Yoakum 2002; Kohlmann and Yoakum 2009; Lay 1946; Leopold 1951*a*; Loft 1989, 1998; Longhurst 1957; Longhurst et al. 1983; Longshore and Lowrey 2007; Love and DeWit 1988; Mankins 1962; Margolin 1978; Masin 1974; McAllister 1924; McCarthy 1981; McCarthy and Yoakum 1984; McLean 1944; Meyers 1963; Miller and Downs 1974; Pyshora 1969, 1978, 1982, 1986, 1987, 1988; Reynolds 1976; Richards and McCrossin 1991; Salwasser 1980; Salwasser and Shimamoto 1979, 1984; Sayana 1952; Schultz 1938; Sheldon 1959; Springer 1950; Starr 1939; Stephens 1906, 1921; Stock 1956; Stokes 1952; Stutz 1967; Thayer 1980, 1984; United States Department of the Interior 2012*g*; Yoakum 1962, 2000*a*; Yoakum and Koch 2009; Zeiner et al. 1990.

see **Baja California, Mexico**

see **Baja California Sur, Mexico**

## **Camera**

see **Census**

## **Canada**

see **Alberta, Canada**

see **Manitoba, Canada**

see **Saskatchewan, Canada**

## **Canals**

Arizona Department Game and Fish 1984; McCarty 1982*a*.

## **Cannon Bone**

see **Aging**

## **Capitol Reef National Park**

see **Refuge/Preserve/Protected Areas: Federal**

**Capra**

Audubon and Bachman 1951; O’Gara and Janis 2004a.

**Capromeryx**

see **Prehistoric Pronghorn**

**Captivity**

see **Domestication**

**Capture**

see **Trapping/Translocation**

**Capulin Volcano National Monument**

see **Refuge/Preserve/Protected Areas: Federal**

**Carlsbad Caverns National Park**

see **Refuge/Preserve/Protected Areas: Federal**

**Carotin**

see **Nutrition**

**Carrizo Plain National Monument**

see **Refuge/Preserve/Protected Areas: Federal**

**Carrying Capacity**

Elliott 1948; Hailey 1979; Hoover 1966; Long 1965*b*; Pate 1973; Severson 1966*a, b*; Taylor 1971, 1975; Yoakum 1957, 1962.

**Castration**

see **Domestication**

**Cattle**

see **Livestock**

**Census**

Allen and Samuelson 1982, 1987; Bernatas et al. 1999; Bever 1951*b*; Blunt 1948; Brown 2007, 2008; Brown and Ockenfels 2007; Creekmore and Beyer 2010; Czaplewski 1986; Donoho and Wills 1974*a, b*; Edson 1960; Einarsen 1948; Elliott 1968; Griffith 1962*a*; Janson 1960; Knight 1983; Larsen 1967*b*; Lee 2000*b*; McAllister 1924; Pojar 2004; Pojar et al. 1982, 1995; Rabe et al. 2002; Scott 1991*b*; Smyser 2005; Smyser et al. 2006*a*; South Dakota Department Game, Fish, and Parks 1965; Suetsugu 1970*b*, 1975*b*; Tileston and Yeager 1962; Till 1956; Uzzell 1953; Vanderbush 1974; Watts 1990*b*; West 1969; White 1974; White 1987; Woolley 1995; Woolley and Lindzey 1994, 1997; Zobell 1963, 1968*a, b*.

### **-Airplane**

Ackerly and Regier 1956; Allen and Samuelson 1982, 1987; Azuara et al. 2001; Bayless 1967, 1968, 1969; Bear 1965, 1969*d*; Bernatas et al. 1999; Bernt 1976*a*, 1976*b*; Bever 1951*b*; Bibaud 1975; Blunt 1948; Bright and Hervert 2003, 2006; Bright et al. 2003; Brown 1954*a*, *b*, 1955; California Department Fish and Game 1966; Cancino et al. 1994*a*, *b*, 1998; Creek 1967; Creekmore and Beyer 2010; Deming 1960; Firchow et al. 1986, 1990; Froggart 1994; Gilman 1960, 1961; Guenzel 1994, 1997, 2000, 2007, 2010; Hall et al. 2000; Hansen 1957, 1958; Hazeltine et al. 1962, 1963; Hazzard 1958; Helms 1978*a*; Hlavachick 1965; Hunt 1948; Jacques 2006; Johnson and Lindzey 1990*a*, *b*; Johnson et al. 1991; Johnson 1967; Kraft et al. 1995; Laake et al. 2008; Lang 1956*b*; Luman 1962; Mace 1949; Martinka 1966*b*; McLean 1944; Nielson 1962; Pate 1969; Pojar 1997, 2004; Pojar et al. 1995; Pojar and Guenzel 1999; Powell 1954; Russo 1965; Snow 1994; Springer 1950; Stokes 1952; Watts 1990*b*; West 1970; Whittaker et al. 2001, 2003.

### **-Camera**

Creekmore and Beyer 2010; Ward et al. 1980.

### **-Ground**

Bear 1965; Bernt 1976*a*, *b*; Blunt 1948; California Department Fish and Game 1966; Creek 1967; Deming 1960; Grue and Morton 2010; Hansen 1957; Hunt 1948; Jackson 1944; Johnson 1967; Leister 1932; Leopold 1933; Mace 1949; McLean 1944; Nielson 1962; Pojar 2004; Sánchez-Sotomayor et al. 1999; Yeaman 1965.

### **-Helicopter**

Autenrieth et al. 1981; Buechner 1950*b*; Donoho and Wills 1974*a*; Firchow et al. 1990; Hazzard 1958; Pojar 1997, 2004; Pojar et al. 1995; Pojar and Guenzel 1999.

### **Ceratomeryx**

see **Prehistoric Pronghorn**

### **Charles Russell National Wildlife Refuge**

see **Refuge/Preserve/Protected Areas: Federal**

### **Charles Sheldon National Wildlife Refuge**

see **Refuge/Preserve/Protected Areas: Federal**

### **Chihuahua, Mexico**

Anderson 1972; Azuara et al. 2001; Chávez 2001; Diario Oficial de la Federación 2009; Habib de Peña y Peña Neira 1982; Hinshaw 1990; Lafon et al. 1998; List and Valdés 2009; Manterola 2001; Ramírez et al. 2000; Sheldon 1925; Treviño 1978*a*; Treviño and Schemnitz 1982; Valdés y Manterola 2006*a*; Villa 1955.

### **Chokecherry**

see **Shrubs**



## **Chromosome**

see **Physical Characteristics/Description**

## **City of Rocks National Reserve**

see **Refuge/Preserve/Protected Areas: Federal**

## **Classification**

see **Taxonomy**

## **Climate**

Bradybaugh and Howard 1982; Brockley 1949; Brown et al. 2006*b, d*; Brown and Shaw 2006; Bruns 1977; DeArment et al. 1966; Deming 1959; Hinman 1959; Hnatiuk 1972*b*; Hughes and Smith 1990; Larsen 1965; Mitchell 1980; Phelps 1978*b*; Salwasser 1980; Schuetze 1993, Schuetze and Miller 1992; Shelford 1954; Simpson and Leftwich 1978; U.S. Fish and Wildlife 1994; Yoakum 2004*b*.

### **-Impacts**

Ackerly and Regier 1956; Barrett 1982*a*; Bernt 1976*a, b*; Bradybaugh and Howard 1982; Brockley 1949; Bruns 1969, 1977; Deblinger and Alldredge 1984; Grayson 1991; Gregg 1955; Halloran 1956; Hansen 1957; Heller 1930; Hepworth 1965; Johnson 1931; Martinka 1965*6c* 1967; Mason 1947; Rand 1947; Rouse 1959; Samuelson 1980; Shelford 1954; South Dakota Department Game, Fish and Parks 1965; Sundstrom 1968*a*; Wilson and Krausman 2008; Yoakum 1957, 1995, 2000*a*, 2002, 2003, 2004*d*.

### **-Drought**

Beale and Scotter 1968; Beer 1944; Brown and Shaw 2006; Brown et al. 2006*d*, 2008; Byers et al. 2005*a*, 2006; Canon and Bryant 1992*b*; Compton 1958; Frank 2007; Greenquist 1983; Hailey 1965; Hailey and DeArment 1969, 1972; Halloran and Glass 1959; Hinman 1959; Jones 1949; Ligon 1927; Nelson et al. 1997; Simpson and Leftwich 1978; Stephenson et al. 1985*a*; Thomas and Rosentreter 1992*a, b*; Yoakum 2004*b*.

### **-Precipitation**

Beale 1978*b*; Bradybaugh and Howard 1982; Brown et al. 2002*a*; Buechner 1950*a*; Canon and Bryant 1992*b*; Cunningham et al. 2008; DeArment 1965; DeArment et al. 1966; DeVos and Miller 2005; Fichter 1962; Fichter and Neilson 1959, 1960, 1962, 1964; Ghaly 1980; Halloran 1956; Hinman 1959; Hockley 1968; Hughes and Smith 1990; Knowlton 1968; Larsen 1965*a*; McKinney et al. 2008; Phelps 1978*b*; Riddle and Oakley 1973*a, b*; Sides et al. 2006*b*; Simpson 2005; Simpson and Leftwich 1978; Simpson et al. 2007; Sundstrom 1968*b*; Wallace 1940.

### **-Snow**

Barrett 1978*b*; Bridge 1942; Brockley 1949*a, b*; Bruns 1969; Grinnell 1929; Guenzel 1988*b*; Hepworth 1970; Hoskinson and Tester 1980; Martinka 1966*a*; McKenzie 1970; Oakley and Riddle 1974; Pate 1969; Riddle and Oakley 1973*a, b*; Rosendale et al. 1980; Rouse 1941; Telfer and Kelsall 1984; West 1970.

### **-Temperature**

Wilson and Krausman 2008; Yoakum 2004*b*.

**-Wind**

Guenzel 1988*b*.

**-Winter**

Armstrong 1966; Barmore 1969; Barrett 1974, 1978*b, c*, 1980*b*, 1982*a; b*; Bibaud 1975; Boccadori 2002; Boccadori and Garrott 2002; Brown and Edwards 2008; Brown et al. 2002*b*; Bruns 1969, 1970, 1977; Compton 1970; Cook 1984; Cook et al. 1984; Cook and Irwin 1984, 1985; Guenzel 1988*b*; Hébert 2006; Hébert et al. 2008; Hofman 1974; LeCount 1987; Martinka 1966*c*, 1967; McKenzie 1970, 1986; McKinney et al. 2008; Oakley and Riddle 1974; Riersgard 1950; Russell et al. 1985; Ryder and Irwin 1987; Simpson and Leftwich 1978; West 1970; White 1969; Wishart 1970.

see **Habitat** **-Habitat Characteristics/Description**

**Coahuila, Mexico**

Baker 1956, 1958; Cancino 2006; Cassaigne et al. 2010; Guardarrama 2001; Manterola 2001; Martínez et al. 2000; Miranda 2000; Miranda and Martínez 2001; Valdés y Manterola 2006*b*.

**Coal**

see **Energy Development**

**Colorado, USA**

Adrian and Keiss 1977; Alldredge et al 1987; Angel and Wicklow 1975; Armstrong 1987; Bailey and Cooperrider 1982; Bear 1965, 1967*b*, 1968*a, b*, 1969*b, c, d*, 1971; Bear et al. 1973*a, b*; Bedrossian and Hein 1985; Brown 1978*b*; Brown 1946; Cary 1911; Collins et al. 1981; Cronquist 1990; Deblinger and Ellis 1976; Donoho and Wills 1974*a, b*; Douglas 1953; Duvall 1990; Elliott 1948; Fairbanks 1992, 1993, 1994; Firchow 1986; Firchow et al. 1986*b*; Fowler 1968, 1969, 1970; Gerlach and Vaughan 1990; Gese et al. 1988; Gray and Pojar 1992; Grinnell 1906; Harrington 2005; Harrington and Conover 2006; Hay et al. 1961; Hoover 1971, 1972; Hoover 1955, 1966; Hoover et al. 1959; Hopper 1990; Kautz and Van Dyne 1978; Keiss and Morrison 1956; Lay 1946; Myers 1974; Ogilvie 1955; Olson 1972; Pojar 1980, 1982, 1984, 1986*a*, 1987, 1988, 1994, 1998; Pojar and Gill 1990; Pojar et al. 1994, 1995, 2002; Prenzlöw 1964, 1965*b*; Ryan et al. 1984; Scarvie and Arney 1957; Schwartz 1977; Schwartz and Ellis 1981; Schwartz and Nagy 1973, 1974, 1976; Schwartz et al. 1976*a*, 1977; Steinert 2000; Strohmeier 1994; Strohmeier et al. 1996; Terwilliger 1946; Tileston and Yeager 1962; Till 1956; Torbit et al. 1984, 1993; United States Department of the Interior 2012*e, r, v*; United States Fish and Wildlife Service 2003; VanSchmus 1990; Wallace 1940; Wesley 1971; Wesley et al. 1969, 1970, 1973; White 1974; Wicklow and Zak 1983; Wilcox 1963.

**Communications**

see **Physical Characteristics/Description**

**Copper**

see **Nutrition**

## **Corridors**

see **Behavior -Migration and/or Seasonal Movements**

## **Cougar**

see **Mountain Lion**

## **Cover**

see **Fawns and Fawning**

see **Habitat**

see **Vegetation**

## **Coyote**

Alcorn 2006; Arrington and Edwards 1951; Bailey 1920; Barnowe-Meyer et al. 2009; Barrett 1978*b*; Beale 1970; Beale and Smith 1972*a*, 1973; Berger 2007; Berger and Conner 2008; Berger et al. 2008; Bowns 1995; Bridge 1942; Brown 2009; Brown and Conover 2011; Bruns 1969, 1970; Canon 1995*a*; Canon and Bryant 1990, 1992*b*; Chambers 1920; Chapman 1946; Chipault and Long 2010; Chronert et al. 2006; Compton 1958; Corneli 1980; Cunningham et al. 2008; Davis and Putman 1951; Dunbar and Giordano 2000; Einarsen 1948; Gese et al. 1988; Grajales 1998; Grajales et al. 2003; Gregg et al. 2001*a, b*; Grinnell 1897; Harrington and Conover 2007; Jackson 1993; Jorgensen 1992; Knowlton 1968; Menzel 1992; Murie 1940; Murie 1935; Neff and Woolsey 1979, 1980; Ockenfels et al. 1992; O’Gara and Malcolm 1988; O’Gara and Shaw 2004; Oregon State Game Commission 1972; Phillips and White 2003; Rand 1947; Reichel 1976; Reynolds 1983; Reynolds and Laundre 1990; Rosko 1948; Rothchild 1993; Rothchild et al. 1994; Sanábria et al. 1996; Seidler 2009; Seidler et al. 2010; Shaw 2000*a*; Smith et al. 1986; Smyser et al. 2006*b*, 2008; Sperry 1941; Thompson 1949; Trainer et al. 1983; Udy 1953; Van Wormer 1963; Von Gunten 1978*a, b*; White 1969; Wilkinson 1995; Willis 1988; Yoakum et al. 2004; Young and Jackson 1951.

see **Predation**

## **Craters of the Moon National Monument and Reserve**

see **Refuge/Preserve/Protected Areas: Federal**

## **Cripple Loss**

see **Hunting**

see **Mortality**

## **Crop Depredation**

see **Farming**

## D

**Deer**

Bailey and Cooperrider 1982; Buechner 1950*d*; Burcham 1957; Ford 1990; Greer 1968; Grimm 1939; Hall 1963; Howard 1967; Jessup et al. 1989; McCullough 1980; Sayana 1952; Singer 1973; Stoddart and Rasmussen 1945; Sundstrom 1966; United States National Park Service 1964; Wobeser et al. 1975; Wood 1989; Wydeven and Dahlgren 1984, 1985; Yoakum 2004*d*.

**-Mule Deer**

Barmore 1969; Berger 1985; Bibaud 1975; Brown 2009; Brown and Conover 2011; Cieminski and Flake 1997; Dehority 1995; Dubey et al. 1982; Easterly et al. 1992; Hansen 1982, 1986; Hansen and Anthony 1999; Harrington 2005; Harrington and Conover 2006, 2007; Heyl 1961; Hoberg and Abrams 2005; Johnson and MacCracken 1978; Karhu and Anderson 2006; Lance et al. 1983; Rickel 2005; Sawyer et al. 2002, 2005; Schuler 2006; Selting 1994; Taylor and Knight 2003; Thorne 1975; United States Federal Highway Administration 1980; Van Donkersgoed et al. 1990; Yoakum 2008*b*.

**-White-tailed Deer**

Bibaud 1975; Clemens et al. 1987; Dehority 1995; Lance et al. 1983; Rickel 2005; Schuler 2006; Selting 1994.

**Dentition**

see **Aging**

see **Physical Characteristics/Description**

**Deoxyribonucleic Acid (DNA)**

see **Physical Characteristics/Description**

**Desert**

see **Habitat -Habitat Characteristics/Description**

**Desert National Wildlife Range**

see **Refuge/Preserve/Protected Areas: Federal**

**Devils Tower National Monument**

see **Refuge/Preserve/Protected Areas: Federal**

**Diet Selection**

Ackerly and Regier 1956; Archer 1982; Bear et al. 1973*a*; Berger et al. 1983; Bever 1948*b*; Bristow et al. 2006*c*; Brown et al. 2008; Buechner 1947*a*, 1948, 1950*a*, *d*, 1960*b*; Cancino 1988, 1994*a*, 2001; Cole 1955, 1956; Cole and Wilkins 1958; Couey 1946*a*, *b*; Creek 1967; Dennehy 1997; Dirschl 1962*a*, 1963; Doell and Smith 1965; Edwards and Ohmart 1981; Ellis and Travis 1975; Eustace and Wentland 1972; Ferrel

and Leach 1950, 1952; Ganey 1998; Gasson 1983; Goldsmith 1988a; Good 1977; Good and Crawford 1978; Griffith 1962a; Grimm 1939; Gullion 1964; Hansen 1982, 1986; Hansen and Anthony 1999; Hansen et al. 2001; Hepworth 1965; Hlavachick 1966a, 1968; Hnatiuk 1972a, b; Holechek et al. 1982; Hoover 1971, 1972; Howard et al. 1982; Jacques et al. 2006; Jeffers 1985; Jeschke and Tollrian 2005; Jones 1991; Kautz and Van Dyne 1978; Kessler et al. 1981; Knowlton 1968; Krueger 1984, 1986; Leopold 1959a; Longshore and Lowrey 2007; Mace 1949; Mason 1952a, b; McInnis et al. 1983, 1990; Medcraft and Clark 1986; Meeker 1979; Messenger and Schitoskey 1980; Miller 2006; Miller and Drake 2005; Monson 1968; Nelle 2006; O'Gara 1970b, 1978a; Olsen and Hansen 1977; Pyle 1972; Pyrah 1970b; Rivals and Semperson 2006; Roebuck et al. 1982; Russell 1964; Russell et al. 1985; Sampson 1952; Sather and Schildman 1955; Scarvie and Arney 1957; Schwartz 1977; Schwartz and Nagy 1973; Scott 1981; Segerstrom 1977; Severson 1966a, b; Severson and May 1967; Severson et al. 1968; Sexson et al. 1980, 1981; Shandruk 1975; Skinner 1922; Smith et al. 1998; Spillett 1964; Stephenson 1982; Stephenson et al. 1985a, b; Stokes 1952; Sundstrom et al. 1973; Taylor 1972a, b, 1974; Terwilliger 1953; Thomas and Rosentreter 1992a, b; Throckmorton 1945; Tileston and Yeager 1962; Tsukamoto and Deibert 1968; Villa 1951; Volesky 1982; Walker 1964; Wambolt and Sherwood 1999; Wambolt et al. 2000; Welch et al. 1983; Yoakum 1957, 1958, 1980, 1986b, 1990, 2004c; Zarn 1981.

#### **-Cafeteria Trials**

Mix and Miller 2010; Smith 1974; Yoakum 2004c.

#### **-Fecal Analysis**

Arizona Game and Fish Department 1981; Beasom et al. 1982a; Cancino 1988, 1994a; Cancino et al. 1993; Drake 2009; Easterly and Guenzel 1992; Glidewell 1970; Goldsmith 1988a; Habib de Peña y Peña Neira 1982; Hansen 1982, 1986; Hansen and Anthony 1999; Hansen et al. 2001; Howard 1967; Howard et al. 1982; Hughes and Smith 1990; Jacobs 1973; Johnson 1979; Johnson and MacCracken 1978; Koerth et al. 1984; Longshore and Lawrey 2007; McInnis 1984; McInnis and Vavra 1987; Messenger 1978; Olsen and Hansen 1977; Palacio 1991; Robinson 2001; Roebuck 1982; Roebuck et al. 1982; Schwartz 1977; Schwartz and Nagy 1976; Sexson 1979; Sexson et al. 1980, 1981; Smith and Shandruk 1979; Smith 1994; Sneva and Vavra 1978; Vavra and Sneva 1978a, b; Wicklow and Zak 1983; Yoakum 2004c.

#### **-Rumen Analysis**

Armstrong 1966; Baker 1953b; Barmore 1969; Bayless 1967, 1968, 1969; Bear et al. 1973a; Buck 1947; Cole 1955; Couey 1946a, b; Dirschl 1962a, b, 1963; Ferrel and Leach 1950, 1952; Hepworth 1965, 1969; Hoover 1966; Mason 1952a, b; McKean 1953; Mitchell and Smoliak 1971; O'Gara and Greer 1970; Ogilvie 1955; Powell 1954; Scarvie and Arney 1957; Schwartz and Nagy 1973, 1974, 1976; Smith and Shandruk 1979; Suetsugu and Menzel 1966; Taylor 1972a, b; Terwilliger 1946; Wentland 1968a, b; Yoakum 1957, 1958, 2004c.

#### **-Observations**

Beale and Smith 1970; Dennehy 1997; Rouse 1941; Schwartz and Nagy 1974; Taylor 1971; Yoakum 2004c; Zarn 1981.

see **Food/Forage**

## **Diseases**

Bever 1950; Chalmers and Barrett 1974*b*; Clark et al. 1988; Clark et al. 1972; Coffey 1954; DeArment 1968, 1972; Dubay et al. 2006; Dubey 1980, 1981; Dubey et al. 1982; Dunbar 1999*a*, 2000; Dunbar and Rhyan 2006; Dunbar and Veralde 1998; Dunbar et al. 1999*a, b*; 2000; Edwards et al. 2001; Effron et al. 1977; Einarsen 1948; Gainer 1994; Hepworth 1961, 1962; Hoff and Hoff 1976; Honess and Winter 1956; Hoover 1955; Howe 1965; Jessup 1985; Jessup and Boyce 1996; Johnson et al. 1986; Kingscote and Bohac 1986; Kingston et al. 1981, 1982, 1990; Lance et al. 1983; Li et al. 1996; O’Gara 2004*e*; Reed et al. 1976; Richards 1963; Rush 1927; Schuler 2006; Skinner 1922; Stauber 1976; Stauber et al. 1980; Sundberg et al. 1983; Thorne 1968; Thorne et al. 1982, 1983*a, b*, 1988; Thorsen et al. 1977; Trainer and Hanson 1969; Trueblood and Post 1959; Van Donkersgoed et al. 1990; Vilček and Nettleton 2006; Vilček et al. 2005; Watkins et al. 1987; Webb et al. 1987; Williams et al. 1983; Wobeser 1984; Wobeser et al. 1975, 1983; Yoakum 1957.

### **-Actinomycosis**

Rush 1932; Yoakum 1957.

### **-Anaplasmosis**

Howe and Hepworth 1965; Howe et al. 1964; Jacobson et al. 1977; Kutter 1989; Lance and Pojar 1984; Scoles et al. 2008; Stauber et al. 1980; Zaugg 1987.

### **-Bluetongue**

Drolet 1989, Drolet et al. 1990; Heffelfinger et al. 2002; Hoff and Hoff 1976; Hoff and Trainer 1972; Johnson et al. 1986; Kistner et al. 1975; Stauber et al. 1980; Thorne et al. 1982, 1988; Trainer and Jochins 1969; O’Gara 2004*f*; Yoakum and O’Gara 1990.

### **-Bovine Virus Diarrhea**

DeArment 1968.

### **-Brucellosis**

Adrian and Keiss 1977; Bailey 1958; DeArment 1965, 1968, 1972; Elzer et al. 2002; Johnson et al. 1986; Lance and Pojar 1984; Stauber et al. 1980.

### **-Capture myopathy**

Carlton 1976; Carlton and McKean 1977; Chalmers and Barrett 1974*a*, 1977, 1982; O’Gara 2004*f*.

### **-Dysentery**

Heller 1930; Reed et al. 1976.

### **-Epizootic Hemorrhage Disease**

Brodie et al. 1998; Chalmers et al. 1964; Clark et al. 1988; Hoff and Hoff 1976; Johnson et al. 1986; Kistner et al. 1975; Lance and Pojar 1984; Powell 1954; Richards 1964; Sundstrom 1968*a*.

### **-Gangrene**

Nagy et al. 1969.

### **-Keratitis**

Hoover 1955; Mankins 1962; O’Gara 2004*f*; Yoakum 1957.

**-Leptospirosis**

Adrian and Keiss 1977; Bailey 1958; Collins et al. 1981; Hoffman 1985; Howe 1966; Thorne 1968; Thorne et al. 1983a.

**-Plague**

Niccolucci 1987.

**-Rabies**

Wempe 1976.

**-Tuberculosis**

Rush 1927.

**-Vibriofetus**

Hepworth 1965; Thorne et al. 1982, Trueblood and Post 1959.

**-Weak Fawn Syndrome**

Bodie and O’Gara 1980.

**Dissertation**

see **Thesis**

**Distribution**

Anderson 1938; Bailey 1926, 1931*b*, 1936; Barrett 1974, 1982*b*; Barrett and Vriend 1980; Beer 1944; Bernt 1976*a, b*; Boyle and Alldredge 1984; Boyle et al. 1999; Buck 1947; Burcham 1957; Burt 1938; Cancino et al. 1994*b*; Calalane 1948; Cary 1911; Caslick and Caslick 1996; Colchero 2001; Crump 1961; Easterla 1965; Einarsen 1948; Elliott 1966; Fairbanks and Tullous 2002; Fashingbauer 1965; Fatooh et al. 1994; Fichter 1956; Fitzner and Gray 1990; Flinders et al. 2002; Fryxell 1926; Furlong 1932; Gainer 1991; González y Lafon 1993; Grinnell 1906; Grinnell 1929, 1933; Guzman 1961; Hall 1946, 1955, 1981; Halloran 1954, 1956; Hay 1914; Hnatiuk 1972*b*; Hoffman et al. 2011; Huey 1964; Hunt 1948; Jakes et al. 2010*a*; Jensen et al. 2004; Jensen and Seabloom 1993; Johnson 1930; Jones 1960; Jones 1964; Larsen 1967*a*; Leopold 1959*b*; Leftwich 1977; Ligon 1927; Long 1965*a*; Lyman 2007; Mace 1949; Mason 1947; McLean 1944; Mearns 1907; Meyers 1963; Mitchell 1980; Newberry 1855; O’Gara 1978*a*; Phelps 1981*a*; Phelps and Webb 1981; Pojar et al. 2002; Polenz 1976*b*; Popowski 1959; Prenzlou 1965*a*; Pyrah 1973, 1974*a*; Ramírez et al. 2000; Rand 1947; Reat 1998; Reat et al. 1999; Reynolds 1986; Roosevelt et al. 1902; Rosendale et al. 1980; Russo 1965; Salwasser 1980; Samuelson 1980; Sather and Schildman 1955; Seton 1927; Sheldon 2005, 2006; Sheldon and Lindzey 2004; Sheldon et al. 2006; Sheriff 2006; Sheriff et al. 2006; Simpson and Leftwich 1978; Skinner 1922; Stelfox 1993; Stokes 1952; Suber 1932; Suetsugu 1970*a, c*; Sundstrom 1969; Sundstrom, et al. 1973; Theler and Pfaffenroth 2010; Tileston and Yeager 1962; Till 1956; Treviño 1978*a*; Treviño and Schemnitz 1982; Tullous and Fairbanks 2002; Villa 1951; Webb 1973; Wood 1989; Yoakum 1968, 1972, 1986*a*, 2004*a*.

**Dogs**

see **Hunting** **-Hunting with Dogs**

## **Domestication**

Heller 1930; Murray 1932; Nagy et al. 1969; Nichol 1942; O’Gara et al. 2004c; Schwartz and Nagy 1974; Schwartz et al. 1976b.

### **-Captivity**

Baird 1852; Baker et al. 1998; Ben Shaul 1962; Blunt and Myles 1998; Bright 2005a, b, c, d, 2006a, b, c, d, 2007a, b, c, d, 2008a, b, c, 2009a, b, c, d, 2010, 2011a, b, c; Brinkley 1987; Cancino and Brinkley 2008; Cancino et al. 2001, 2002, 2005, 2006, 2010; Caton 1877; Clemens et al. 1987; Day et al. 1965; Edwards et al. 2001; Efron et al. 1977; Forthman et al. 1993; Hoover 1972; Johnson and Zeveloff 1987; Mama et al. 2009; Martin and Parker 1997; Miller-Edge et al. 1994; Miller et al. 2001; Muller-Schwarze 1973; Muller-Schwarze and Muller-Schwarze 1972a; Raisbeck et al. 1996; Robinson 2001; Robinson et al. 2001; Ryan et al. 1984; Simmons et al. 2002; Thorne et al. 1983b; Thorsen et al. 1977; Voss 2007; Wild and Miller 1991; Wild et al. 1994; Wilson and Wilson 2007; Wilson et al. 2006, 2008b, 2009; Young et al. 2000.

### **-Castration**

O’Gara and Moy 1972; Pocock 1905.

see **Exhibits**

see **Fawns and Fawning** **-Raising**

## **Dromomeryx**

see **Prehistoric Pronghorn**

## **Drought**

see **Climate**

## **Durango, Mexico**

Baker and Greer 1962.

## **Dysentery**

see **Diseases**

## **E**

## **Eagle**

### **-Bald eagle**

Imler and Kalmbach 1955; O’Gara and Shaw 2004.

### **-Golden eagle**

Arnold 1954; Beale 1986b; Beale and Smith 1972a; Beckmann and Berger 2005; Bruns 1970; Bry 1963; Canon and Bryant 1992b; Compton 1958; Deblinger and Alldredge 1996; Goodwin 1977; Greenquist 1983; Grinnell 1897; Hinman 1960, 1961; Jones 1949; Lehti 1947; Nelson 1962; O’Gara and Malcolm 1988; O’Gara and Shaw 2004; Spofford 1964; Thompson 1949; Tinger 1973, Von Gunten 1978a, b.



## **Ecology**

see **Natural History**

## **Economic Values**

see **Game Ranching**

see **Hunting**

## **Education**

Armstrong 1987; Consejo Nacional de Fomento Educativo 1994; Crichton and Crichton 2005; Delgado y Marquez 1994; Dickens and Andrews 1986; Diem 1968; Funk 1988a; Hawes 2001; Hiser 1973; Juno et al. 2010; Larson 2003; Lewis 1996; Pallares 2004; Pearl 1963a, b; Poten 1991; Realme y González. (Sin fecha); Schemenauer 1986a, b; Scott 1991c; Suetsugu 1975a; Sypulski 1954; Thone 1930; United States Department of Agriculture and United States Forest Service 2012; United States Department of the Interior 2006, 2007a, b, 2012a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z, aa; United States Department of the Interior – National Park Service 1964; United States Fish and Wildlife Service 1962; Urbigit and Goeke 2010; Van Zwoll 1984; Wall 1990.

## **El Pinacate y Gran Desierto de Altar Biosphere Reserve**

see **Refuge/Preserve/Protected Areas: Federal**

## **El Vizcaino Biosphere Reserve**

see **Refuge/Preserve/Protected Areas: Federal**

## **Elevation**

see **Habitat -Habitat Characteristics/Description**

## **Elk**

Bailey and Cooperrider 1982; Bedrossian and Hein 1985; Boccadori 2002; Boccadori et al. 2008; Brown et al. 2004; Brown and Ockenfels 2007; Buechner 1950d; Burcham 1957; Dehority 1995; Greer 1968; Grimm 1939; Harrington 2005; Heyl 1961; Jessup et al. 1989; Karhu and Anderson 2006; Lance et al. 1983; Mross and Doolittle 1967; Rickel 2005; Sayana 1952; Stoddart and Rasmussen 1945; Sundstrom 1966; United States Federal Highway Administration 1980; United States National Park Service 1964; Wild et al. 1994; Yoakum 2004d.

## **Endangered Species**

Allen 1942; Alvarez 1963; Arizona Game and Fish Department 1981; Ben 2002, 2003; Berger 2003; Bermudez 2008; Brennan 1931; Bright 2005a, b, c, d, 2006a, b, c, d, 2007a, b, c, d, 2008a, b, c, 2009a, b, c, d, 2010, 2011a, b, c; Cancino 2005a; Cancino

et al. 1995, 1996, 2006, 1994a, b; Castellanos and Hollard 2003; Castillo et al. 2000; Einarsen 1948; Gabrielson 1935; Hervert et al. 2000a; Hornaday 1913; Hosack et al. 2002; Huey 1964; Hughes and Smith 1990; Ikenson 2003; International Union of Conservation and Nature 1996; Jensen 2002; Krausman et al. 2002, 2004, 2005a, b, c; Landon et al. 2003; Otte 2006; Sanábria et al. 1996; Sánchez-Sotomayor et al. 1999, 2006; Scheffler 2006; Simon 1966; Tabor 2004; Thompson-Olais 1992; United States Congress 1973; United States Fish and Wildlife Service 1982; Yoakum 2004a.

#### **-Recovery Plan**

Bright 2005a, b, c, d, 2006a, b, c, d, 2007a, b, c, d, 2008a, b, c, 2009a, b, c, d, 2010, 2011a, b, c; Cancino et al. 1995, 2000, 2001, 2004, 2006; Carrillo et al. 2004; Castellanos y Sánchez 2010; Castillo-Sánchez 1992; Castillo 1994; Cohn 2007, 2010; Douglas 1953; Hervert 1999, 2001; Hervert et al. 2001, 1995, 2000b; Paredes 1997; Phelps et al. 1982; Thompson-Olais 1992, 1994; United States Fish and Wildlife Service 1982, 1988; Wilson et al. 2010; Yoakum 2004a, e.

#### **Energetics**

see **Nutrition**

#### **Energy Development**

Beckmann and Seidler 2009; Beckmann et al. 2008; Berger et al. 2006b; Berger et al. 2007; Helms 1978b; Levy and Kearney 1999; Mapston 1974; Markham et al. 1976, 1980a, 1982; Munshower and Neuman 1979; O’Gara and Yoakum 2004b; Ongstad et al. 2010.

#### **-Coal**

Autenrieth 1978b; Denver Wildlife Research Center 1976; Irwin 1981; O’Gara and Yoakum 1992; Segerstrom 1982a, b.

#### **-Mining**

Amstrup 1978; Autenrieth 1978b; Bromley 1978; Clark and Medcraft 1986; Deblinger 1988; Helms 1978b; Medcraft and Clark 1986; Moody and Alldredge 1986; Scott and Terrel 1976; Zimmerman 1983.

#### **-Oil and Gas**

Amstrup 1978; Autenrieth 1978b; Beckmann et al. 2006; 2008, 2010; Easterly and Guenzel 1992; Easterly et al. 1992; Helms 1978b; Maffly 2004; Mapson 1974; O’Gara and Yoakum 1992; Sawyer et al. 2002; United States Bureau Land Management 1989.

#### **Environmental Impact Statement**

Masin 1974; Purucker et al. 2007; United States Bureau Land Management 1985b.

#### **Ephedra**

see **Shrubs**

#### **Epizootic Hemorrhage Disease**

see **Diseases**

## **Evolution**

Ahern 1988, 1992; Amor 2000; Barbour and Schultz 1934; Bartlett 1865; Bear 1969b; Beintema et al. 2003, 1979, 1977; Bromley 1978; Brown 2006; Burkhardt 1996; Curtain and Fudenberg 1973; Davis 2007; DeMiguel et al. 2008; Emlen 2008; Fichter and Autenrieth 1978; Furlong 1925, 1927, 1930, 1932, 1935, 1941, 1945; Gazin 1935; Hassanin and Douzery 2003; Heffelfinger 2006; Hernández and Vrba 2005; Hesse 1935; Hoffman 1989; Hornaday 1904; Irwin et al. 1991; Janis and Manning 1998; Leinder 1979; Lull 1921; Lyman 2007; Matthew 1934; Merriam 1909, 1911; Meyers 1963; Mross and Doolittle 1967; O’Gara and Janis 2004b; Radinsky 1985; Scott 1929; Semprebon and Rivals 2007a, 2007b; Simpson 1945; Solounias 1988; Tellgren et al. 2004; Webb 1973.

## **Exhibits**

Ben Shaul 1962; Cancino and Brinkley 2008; Gray 1855; Miller-Edge et al. 1994; Simmons et al. 2002; Voss 2007; Wilson and Wilson 2007.

## **Extinction/Extirpation**

Allen 1942; Alvarez 1963; Brennan 1931; Gabrielson 1935; Grayson 1991; Grayson and Meltzer 2002; Huey 1964; Jones 1964; Pearl 1963b; Lull 1921; Rush 1942; Sundstrom 1968a; Tabor 2004; United States Department of the Interior 2012*l, q, r*; Whitaker 1966; Yoakum 2004a, e.

see **Endangered Species**

## **Eye Lens**

see **Aging**

see **Physical Characteristics/Description**

## **Eyesight**

see **Physical Characteristics/Description –Vision**

# F

## **Farming**

Haag 1986; Halstead 2001; Hepworth 1970; Koch and Yoakum 2002; Leftwich 1977; Leftwich and Simpson 1978a, Pojar 1996.

### **-Agriculture**

Gibbs et al. 1993; Griffin 1991; Haag 1986; Jones 2009; Liewer 1988; Liewer et al. 1986; Miller 1995; Moore 1968; Moore et al. 1968; Pojar 1996; Robart 1985; Ryan et al. 1984; Schemnitz 1994; Selting and Irby 1997; Urness 1986.

### **-Crop Depredations**

Ackerly and Regier 1956; Alldredge et al 1987; Austin and Urness 1995; Buechner 1960a, b, 1961; Cole 1953, 1955. 1956; Cole and Wilkins 1958; Conover and Decker

1991; Dirschl 1960; Dube 1986; Hepworth 1970; Hlavachick 1966a; Hoover et al. 1959; Hygnstrom et al. 2006; Irby et al. 1997; Liewer 1988; Liewer et al. 1986; Mathisen 1960; Sather and Schildman 1955; Schemnitz 1983; Schneidmiller 1987; Selting 1994; Stokes 1952; Strohmeyer 1994; Strohmeyer et al. 1996; Torbit et al. 1993; Wagner et al. 1997; Yoakum 1958.

## **Fawns and Fawning**

### **-Behavior**

Avsharian et al. 2006; Bromley 1967; Byers 1986, 2003a; Fichter 1972a, 1974, 1976; Lent 1974; Miller 1998; Miller and Byers 1991; O’Gara et al. 1986; Prenzlow 1964; Warnecke and Brunner 2006.

### **-Fawning Areas/Cover**

Alldredge et al. 1991; Autenrieth 1976, 1980b, 1982b; Autenrieth and Fichter 1975; Barrett 1981, 1984; Bodie 1979a, b; Bromley 1977, 1978; Bryant 1998; Canon 1993; Canon and Bryant 1990, 1992a, 1997; Cunningham et al. 2008; Deblinger 1988; Dorothy Ticer and Miller 1994; Einarsen 1948; Fairbanks and Stastny 2002; Fichter 1972b, 1974; Gregg et al. 2001a, b; Hervert et al. 2001; Hoover et al. 1959; Huber 1992; Jones and Yoakum 2010; Larsen 1970; Lehman et al. 2009; McNay and O’Gara 1982; Mitchell 1965; Ockenfels et al. 1992; O’Gara et al. 1986; Perry and Miller 1994; Pyrah 1974a, b, 1987; Stastny 2004; Stastny and Fairbanks 2004; Ticer 1998; Ticer and Miller 1994; Trainer et al. 1983; Tucker 1979; Tucker and Garner 1983; VanSchmus 1990; Vriend and Barrett 1978; Warnecke and Brunner 2006; Willis 1988; Willis et al. 1993.

### **-Growth**

Beale 1974a; Beale and Holmgren 1975; Martin 1995; Martin and Parker 1997; Wild et al. 1994; Wright et al. 1962.

### **-Loss/Mortality/Survival**

Autenrieth 1978b, 1980b, 1982b, 1984b; Avsharian et al. 2006; Banks et al. 2008a; Barrett 1978b, 1984; Bayless 1967, 1968, 1969; Beale 1973, 1974a, 1978b, 1986b; Beale and Smith 1972a, b, 1973; Beale and Scotter 1968; Beale and Holmgren 1975; Berger 2006, 2007; Bodie 1978, 1979a, b; Bodie and O’Gara 1980; Bradybaugh and Howard 1982; Bright and Hervert 2005; Brown et al. 2002b; Byers 1997b; Byers and Byers 1983; Canon 1993; Canon and Bryant 1990, 1992b; Corneli 1980; Corneli et al. 1984; Cunningham et al. 2008; Dubay et al. 2006; Dunbar 2000; Dunn et al. 2011; Ellis 1970, 1972; Fairbanks 1993; Fichter and Neilson 1964; Folker 1956a, b; Fulbright 1978; Gregg et al. 2001a, b; Hervert et al. 2001; Hinman 1959, 1961; Hollenbach 1988; Ingold 1969; Jones and Yoakum 2010; Jorgensen 1992; Larsen 1970; Mason 1947; McDonald 2005; Mitchell 1980; Neff and Woolsey 1979, 1980; Ockenfels 2006; Ockenfels et al. 1992; O’Gara 1970a, 1999b; O’Gara et al. 1986; Payne 1985; Powell 1954; Smyser et al. 2006b, 2008; Tinger 1973; Trainer et al. 1983; Tucker 1979; Tucker and Garner 1980b; Von Gunten 1978a, b; Vriend and Barrett 1978; Willis et al. 1993; Zimmer 2004.

### **-Seasons**

Ackerly and Regier 1956; Bradybaugh and Howard 1982; Fairbanks 1993; Fairbanks and Stastny 2002; Leopold 1948; Mitchell 1967, 1980; Ticer et al. 2000.

### **-Production/Recruitment**

Autenrieth 1984*b*; Autenrieth and Fichter 1975; Beale 1978*b*, 1986*b*; Beale and Smith 1966; Bodie 1979*a*; Bristow et al. 2006*a, b, c*; Bromley 1978; Cunningham et al. 2008; Dubai et al. 2006; Dunn et al. 2011; Gregg et al. 2001*a, b*; Hall et al. 2000; Howard et al. 2000; Jones and Yoakum 2010; McDonald 2005; Ockenfels 2006; Simpson 2005; Smyser 2005, 2008; Smyser et al. 2005, 2006*b*, 2008; Sprague et al. 2004; United States Fish and Wildlife Service 1995; United States Forest Service 1989; Vriend and Barrett 1978; Wyoming Game and Fish Department 1982; Zimmer 2004.

### **-Raising**

Autenrieth and Fichter 1975; Ben Shaul 1962; Blunt and Myles 1998; Brinkley 1987; Bromley and O’Gara 1967; Bromley and Kitchen 1974; Cancino 2006, 2007; Cancino and Brinkley 2008; Cancino et al. 2001, 2005; Cancino and Guenzel 2002; Chatten and Lassen 1950; Fichter 1962; Floyd 1924; Hoover et al. 1959; Kitchen 1974; Lance et al. 1983; Martin and Parker 1997; Miller et al. 2001; Muller-Schwarze 1973; Muller-Schwarze and Muller-Schwarze 1972*a*, 1973; Nagy et al. 1969; Nichol 1942; Ramírez 1985; Starr 1934, Schwartz and Nagy 1974; Schwartz et al. 1976*b*; Spillett 1964; Throckmorton 1945; Voss 2007; Wild and Miller 1991; Wild et al. 1994; Wilson and Wilson 2007.

### **-Response to Environmental Factors**

Autenrieth 1984*b*; Beale and Smith 1966, 1970; Beale and Holmgren 1974, 1975; Bodie 1978; Bradybaugh and Howard 1982; Bromley 1978; Craig 1963; Fairbanks 1993; Fairbanks and Stastny 2002; Hailey 1965; Hall et al. 2000; Hansen 1957; Heller 1930; Hess 1986; Jones and Yoakum 2010; Larsen 1964*a, b*; McNay 1980; Ockenfels et al. 1992; O’Gara et al. 1986; Perry and Miller 1994; Rothchild et al. 1994; Sadak 1987; Tucker 1979; Vriend and Barrett 1978; West 1970; Wilson and Krausman 2008.

### **-Response to Predation**

Arrington and Edwards 1951; Autenrieth 1980*b*, 1982*b*, 1984*b*; Barrett 1984; Berger 2006; Bodie 1979*a, b*; Bromley 1978; Byers and Byers 1983; Compton 1958; Doell and Smith 1965; Einarsen 1948; Ellis 1972; Gregg et al. 2001*a, b*; Hess 1986; Jones and Yoakum 2010; Knowlton 1968; McNay 1980; Menzel 1992; Neff and Woosly 1979, 1980; Ockenfels 2006; Ockenfels et al. 1992; O’Gara and Malcolm 1988; O’Gara and Shaw 2004; Rosko 1948; Von Gunten 1978*a, b*; Vriend and Barrett 1978; Willis 1988; Willis et al. 1993; Yoakum 2010*b*; Yoakum et al. 2004.

see **Trapping/Translocation**

### **Fecal analysis**

see **Diet Selection**

### **Feeding Habits**

see **Food/Forage**

see **Diet Selection**

see **Supplemental Feeding**

## **Fences**

Anderson and Denton 1980; Autenrieth 1978; Beale 1974*b*; Bear 1968*a*, 1969*a*, *c*; Benson 1956; Bruns 1969; Buechner 1947*a*, 1950*c*; Campbell 1970*a*, *b*, 1972; Crawford and Pate 1968; Denny 1964; Greenquist 1983; Griffith 1962*a*; Gross et al. 1983; Hailey 1965, 1979; Hailey and DeArment 1969, 1972; Haley 1949; Harrington 2005, Harrington and Conover 2006; Helms 1978*b*; Hepworth 1965, 1966; Hockley 1968; Howard and Lara 1982; Howard et al. 1973, 1990, 2000; Interstate Antelope Conference 1962; Jaeger 1961; Jewett 1946; Jones 2011; Karhu and Anderson 2006; Karsky 1988; Kerr 1968; Kindschy 1996; Kindschy et al. 1978, 1982; Knowlton 1968; Larsen et al. 2011; Long 2011; Mapston 1968, 1972; Mapston and Zobell 1972; Mapston et al. 1970; May 1968; McAtee 1939; McNay and O’Gara 1982; Milek 1966; Monson 1968; Moody and Alldredge 1986; Newman 1966*a*; Oakley 1973; Oakley and Riddle 1974; O’Gara and Yoakum 1992; Ogilvie 1953; Pojar et al. 1994; Popowski 1959; Rand 1947; Riddle and Oakley 1973*a*, *b*; Rouse 1954, 1962; Russell 1951; Ryder et al. 1984; Salinas 1948; Schneidmiller 1987; Scott 1992; Sheldon 2006; Sill 1964; Spillett 1965; Spillett et al. 1967; Sutor et al. 2010; Sundstrom 1966, 1967, 1968*c*, 1969; Sundstrom and Hepworth 1967; Thompson-Olais 1992, 1994; Ticer et al. 2002; Townsend 1972; United States Bureau Land Management 1965, 1985*a*; United States Forest Service 1988; Van Ripper III et al. 2001; Vana 2010; Ward et al. 1976, 1980; White 1969; Yeaman 1965; Yoakum 1975, 1978*a*, 1980, 1988, 1995, 2004*f*, *g*; Yoakum and O’Gara 1990; Yoakum et al. 1980, 1995; Zarn 1981; Zobell 1963, 1968*a*, *b*.

### **-Barriers to Movement**

Gross et al. 1983; Harrington 2005; Hofman 1974; Howlett et al. 2010; Jakes et al. 2010*b*; Maffly 2004; Newman 1966*a*; Quammen 2010; Sheldon 2005, 2006; Sheldon et al. 2006; Spillett 1965; Spillett et al. 1967; Sutor 2011; Van Riper III et al. 2001; Van Riper III and Ockenfels 1998.

### **-Passes**

Bear 1968*a*; Gross et al. 1983; Howard et al. 1990; Mapston 1968, 1970, 1972; Mapston et al. 1970; Mapston and Zobell 1972; Pate 1968*a*; Plumb et al. 2003; Yoakum 1980, 2004*f*; Zobell 1968*a*.

## **Fertilizer**

see **Habitat -Enhancement**

## **Fetus**

see **Reproduction**

## **Fires Wild/Prescribed**

Allen 1942; Courtney 1986, 1989; Crouch and Heslin 1995; Durbin 1997; Gates 1983; Gates and Eng 1984; Gregg 1997; Greenquist 1983; Gruell 1995, 1996; Hazeltine et al. 1962, 1963; Howard 1995; Kindschy 1986; Kindschy et al. 1982; Long 1965*b*; Rand

1947; Regan 2010; Scott 1989; Scott and Geisser 1996; Simpson and Leftwich 1978; U.S. Fish and Wildlife Service 1994; Yoakum 1978a, c, 1979, 1980, 1982, 1983, 2000a, 2004f.

see **Habitat -Enhancement**

## **Florida, USA**

Elliott 1966; Webb 1973; White 1941.

## **Food/Forage**

### **-Cactus**

Cancino 1988; Goldsmith 1988a, b, 1992; Hailey 1979; Hlavachick 1968; Hoover et al. 1959; Hughes and Smith 1990; Leopold 1959; Lumholtz 1912; McCarthy 1981; Ockenfels et al. 1994; Roebuck 1982; Sexson 1979; Stelfox and Vriend 1977; Yoakum 1980, 1990, 2004c.

### **-Forbs**

Buechner 1947a, b; Douglas 1953; Hall et al. 2000; Holechek 1984; Howard et al. 1982; Sather and Schildman 1955; Smith and Beale 1980; Terwilliger 1946, 1953; United States Fish and Wildlife Service 1994; Yoakum 1980, 1990, 2004b, c.

### **-Grass**

Holechek 1984.

### **-Lichens**

Bernt 1976a, b; Thomas and Rosentreter 1992a, b; Yoakum 1958.

### **-Shrubs**

see **Shrubs**

### **-Season of Use**

Amstrup 1978; Beale 1963; Beale and Smith 1970; Beale and Scotter 1968; Becker 1972a, b; Bernt 1976a, b; Brockley 1949a, b; Bruns 1977; Campbell 1970a, b, 1972; Chávez 2001; Cole 1955, 1956, 1957, 1959; Cole and Wilkins 1958; Dalton 2009; Douglas 1953; Gay 1984; Gregg 1955; Grimm 1939; Hansen et al. 2001; Hepworth 1970; Hjersman and Yoakum 1959; Hlavachik 1966a; Hoskinson 1977; Hoskinson and Tester 1980; Larsen 1966; Lovaas and Bromley 1972; Martinka 1966a; McDonald et al. 2010; McKean 1953; Mitchell 1980; Pyle 1972; Roberts 1970; Rouse 1941; Salwasser 1980; Schwartz and Nagy 1976; Smith et al. 1965; Smith and Malechek 1974; Yoakum 1958, 2004c.

see **Diet selection**

see **Habitat Enhancement**

see **Supplemental Feeding**

## **Food Habits**

see **Diet Selection**

see **Food/Forage**

see **Supplemental Feeding**

**Forage Production**

see **Habitat -Habitat Enhancement**

see **Vegetation**

**Foraging**

see **Behavior**

**Forbs**

see **Food/Forage**

see **Nutrition**

see **Vegetation**

**Fort Niobrara National Wildlife Refuge**

see **Refuge/Preserve/Protected Areas: Federal**

**Fort Union National Monument**

see **Refuge/Preserve/Protected Areas: Federal**

**Fossil Butte National Monument**

see **Refuge/Preserve/Protected Areas: Federal**

**Fossils**

see **Paleontology**

see **Prehistoric Pronghorn**

**G**

**Game Ranching**

Brown et al. 1999; Hopper 1990; Morgan 1988; White 1987.

**-Economics**

Atcheson 1972; Baird 1852; Brown et al. 1999.

**Gangrene**

see **Diseases**

**Genetics**

Amor 2000; Amor et al. 2001, 2006; Baccus et al. 1983; Barnowe-Meyer 2009; Blake et al. 1997; Carling 2000, 2002, 2004; Carling et al. 2003a, b; Dain 1977; Denome et al. 1994; Dunn and Byers 2008; Dunn et al. 2010, 2011; Gallagher et al. 1994; Gilson et al. 2000; Hassanin and Douzery 2003; Heffelfinger 1996; Jenks et al. 2006; Keleher 2010; Keleher et al. 2010; Lee 1990b, 1992b; Lee et al. 1989, 1991, 1994; Lee and Fairbanks 1998; Lou 1998; Menke 1992; O’Gara 1999b, 2004c; Onami et al. 2007; Reat 1998; Reat et al. 1999; Rhodes et al. 1999, 2001; Scott 1990; Sprague 2010; Stephen et al. 2002, 2004, 2005a, b.



**Geographic Information System (GIS)**

see **Habitat –Monitoring**

**Gestation Period**

see **Reproduction**

**Gila Cliff Dwellings National Monument**

see **Refuge/Preserve/Protected Areas: Federal**

**Glacier National Park**

see **Refuge/Preserve/Protected Areas: Federal**

**Glands**

see **Physical Characteristics/Description**

**Glen Canyon National Recreation Area**

see **Refuge/Preserve/Protected Areas: Federal**

**Goats**

Clark et al. 1972; Leftwich 1977; Leftwich and Simpson 1978a; Yoakum 2004d.

**Grand Canyon National Park**

see **Refuge/Preserve/Protected Areas: Federal**

**Grand Teton National Park**

see **Refuge/Preserve/Protected Areas: Federal**

**Grass/Grassland**

see **Food/Forage**

see **Habitat**

see **Habitat**

see **Vegetation**

**Grazing Systems**

see **Livestock**

**Greasewood**

see **Shrubs**

**Great Basin National Park**

see **Refuge/Preserve/Protected Areas: Federal**

**Great Sand Dunes National Park and Preserve**  
see Refuge/Preserve/Protected Areas: Federal

**Greyhounds**  
see Dogs

**Guadalupe Mountains National Park**  
see Refuge/Preserve/Protected Areas: Federal

## H

### **Habitat**

Bibaud 1975; Boyd 2008; Irby 1981; Irwin et al. 1984; Longshore and Lowrey 2007; O’Gara and Yoakum 2004*b*; Phelps 1978*b*; Pojar 1987, 1988; Seagel 2007; Tsukamoto 1983*a*; Tsukamoto and Tanner 2003; Villa 1977; Wagner 1980; Wallace and Marsh 2005; Wishart 1978; Yoakum 1974, 1978*b*, 1980, 1988, 1994, 2003, 2004*f*, 2006*a*; Zarn 1981.

#### **-Habitat Characteristics/Description**

Lafon et al. 1998; Neff 1986; Perry 1996; Yoakum 1972, 2004*b*.

##### *-Corridors*

Arrandale 2008; Berger 2004; Berger et al. 2006*a, c*; Ockenfels et al. 2008; Van Ripper III and Ockenfels 1988; Van Ripper III et al. 1997, 2001.

##### *-Cover*

Alexander and Ockenfels 1994; Hughes and Smith 1990; Kindschy et al. 1978, 1982; Salwasser 1980; Schuetze 1993, Schuetze and Miller 1992; Wallace and Marsh 2005.

##### *-Crucial/Critical*

Autenrieth 1978; Easterly and Gunzel 1992; O’Gara and Yoakum 1992; Yoakum 2004*b, e*.

##### *-Climate*

Gay 1984.

##### *-Desert*

Arizona Game and Fish Department 1981; Brown 1992; Brown et al. 2008; Brown and Webb 1979; Cancino 1988; Cancino et al. 1994, 1995; Cieminski and Flake 1997; Clary and Holmgren 1982; Clemente et al. 2006; Heady and Bartolome 1977; Hughes and Smith 1990; Jaeger 1956; Monson 1968; Phelps 1978*b*; Smith 1993*a*; Smith et al. 1996; Sneva and Vavra 1978; Taylor 1968; Thompson-Olais 1992, 1994; Tluczek et al. 2010; United States Fish and Wildlife Service 1982; Wilson and Krausman 2008; Yoakum 2004*b*.

##### *-Elevation*

Margolin 1978; Mitchell 1980; Russo 1965, Yoakum 2004*b*.

##### *-Grasslands*

Aiken 2005; Bakker et al. 2006; Beale and Smith 1972*b*; Brown et al. 2008; Eccles 1996; Eccles et al. 1994; England and DeVos 1969; Frank 2007; Howe 2002; Risch and Frank 2006; Rothchild 1993; Stelfox and Vriend 1977; Wyckoff 1984.

*-Meadow*

Salwasser and Shimamoto 1984, Yoakum 2004*b*.

*-Playa*

Dunbar 2001; Good 1977; Good and Crawford 1978.

*-Shade*

Yoakum 2002*b*, 2004*b*.

*-Soils*

Barrington 1978; Bristow et al. 2006*b*; Fichter 1962; Larsen 1966, Mitchell 1980; Wiltse 1978.

*-Topography*

Barnowe-Meyer et al. 2010; Beasom et al. 1983; Clary and Beale 1983; Elliott 1948; Guenzel 1988*b*; Kerr 1968; Schuetze 1993; Schuetze and Miller 1992; Yoakum 1974, 1980, 2004*b*.

**-Enhancement**

Aoude and Danvir 2002; Brown and Ockenfels 2007; Clark 2006; Deblinger and Alldredge 1984, 1989, 1991; Fichter 1974, 1976; Griffith 1962*a*; Guillion 1958; Heady 1988; Heady and Bartholome 1977; Hepworth 1965; Hervert et al. 2001; Hooley 1992; Kindschy et al. 1978; Kindschy et al. 1982; Langdon 1964; Leopold 1959*a*; Long 1965*b*; Payne and Bryant 1994; Pollak 2007; Pyrah 1968; Roberts 1970; Salwasser 1980; Segerstrom 1982*a, b*; Sloane and Wolfe 1980; Stanton 1962; Sumner 2006*a*; United States Department of the Interior – National Park Service 1964; United States Fish and Wildlife Service 1994; United States National Park Service 1964; United States Soil Conservation Service 1989; Urness 1986; Wagner 1978, 1983; Warnock 2006; Wentland 1968*a, b*; White 1987; Woody 1970; Yoakum 1978*a, b, c*, 1979, 1980, 1982, 1983, 1986*b*, 1988, 1995, 2003, 2004*f*, Yoakum and O’Gara 1990; Yoakum et al. 1980, 1988, 1996.

*-Cover*

Aoude and Danvir 2002; Beardahl and Sylvester 1974; Kindschy et al. 1978, 1982; Shaw 2000*b*.

*-Fertilizer*

Barrett 1979; Yoakum 2004*f*.

*-Fire*

Courtney 1986; Crouch and Heslin 1995; Farinetti and Nunn 2001; Gates 1983; Gates and Eng 1984; Gregg 1997; Gruell 1995, 1996; Hazeltine et al. 1962, 1963; Howard 1995; Kindschy 1986; Kindschy et al. 1982; MacPhee 1991; Rand 1947; Stelfox and Vriend 1977; Yoakum 2000*a*; Yoakum et al. 2008.

*-Forage Production*

Avery and Caldwell 2010; Beale and Smith 1970; Dirschl 1960; Gabrielson 1935; Hailey et al. 1964; Scarvie and Arney 1957; Taylor 1971, 1974, 1975; Wilson et al. 2010; Yoakum 1980, 1982, 1983, 2004*c*.

see **Rangeland Improvements**

see **Vegetation Restoration**

see **Water Developments/Improvements**

**-Loss or increase of**

Alberta Forestry, Lands and Wildlife 1986; Andrews et al. 1986; Arrandale 2008; Beckmann and Seidler 2009; Beckmann et al. 2006, 2008, 2010; Berger et al. 2006*b*; Berger et al. 2007; Brown and Ockenfels 2007; Clark and Medcraft 1986; Colchero et al. 2006; Denver Wildlife Research Center 1976; Gibbs et al. 1993; Glaholt 1984; Harris et al. 2009; Jakes et al. 2010*a, b*; Laliberte and Ripple 2004; Leftwich and Simpson 1978*a*; Lowry 1978; Ockenfels et al. 2000*a*, 2006; O’Gara and McCabe 2004; Ongstad et al. 2010; Salwasser 1980; Sawyer et al. 2002; Scott and Terrel 1976; Segerstrom 1982*a, b*; Senn 1996; Sides et al. 2006*a*; Simpson and Leftwich 1978; Van Riper III and Ockenfels 1998; Van Riper III et al. 1997; Warnock 2006; Yoakum 1968, 2008*d*.

see **Urban Development**

**-Monitoring**

Cid et al. 1991; Clark 2006; Cooperrider et al. 1986; DeVos 1999; Forest 1984; Glaholt 1984; Gonzales and Cancino 2001; Guillion 1958; Jatnieks 1982; Jatnieks-Straumanis 1984; Longshore and Lowrey 2007; Ockenfels et al. 1996*a, b*, 2000*b*; Ockenfels and Wennerlund 1994; Samuelson 1980; Sides et al. 2006*a, b*; Smyser et al. 2006*c*; Talmon 1978; Ticer and Ockenfels 2001; United States Bureau Land Management 1980; Yellowstone National Park 1997; Yoakum 1980, 2003, 2004*f*, 2008*c*.

*-Geographic Information System*

Aiken 2005; Eccles 1996; Huber 1992; Jensen et al. 2004; Knaga 2006; Knaga and Bender. 2008; Ockenfels and Wennerlund 1994; Ockenfels et al. 1992, 1996*a, b*; Talmon 1978; Wallace and Marsh 2005.

*-Measurements*

Cooperrider et al. 1986; Huber 1992; Taylor 1971, 1974.

*-Modeling*

Allen and Armbruster 1982; Allen et al. 1984; Clark 2006; Colchero et al. 2006; Cook 1984; Cook et al. 1984; Cook and Irwin 1984, 1985; Irwin and Cook 1985; Kindschy et al. 1978, 1982; Lutz 2010; O’Brien et al. 2005; Perry 1996; Purucker et al. 2007; Seagel 2007; Sheriff 2006; Sheriff et al. 2006; Ticer and Ockenfels 2001.

**-Physiography**

Barnowe-Meyer et al. 2010; Bromley 1978; Byers and Moodie 1990; Hughes and Smith 1990; Mitchell 1980; Ockenfels et al. 1994; Schuetze and Miller 1992; Yoakum 2004*b*.

**-Quality**

Barrett 1979; Barrington 1978; Byers 2006; Clark 1979; Guillion 1958; Ockenfels et al. 1996*a, b*; Purucker et al. 2007; Seal and Hoskinson 1978; Sundstrom 1968*b*, Vana 2010; Wallmo 1951; Willis et al. 1988; Yoakum 1980*b*.

**-Requirements**

Alvarez 1963; Arnold 1954; Avery and Caldwell 2010; Bailey 1936; Barrett 1982*b*; Barrington 1978; Bayless 1967, 1968, 1969; Bear 1965; Beer 1944; Bright and Van Ripper III 2001; Brown and Edwards 2008; Buechner 1950*d*; Carpenter 1970; Caton 1877; Clary and Beale 1983; Cole 1959; Creek 1967; Easterly and Guenzel 1992; Einarsen 1948; Elliott 1948; Foree 1959; Glaholt 1984; González and Cancino 2001;

Guillion 1958; Halloran 1956; Hazeltine et al. 1962, 1963; Hepworth 1973; Hlavachick 1965; Howard et al. 1990; Hughes and Smith 1990; Larsen 1967a; McGowen 1970; Montei and Hlavachick 1974; Nelson 1925; Nietfeld et al. 1984; O'Gara and Yoakum 1990, 1992; Phelps 1978; Popowski 1959; Prenzlou 1965a; Rand 1947; Richardson 2006; Rush 1944; Schuetze 1993; Schuetze and Miller 1992; Smyser 2005; Smyser et al. 2005; Stutz 1967; Suetsugu 1970a; Sundstrom et al. 1973; Townsend 1972; United States Bureau Land Management 1980; Villa 1951; Wentland 1968a, b; Yoakum 1974, 1978b, 1980, 1988, 1994, 2003, 2004b, f; Yoakum et al. 1996.

**-Seasonal use**

Barrett 1980b, 1984; Boyle et al. 1999; Bright et al. 2001; Bright and Van Ripper III 2000a, b; Cole 1955, 1956, 1957, 1959; Courtney 1987; Deblinger and Alldredge 1984; DeVos and Miller 2005; Dube 1985; Freeman 1971; Good 1977; Good and Crawford 1978; Hervert et al. 2005; Hughes 1991; Kolar 2009; Kolar et al. 2008; Krausman et al. 2002, 2005a; Medcraft and Clark 1986; Ockenfels et al. 1994, 2008; Pyrah 1971, 1973, 1987; Rothchild 1993; Scott and Geisser 1996; Simpson 1992; Taylor 1974; Wilson 2009; Wood 1989.

*-Spring*

Barrett 1980b; Bodie 1978; Palacio 1991; Salwasser 1980; Schuetze 1993, Schuetze and Miller 1992; Trainer et al. 1983; Yeo 1988; Yoakum 2004b.

*-Summer*

Amstrup 1978; Boyle 1981; Boyle and Alldredge 1984; Gregg 1955; Hoskinson 1977; Hoskinson and Tester 1980; Palacio 1991; Salwasser 1980; Schuetze 1993, Schuetze and Miller 1992; Skinner 1922; Smith and Malachek 1974; Trainer et al. 1983; Yoakum 2004b; Wentland 1968a, b.

*-Autumn*

Hoskinson 1977; Hoskinson and Tester 1980; Salwasser 1980; Yeo 1988; Yoakum 2004b.

*-Winter*

Amstrup 1978; Barrett 1974, 1982a; Bayless 1967, 1968, 1969; Bernt 1976a, b; Boccadori 2002; Boccadori and Garrott 2002; Brockley 1949a, b; Bruns 1969, 1977; Carpenter 1970; Caslick and Caslick 1996; Compton 1970; Cook et al. 1984; Cook and Irwin 1984, 1985; Easterly and Guenzel 1992; Easterly et al. 1992; Fichter and Neilson 1962; Gay 1984; Grue 1997; Guenzel 1988b; Guenzel et al. 1982; Hepworth 1970; Hofman 1974; Hoskinson and Tester 1980; Johnson 1931; Jones et al. 2008a, b; Kemp 1983; Kilgore and Fairbanks 1997; Martinka 1967; Mason 1947; O'Leary et al. 1990; Ongstad et al. 2010; Rand 1947; Rouse 1959; Ryder 1983; Ryder and Irwin 1987; Salwasser 1980; Samuelson 1980; Scott 1991b; Shelford 1954; Simpson and Leftwich 1978; Stastny 2004; Sundstrom 1968a; United States Bureau Land Management 1989; Yoakum 1957, 2004b.

**Hares**

see **Rabbits/Hares**

**Hart Mountain National Antelope Refuge**

see **Refuge/Preserve/Protected Areas: Federal**

**Harvest**

see **Hunting**

**Hawaii, USA**

Amstrup et al. 1980; Bromley 1972; Craig 1963; Kramer 1971; Nichols 1960.

**Health** (Pronghorn)

Dunbar and Velarde 1998; Dunbar et al. 1999a, b; Gainer 1994.

see **Blood**

see **Bones**

see **Carotin**

see **Copper**

see **Dentition**

see **Deseases**

see **Diet selection**

see **Glands**

see **Nucleic Acids/Chromosome/Deoxyribonucleic Acid/Ribonucleic Acid/Amino**

**Acid**

see **Nutrition**

see **Parasites**

see **Parturition**

see **Physiology**

see **Reproduction**

see **Starvation**

**Hearing**

see **Physical Characteristics/Description**

**Helicopter**

see **Census**

**Herbicides**

see **Pesticides/Herbicides/Insecticides**

**Herd Composition**

Ackerly and Regier 1956; Bear 1968b; Brown 1954b, 1955; Bruns 1969; Buechner 1950a; Cancino et al. 1994a; Chattin and Lassen 1950; Creek 1967; Doell and Smith 1965; Donoho and Willis 1974a, b; Fichter 1956, 1957, 1958; Fichter and Autenrieth 1978; Folker 1956a, b; Gregg 1955; Griffith 1962a; Hailey 1965; Hansen 1955; Hay et al. 1961; Hazeltine et al. 1962, 1963; Hess 1986, 1988; Hockley 1968; Ingold 1969; Johnson

1967; Kohlmann 2004; Lang 1956a; Martinka 1966b; Mitchell 1972b; O’Gara 1978a; Pojar 2004; Pojar et al. 1995; Powell 1954; Prenzlów 1965a; Pyshora 1987; Roberts 1970; Russo 1965; Vriend and Barrett 1978; White 1974; Zimmer and Lindzey 2002.

### **Hermameryx**

see **Prehistoric Pronghorn**

### **Hidalgo, Mexico**

Alvarez 1964.

### **Highway**

Hacker 2002; Ockenfels and Wennerlund 1994; Van Ripper III and Ockenfels 1998; Van Ripper III et al. 1992, 2001.

#### **-Barriers to Movement**

Castillo-Sánchez 1999; Dodd et al. 2011; Gollop 1982; Hacker 2002; Hofman 1974; Kirkwood 2011; Maffly 2004; Ockenfels et al. 2000a; Ogilvie 1953; Sprague 2010; United States Federal Highway Administration 1980; Van Riper III et al. 2001; Van Riper III and Ockenfels 1998; Ward et al. 1976, 1980.

#### **-Roads**

Gavin 2004; Gavin and Komers 2006; Ockenfels and Wunnerlund 1994; Ogilvie 1953; Pietz 1966; Sawyer and Rudd 2005; Sheldon 2005, 2006; Sheldon et al. 2006; Sheriff 2006; Van Ripper III et al. 1998, 2001, Ward et al. 1976, 1980.

see **Mortality**

### **Historical Accounts**

see **Indians/Native Americans**

see **Settlers/Pioneers**

### **Home Range**

Bayless 1967, 1968, 1969; Bright 1999; Bright et al. 2001; Bright and Van Ripper III 2000a, 2001; Canon and Bryant 2006; Clemente et al. 1995; Goldsmith 1984; Gregg 1955; Grinnell 1906; Hervert et al. 2005; Jacques et al. 2009b; López y Paredes 1999; Ockenfels et al. 1992; Ockenfels et al. 1994, 1997; Pyrah 1971; Reynolds 1984; Reynolds and Laundre 1990; Rothchild 1993; Simpson 1992; Ticer et al. 1999; Tucker 1979; Tucker and Garner 1984, Wentland 1968a, b.

### **Homesteader**

see **Settlers/Pioneers**

### **Hoof Growth**

see **Aging**

## **Horns**

### **-Locked Horns**

Chipault and Long 2010; Emlen 2008; Smith 1990; Spencer 1941; Yoakum 1957.

see **Aging**

see **Physical Characteristics/Description**

## **Horses**

Bailey and Cooperrider 1982; Berger 1985, 1986; Boyle et al. 1999; Hanley 1980; Hansen 1982, 1986; Hansen and Anthony 1999; Kindschy et al. 1978, 1982; McInnis 1984; McInnis and Vavra 1987; Meeker 1979, 1982; Olsen and Hansen 1977; Salwasser and Shimamoto 1984; Smith 1994; Stokes 1952; Wagner 1978; Yoakum 2004*d*; Yoakum and O’Gara 1990, Yoakum et al. 1996.

## **Hunting**

Adams 1994; Baird 1857; Barrus 1974; Bray 1890; Bridges and Oster 2001; Brown and Ockenfels 2007; Buckner 1990; Byers and Hill 2009; Cadieux 1986, 1987; California Department of Fish and Game 1966,1990, 1993, 1995, 1997; Chalmers and Barrett 1974*a*; Coleman 1947; Copeland 1980*b*, 1982; DuBray 1890; Eastman 2008; Einarsen 1948; Farmer 1975; Frison 1971, 2000, 2004; Funcke 1919; Geist and Francis 2001; Gilchrist 1988; Gilmore 1874; Housekeeper 1993; Humphrey 1991; Kirkpatrick 1968; Knapp 1986; Long 1973; Mace 1949; Mandile 1988; Margolin 1978; Morton et al. 2008*a*; Nesbitt and Wright 1985; O’Connor 1934, 1937, 1939*a, b*, 1943, 1945; O’Connor and Goodwin 1961; O’Gara 1996, 2004*g*; O’Gara and Morrison 2004; O’Gara and Yoakum 2004*b*; Ogilvie 1953, 1967; Popowski 1959; Popowski and Pyle 1982; Pojar and Gill 1990; Poten 1991; Radford 2011; Roosevelt 1893, 1895; Stewart 1973; Swenson 1983; United States Fish and Wildlife Service 1988; Vanko 2005; Villa 1977; Watson 1965; White 1987.

### **-Access**

Bedrossian and Hein 1985; Cronquist 1990; Fowler 1968; Haley 1986; Mathisan 1960; Morgan 1988; O’Gara 2004*g*; Olsen 2010; Russo 1965; Swepston and Richardson 1994*b*, Uzzell 1953.

### **-Cripple Loss**

Bear 1967*a*; Bever 1948*a*; Creek 1967; Hailey et al. 1964; Hart 1960; Mobley 1960; O’Gara and Morrison 2004.

### **-Economic Values**

Atcheson 1972; Baird 1852; Bastian et al. 1991; Brown et al. 1999; Buechner 1947*a*, 1948, 1950*a, c*, 1960*a*; California Department Fish and Game 1993; Einarsen 1947; Graham 1988; Haley 1986; Hay et al. 1961; Hockley 1968; Hopper 1990; Loft 1998; Loomis and Cooper 1988; Loomis et al. 1985; Mathisen 1962; Mitchell 1984; Morgan 1988; Scott and Terrel 1976; Simons 2006; Swenson 1983; Tarrant 2006; Uzzell 1953;



Wishart 1978; Wyoming Game and Fish Department 1983.

### **-Harvests**

Ackermann 2006; Alberta Fish and Wildlife 1994; Arizona Game and Fish Commission 2011; Bear 1968a; Bray 1890; Brown and Ockenfels 2007; Buechner 1947a, b, 1948, 1960a, b; Buckner 1990; California Department Fish and Game 1993; Copeland 1980b, 1982; Copeland and Autenrieth 1982; Dalquest 1953; Dogde 1877; Dube 1985; DuBray 1890; Einarsen 1938, 1939, 1947, 1948; Fichter and Autenrieth 1978; Glasgow 2005; Gudmundson 1986; Haley 1986; Hay et al. 1961; Hazeltine et al. 1962, 1963; Hockley 1968; Hoover et al. 1959; Jackson 1944; Jakimchuk 1969; Keister 1985b; Kohlmann et al. 1999; Larsen 1967a; Martinka 1966b; McKenzie 1963; Menzel 1972b; Mitchell 1972b, 1980; Mobley 1960; Montana Department of Fish, Wildlife and Parks 1992; Murphy 1879; Nielson 1962; O’Gara and Morrison 2004, Pojar and Gill 1990; Pyrah 1976; Richardson 1829; Salwasser 1980; Salwasser and Shimamoto 1979; Samuelson 1981; Stelfox 1993; Straley 1966, 1968; Swenson 1983; Tarrant 2006; Tsukamoto and Deibert 1968; United States Bureau Land Management 1982; Wilcox 1963; Woody 1970; Yeaman 1965; Zornes et al. 2010.

### **-History**

Allred 1943; Bray 1890; Buckner 1990; Cancino and Reygadas 1999; Davis 1982; DuBray 1890; Edson 1960; Einarsen 1938, 1939, 1948; Fenner 2007; Grayson and Meltzer 2002; Greenquist 1983; Hill 1994; Hockett and Murphy 2009; Jones 1964; Lay 1946; Liebenberg 2006; Lippincott 1996; Lubinski 1997, 1999, 2000a, b, c, 2011; Mathisen 1960; McCabe et al. 2004; Mitchell 1980; Montei and Hlavachick 1974; O’Gara 2004g; O’Gara and McCabe 2004; Popowski 1959; Popowski and Pyle 1982; Rand 1947; Salwasser 1980; Sheldon 1925; Shields 1883; Slade 1902; Smith and McNeese 2000; Sundstrom 2000; Torquemada 1723; Watson 1965.

### **-Hunting with Dogs**

Allison 1890; California Department Fish and Game 1995; Dodge 1877; Grinnell 1906; Roosevelt 1893.

### **-Illegal Kills**

Baker 1954, 1956, 1958; Bever 1948a; California Department Fish and Game 1995; Jones 1949; Keiss and Morrison 1956; Lang 1956a; Longhurst 1957; Mobley 1960; O’Gara and Morrison 2004; Poten 1991; Rosko 1948; Villa 1951; Yoakum 1957.

### **-One-Shot Antelope Hunt**

Dahl 1996; Dahl et al. 1986.

### **-Pressure**

Baker 1956, 1958; Boyce and Tate 1982; Copeland 1980b, 1982; Glasgow 2005; Grinnell 1929; Gudmundson 1986; Helms 1978b; Larsen 1967a; Lay 1946; Longhurst 1957; Maher and Mitchell 2000; Martinka 1966b; Menzel 1980b; Mitchell 1972b; Newberry 1855; Rand 1947; Rush 1944; Russo 1965; South Dakota Department Game, Fish, and Parks 1965; Stokes 1952; Sundstrom 1968a; Tarrant 2006, Woody 1970.

### **-Rut**

Autenrieth and Copeland 1981; Copeland 1980*a, b*, 1982; Copeland and Autenrieth 1982; Deblinger and Alldridge 1989; Fichter and Autenrieth 1978; Forrest 1985, Woody 1970; Wyoming Game and Fish Department 1982.

### **-Seasons**

Coleman 1947; Einarsen 1938, 1939; Eustace and Wentland 1972; Forsyth 1942; Hay et al. 1961; Johnson 1967; Jones 1964; Longhurst 1957; Mathisen 1960; McKenzie 1963; McLean 1944; Menzel and Suetsugu 1966; Meyers 1963; Montei and Hlavachick 1974; O’Gara and Morrison 2004; Popowski 1959; Powell 1954; Salwasser 1980; Samuelson 1980; Webb 1965; Young et al. 1971.

### **-Success**

Bear 1965; Einarsen 1936; Eustace and Wentland 1972; Fowler 1968, 1969, 1970; Hay et al. 1961; Hockley 1968; Lang 1956*a*; McKenzie 1963; Mitchell 1972*b*; O’Gara and Morrison 2004; Popowski 1959; Popowski and Pyle 1982; Roosevelt et al. 1902; Samuelson 1980; Snyder 1965, South Dakota Department Game, Fish, and Parks 1965.

### **-Trophy**

Brown 1985; Brown and Edwards 2008; Brown and Ockenfels 2007; Brown et al. 2010; Buckner 1990; Byers and Bettas 1999; Carter 1970; Eastman 2008; Einarsen 1947; Fichter and Autenrieth 1978, 1980; Fruckey and Cragoe 1979; Grinnell 1932; Lauzen 1989; Lewis 2000; Mace 1949; Nesbitt and Wright 1985; O’Gara 1996, 2004*g*; O’Connor and Goodwin 1961; Popowski 1959; Popowski and Pyle 1982; Reneau and Reneau 1996; Schwabland 1997; Suetsugu 1970*b*; Triplett 2006; Vogler 1984; Whitaker 1966; Wright 1994.

see **Indians/Native Americans**

## I

### **Idaho, USA**

Autenrieth 1972, 1976, 1978*a*, 1980*a*, 1982*a, b*, 1984*a, b*; Autenrieth and Connelly 1985; Autenrieth and Fichter 1975; Bernt 1976*a, b*; Bodie 1978, 1979*a, b*; Copeland 1980*a, b*, 1982; Copeland and Autenrieth 1982; Crenshaw 1991; Dikmans 1933; Edson 1960; Fichter 1956, 1957, 1958, 1962, 1972, 1988; Fichter and Autenrieth 1978, 1980; Fichter and Neilson 1959, 1960, 1962, 1964; Folker 1956*a, b*; Gates 1983; Gates and Eng 1984; Gazin 1935; Hoskinson 1977; Idaho Fish and Game Department 1982; Johnson 1979; Johnson and MacCracken 1978; Kuck 2000; Lay 1946; Loomis et al. 1985; Maher 2009; Markham et al. 1976, 1980*b*; McCarty 1982*a, b*, 1986; Merriam 1918; Morgan and Morgan 1995; Nelson 1990; Nielson 1962; Nielson and Fichter 1966; Oldenburg 1986, 1988; Reynolds 1986; Robinson 2001; Shaw 1960, 1961, 1962, 1963; Springer 1950; Stauber et al. 1980; Stoszek et al. 1978, 1980; Thomas and Rosentreter 1992*a, b*; Trout 1976; United States Department of the Interior 2007*b*, 2012*s, t*, Yoakum 1962.

**Ilingoceros**

see **Prehistoric Pronghorn**

**Illegal Kills**

see **Hunting**

**Illinois, USA**

Fryxell 1926; Hay 1927.

**Immobilization**

see **Tranquilization**

**Indians/Native Americans**

Arkush 1986; Baird 1852; Bozell 1999; Burcham 1957; Burroughs 1961; Cancino and Reygadas 1999; Clemmer 2009; Czech 1992; Davis and Fisher 1990; Davis et al. 2000; DuBray 1890; Easterla 1965; Einarsen 1938; Ewers 1982; Fenner 2007; Fewkes 1898; Fortsas 1996; Frison 1971, 2000, 2004; Grayson and Meltzer 2002; Greenquist 1983; Grinnell 1892, 1897; Hill 2008; Kelly 1988; Laliberte and Ripple 2008; Leftwich 1977; Liebenberg 2006; Love and DeWitt 1988; Margolin 1978; McCabe et al. 2004; McCoy 1999; Poinar et al. 2001; Raymond 1982; Richardson 1829; Rivals and Semperson 2006; Rhodes 1849; Smith and McNees 2000; Sundstrom 2000; Tanner 2000; Tarcan 2006; Torquemada 1723; Valadez 1992; Watson 1965; White 2008; Youell 2005.

**-Historical Accounts**

Hill 1994; Hockett and Murphy 2009; Lubinski 1997.

**Insecticides**

see **Pesticides/Herbicides/Insecticides**

**Iowa, USA**

Hay 1914; Jones 1960.

**J**

**Janos Biosphere Reserve**

see **Refuge/Preserve/Protected Areas: Federal**

**Jefferson National Expansion Memorial**

see **Refuge/Preserve/Protected Areas: Federal**

**John Day Fossil Beds National Monument**

see **Refuge/Preserve/Protected Areas: Federal**

**K**

**Kansas, USA**

Brennan 1931; Eccles 1996; Eccles et al. 1994; Fox et al. 2000a; Funk 1978, 1980, 1982, 1984, 1986, 1988a, b; Hall 1955; Halstead 2001; Hlavachick 1965, 1966a, b, 1968, 1970; Jorgensen 1992; McLeran 1974; Miller 1967; Milk 1981, 1982; Montei and Hlavachick 1974; Rothchild 1993; Rothchild et al. 1994; Sexson 1990, 1992; Sexson and Fox 1994; Sexson 1979; Sexson and Choate 1981; Sexson et al. 1980, 1981; Simpson 1992; Talmon 1978; United States Department of the Interior 2012v; Van Zwoll 1984.

**Keratitis**

see **Diseases**

**Kofa National Wildlife Refuge**

see **Refuge/Preserve/Protected Areas: Federal**

**L**

**La Brea Tar Pits, California**

see **Paleoentology**

**Lava Beds National Monument**

see **Refuge/Preserve/Protected Areas: Federal**

**Law Enforcement**

Blunt 1948; Davila 1960; Horne 1925; Hunt 1948; Knipe 1944; Leopold 1959b; Monson 1968; Psikla 1978; Russell 1951; South Dakota Department Game, Fish, and Parks 1965; Sundstrom 1968a.

**Leptospirosis**

see **Diseases**

**Lewis and Clark**

Allen 1842; Burroughs 1961; Coues 1893; Gass 1807; Laliberte and Ripple 2008; Martin and Szuter 1999; Moulton 1987; Ord 1815, 1818; Thwaites 1905.

**Lewis and Clark National Historical Park**

see **Refuge/Preserve/Protected Areas: Federal**

**Life History**

see **Natural History/Ecology**

**Life Table**

see **Physical Characteristics/Description**

**Limiting Factors**

see **Mortality**

**Livestock**

DeArment 1972; Harrington and Conover 2007; Howard et al. 1990; Jensen 2001; Pyrah 1970*b*; Smith et al. 1998; Spillett 1965; Spillett et al. 1967; Sundstrom 1967; Wagner 1978, 1983; Yoakum 1995.

**-Cattle**

Anderson et al. 1990*a, b*; Bailey and Cooperrider 1982; Baker 1953*a*; Beasom et al. 1982*a*; Becker 1972*a, b*; Boddicker 1966; Boddicker and Huggins 1959; Buechner 1947*a*, 1948, 1950*a, c*, 1960*a, b*; Campbell 1970*a, b*, 1972; Clemente 1993; Clemente et al. 2009; Collins et al. 1981; Corsi 1968; Durbin 1997; Einarsen 1948; Elliott 1948; Ellis and Travis 1975; Ferrel and Leach 1950, 1952; Freeman 1971; Ghaly 1980; Glidewell 1970; Goldsby and Eveleth 1954; Hanley 1980, 1982; Hansen 1982, 1986; Heady and Bartholome 1977; Hoover et al. 1959; Howard et al. 1983, 1984, 1990; Jeffers 1985; Karhu and Anderson 2006; Kautz and Van Dyne 1978; Koch and Yoakum 2002; Leftwich and Simpson 1978*a*; Leopold 1959*a*; Loeser et al. 2005; Longhurst et al. 1983; McInnis 1984; McInnis and Vavra 1987; McNay 1980; McNay and O’Gara 1982; Ockenfels et al. 1994; Olsen and Hansen 1977; Pollak 2007; Pyrah 1970*b*, 1973; Roebuck 1982; Roebuck et al. 1982; Salwasser and Shimamoto 1984; Sampson 1952; Schwartz et al. 1976*a*; Schwartz and Nagy 1973; Stoddart and Rasmussen 1945; Terwilliger 1953; United States Fish and Wildlife Service 1994; Van Wormer 1969; Vavra and Sneva 1978*a, b*; Wagner 1978, 1983; Wicklow and Zak 1983; Yoakum 1975, 1980, 1995, 2004*d*; Yoakum and O’Gara 1990; Yoakum et al. 1996.

**-Competition**

Ackerly and Regier 1956; Allen 1962; Allred 1943; Bailey and Cooperrider 1982; Baker 1958; Becker 1972*a, b*; Berger 1985; Boddicker 1966; Boddicker and Huggins 1969; Boyle et al. 1999; Brown et al. 2008; Buechner 1947*a, b*, 1948, 1950*a, c*, 1960*a, b*; Campbell 1970*a, b*, 1972; Clark et al. 1972; Douglas 1953; Einarsen 1938; Elliott 1948; Ellis and Travis 1975; Ferrel and Leach 1950, 1952; Freeman 1971; Ghaly 1980; Glidewell 1970; Goldsby and Eveleth 1954; Gullion 1958; Hepworth 1965; Hinman 1959, 1961; Hjersman and Yoakum 1959; Hnatiuk 1972*a*; Horne 1925; Lay 1946; Leftwich 1977; Leftwich and Simpson 1978*a, b*; Leopold 1959*a*; Longhurst et al. 1983; McInnis 1984; McInnis and Vavra 1987; Meeker 1979, 1982; Milek 1966; Olsen and Hansen 1977; Pyrah 1970*b*, 1973; Rouse 1959, 1962; Sampson 1952; Schwartz and Nagy 1976; Schwartz et al. 1976*a*; Severson 1966*a, b*; Severson and May 1967; Severson et al. 1968; Smith et al. 1965; Stauber 1976; Stoddart and Rasmussen 1945; Taylor 1936; Terwilliger 1953; Throckmorton 1945; Van Wormer 1969; Vavra and Sneva 1978*a, b*; Villa 1959; Wagner 1978, 1983; Yoakum 1975; Yoakum and O’Gara 1990; Yoakum et al. 1996.

### **-Grazing System**

Anderson et al. 1990*a, b*; Brown 1990; Diem 1968; Foree 1959; Fulbright et al. 2006; Hinman 1959; Leopold 1959*a*; Longhurst et al 1983; Pollak 2007, Wagner 1978, 1983; Yoakum 1978, 1980, 1995, 2004*d*; Yoakum and O’Gara 1990; Yoakum et al. 1996.

see **Burros**

see **Goats**

see **Horses**

see **Sheep -Domestic**

### **Locked Horns**

see **Horns**

### **Locomotion**

Bullock 1971, 1974, 1982; O’Gara 2004*a*, Throckmorton 1945.

#### **-Speed**

Bridge 1942; Buechner 1950*b*; Bullock 1971, 1974, 1982; Carr 1927; Einarsen 1948; Grinnell 1906; Hall and Kelson 1959; Hazzard 1958; Hilderbrand 1984; Hilderbrand and Hurley 1985; Jones and Lindstedt 1993; Kitchen 1974; Lindstedt et al. 1988, 1991; Myers 1989; Niehuis 1957; Peterson 1956; Roosevelt 1893; Seton 1925; Sheldon 1959; Throckmorton 1945; Torquemada 1723; Van Wormer 1969; Vogt 1992; Walker 1964, Will 1987.

### **Longevity**

see **Physical Characteristics/Description**

### **Lower California, Mexico**

see **Baja California, Mexico**

see **Baja California Sur, Mexico**

## **M**

### **Malnutrition**

see **Nutrition**

### **Management**

Agersbory and Kjerschow 1927; Alcérreca y Sánchez 1979, 1981; Autenrieth 1978*b*; Autenrieth et al. 2006; Barrett 1986; Barrett and Vriend 1980; Beale et al. 1972; Bigonyl 1982; Boyd 2008; Brown 1982, 1986*a*; 2007, 2008; Brown 1954*a*; Budd 2010; Cancino 2002; Clark 2001; Compton et al. 1971; Crump 1966; Deblinger and Alldredge 1989; Deming 1960; DiSilvestro 1989; Doell and Smith 1965; Dood 1984*b*; Einarsen 1938, 1948; Eustace and Wentland 1972; Fichter 1976; Flather and Hoekstra 1989; Foree 1960; Fowler 1968; Gilman 1960; Gates et al. 2008; Greenquist 1983; Griffith 1962*b*; Guenzel 1994; Hailey 1979; Hailey et al. 1966; Harrington and Conover 2007; Hay et

al. 1961; Heffelfinger 1996; Hervert et al. 1999; Hinman 1959; Hnatiuk 1972a; Hockley 1966, 1968; Hoover et al. 1959; Howe 2002; Keating 2005; Kemp 1983; Killaby et al. 1992; Lang 1955; Larsen 1962; Lee et al. 1998; Lehman and Davis 1942; Leopold 1947, 1959a; Mason 1947; McKenzie 1984b; Meyers 1963; Mitchell 1984, 1985; Mogen 1977; Moody 1982; Nelson 1925; Newman 1966b; Novak and Deming 1960; O'Connor and Goodwin 1961; O'Gara and McCabe 2004; O'Gara and Yoakum 1992, 2004a, 2004b; Olson 1972; Onami et al. 2007; Oregon State Game Commission 1961; Paredes 1997; Pate 1973; Peterson 1972; Phillips and White 2003; Purucker et al. 2007; Pyle and Smith 1990; Pyle and Yoakum 1994; Pyshora 1987; Ramírez et al. 1999; Ramírez et al. 2010; Russell 1951; Salwasser and Shimamoto 1979; Samuelson 1980; Scott and Terrel 1976; Senn 1996; Shaw 1960; Smith and Baldes 1981; South Dakota Department Game, Fish, and Parks 1965; Straley 1966, 1968; Suetsugu 1970b, 1975b; Sundstrom et al. 1973; Swepston and Richardson 1994b; Taggart 1999; Tanner et al. 2003; Till 1956; Toweill 2006; Townsend 1972; Trippensee 1948; Uzzell 1973; Van Riper III et al. 1997; Vana 2010; Vavra and Sneva 1978a, b; Webb 1972, 1974; White 1974; Williams 1989; Wilson et al. 2010; Wishart 1972; Wyoming Game and Fish Commission 1966; Yoakum 1957, 1962, 1978a, 1980, 1995, 2006a, 2008d; Yoakum and Barret 1979; Yoakum and O'Gara 2000; Yoakum et al. 1996.

#### **-Modeling**

Allen and Armsbruster 1982; Allen et al. 1984; Avsharian and Byers 2001; Berger et al. 2008; Cancino 2005a; Cancino et al. 2006, 2010; Cook 1984; Cook and Irwin 1984, 1985; Cook et al. 1984; DeVos and Thompson-Olais 2000; Ellis 1970; Gasson and Wollrab 1986; Hosack et al 2002; Keister 1985a, b, 1986; Kindschy et al. 1978, 1982; Kohlmann 2004; Lutz 2010; Phillips and White 2003; Pojar and Gill 1990; Poor 2010; Poor et al. 2010; Salwasser 1980; Scott 1988, 1990; Sheriff 2006.

#### **-Plan**

Arizona Game and Fish Department 2006; Arizona Game and Fish Department and Coconino National Forest 2003, 2004; Arsenault 2007, 2008; Autenrieth 1978b; Autenrieth and Connelly 1985; Autenrieth et al. 2006; Buechner 1947a, 1950a, c, 1960a, b; California Department of Fish and Game 1966, 1989; Cancino et al. 2000; Capodice et al. 1982; Carrillo et al. 2004; Coleman 1947; Crenshaw 1991; Deming 1958a, b; Dickens and Andrews 1986; Dirección General de Vida Silvestre 2001; Dunbar 1999b; Einarsen 1938, 1948; Eustace and Wentland 1972; Fowler 1969, 1970; Gasson and Wollrab 1986; Gates et al. 2006, 2008; Gerlach and Vaughan 1990; Glasgow 1990, 2005; Griffith 1962a; Hailey 1979; Hay et al. 1961; Idaho Fish and Game Department 1982; Johnson 1967; Jones 1949; Krausman et al. 2005b; Lister 1989; McCarty 1982a, b; McGowan 1970; Montei and Hlavachick 1974; Moore 1987; Pearl 1963b; Pyshora 1982, 1987; Ramírez et al. 2010; Renwald 1988; Secretaría de Medio Ambiente, Recursos Naturales y Pesca 2000; Stutz 1967; Tanner et al. 2003; Tsukamoto 1983a, b; Tsukamoto and Tanner 2003; United States Bureau Land Management 1999; United States Department of the Interior – National Park Service 1964; United States Fish and Wildlife Service 1970, 1980, 1994, 2003, 2011; United States National Park Service 1964; Uzzell 1953; Wilshunsen and Wallace 2009; Yoakum 2004e.

### **-Restoration of Populations**

Ben 2002, 2003; Bigonyl 1982; Blunt 1948; Bright 2005*a, b, c, d*, 2006*a, b, c, d*, 2007*a, b, c, d*, 2008*a, b, c*, 2009*a, 2b, c, d*, 2010, 2011*a, b, c*; Britt 1980; Cancino et al. 2000, 2001, 2005, 2006, 2010; Cassaigne et al. 2010; Castellanos y Sánchez 2010; Castillo-Sánchez 1992; Castillo 1994; Cohn 2007, 2010; Floyd 1924; Goldsmith 1988*a, b*, 1992; Griffith 1962*a*; Guardarrama 2001; Hailey 1979; Hnilicka et al. 2010; Hunt 1948; Jones 1949; Koch and Yoakum 2002; Leopold 1959*a*; Mace 1949; Manterola 2001; Miller 1967; Nelson 1925; O’Gara et al. 2004*a*; Parkhill 1946; Plummer et al. 1968; Ramírez 1985; Russell 1937; Scott and Terrel 1976; Snyder 1965; South Dakota Department Game, Fish and Parks 1951; United States Department of the Interior 2012*u*; United States Fish and Wildlife Service 1995, 2012; United States National Park Service 1964; Valdés y Manterola 2006*b*; Whitaker 1966; Wilcox 1963; Wilson et al. 2010; Woody 1970; Yoakum 1968, 2000*a*.

### **-Restoration Habitat**

Warnock 2006.

see **Habitat Enhancement**

see **Water –Developments/Improvements**

see **Endangered Species –Recovery Plan**

### **Manitoba, Canada**

Kavanagh 1966.

### **Marking/Tagging**

Ackerly and Regier 1956; Baker 1953*a*; Barrett 1973, 1978*a*; Bayless 1967, 1968, 1969; Beale 1966, 1973; Copeland et al. 1978; Crump 1961; Dinges 1958; Dow 1952*b*; Griffith 1962*a*; Hnatiuk 1972*a*; Hoskinson and Tester 1980; Keister et al. 1988; Lightfoot 1958; Nielson 1962; O’Gara et al. 2004; Pate 1969; Prenzlow 1964; Queal and Hlavachick 1968, Spillett and Zobell 1967.

see **Trapping/Translocation**

### **Masters Thesis**

see **Thesis**

### **Mating and Reproduction**

see **Behavior**

### **Meadow**

see **Habitat - Habitat Characteristics/Description**

### **Measurements**

see **Physical Characteristics/Description**

see **Habitat –Monitoring**



## **Melanism**

see **Physical Characteristics/Description**

## **Merycodus**

see **Prehistoric Pronghorn**

## **Mexican Pronghorn**

see *Antilocapra americana* –A. a. mexicana

## **Mexico**

Alcérreca and Sánchez 1981; Alvarez 1963, 1964; Arizona Game and Fish Department 1981; Baker 1958; Brown 1992; Cancino et al. 2000; Cancino and Reygadas 1999; Clavijero y Palóu 1789; Colchero 2001; Dalquest 1974; Davila 1960; Diario Oficial de la Federación 1991; Dirección General de Vida Silvestre 2001; Furlong 1925, 1941, 1945; González y Lafon 1993; Hernandez 1649; Hernández 1980; Jaeger 1961; Jimenez-Hidalgo et al. 2004; Leopold 1959*b*, 1977; Lumholtz 1902, 1912; Medellín et al. 2005; Merriam 1901; Miranda and Martínez 2001; Murphy 1917; Ockenfels et al. 2000*a*; Ramírez et al. 1999; Ramírez et al. 2010; Ruxton 1849; Sheldon 1979; Thompson-Olais 1992, 1994; Tinker 1978; Treviño 1978*b*; Valadez 1992; Valdés et al. 2006; Villa 1953, 1959.

see **Aguascalientes**

see **Baja California**

see **Baja California Sur**

see **Chihuahua**

see **Coahuila**

see **Durango**

see **Hidalgo**

see **San Luis Potosi**

see **Sonora**

see **Tamaulipas**

see **Zacatecas**

## **Migration and/or Seasonal Movements**

see **Behavior**

see **Corridors**

## **Military**

Arizona Game and Fish Department 1981; Bernatas et al. 1999; DeVos 1989; Firchow et al. 1986*a,b*; Hughes and Smith 1990; Krausman and Harris 2002; Krausman et al. 2002, 2004, 2005*a*, 2007; Lowry 1978; Marr and Velasco 2005; Robinson et al. 2000; Thompson-Olais 1992, 1994; United States Fish and Wildlife Service 1982.

## **Minerals**

see **Nutrition**

## **Mining**

see **Energy Developments**

## **Minnesota, USA**

Fashingbauer 1965; Grinnell 1910; Hazard 1972; Johnson 1930; Suber 1932.

## **Missouri, USA**

Easterla 1965; McKinley 1960, United States Department of the Interior 2012v, x.

## **Modeling**

see **Management**

see **Habitat –Monitoring**

## **Montana, USA**

Allen 1874; Amstrup 1978; Bayless 1967, 1968, 1969; Becker 1972a, b; Beer 1944; Bromley 1967, 1969; Brown 1954a, b, 1955; Bruns 1977; Buck 1947; Byers 1986, 1989, 1997a, b, 2003a, b, 2006, 2011; Byers and Bettas 1999; Byers and Byers 1983; Byers and Hill 2009; Byers and Hogg 1995; Byers and Kitchen 1988, Byers and Moodie 1990; Byers and Waits 2006; Byers and Walker 1995; Byers et al. 1994, 2005a, b, 2006, 2010; Campbell 1970a, b, 1972, 1982; Cole 1955, 1956, 1957, 1959; Cole and Wilkins 1958; Compton 1970; Compton et al. 1971; Corneli 1980; Corneli et al. 1984; Couey 1946a, b; Craig 1963; Deblinger and Ellis 1976; Dood 1984a, b; Dow 1952a, b; Dow and Wright 1962; Dubey 1980, 1981; Dunn 2010; Eustace and Wentland 1972; Freeman 1971; Gates et al. 2008; Goodman 1996; Graham 1988; Greiner et al. 1974; Grinnell 1929; Hammond 1986, 1988; Hoberg and Abrams 2005; Howlett et al. 2010; Irby 1981; Irby et al. 1997; Jacobson et al. 1977; Jakes et al. 2010b; Jones 2011; Kitchen 1972, 1974; Long 2011; Loomis and Cooper 1988; Mackie and Yeager 1966; Maher and Mitchell 2000; Martin 1972; Martinka 1966a, b, c, 1967; McCullough 1980; McLucas 1956; Montana Department of Fish, Wildlife and Parks 1992; Morris 1972; Munshower and Neuman 1979; Nelson 1925; Niccolucci 1987; O’Gara 1988; O’Gara and Malcolm 1988; Pyrah 1970a, b, 1971, 1973, 1974a, b, 1976, 1978, 1980, 1982, 1987; Quammen 2010; Reichel 1976; Roberts 1970; Rouse 1954; Rush 1927; Ruth 1937; Salinas 1948; Segerstrom 1982a, b; Selting 1994; Selting and Irby 1997; Sutor et al. 2008; Swanger 1977; Sypulski 1954; Townsend 1972; Trueblood and Post 1959; Trueblood 1971; Tryon and Buck 1950; United States Department of the Interior 2012i, s, y; United States Fish and Wildlife Service 1990; von Gunten 1978a, b; Watts 1990a, b; Wentland 1968a, b.

**Mortality**

Barrett 1978c; Bright and Hervert 2005; Brown et al. 2006d; Fenner and Walker 2008; Jacques and Jenks 2008; Jacques et al. 2007, 2009a; Kock and Kock 1985; Lubinski 1997, 2000c, 2001; Lubinski and O'Brien 2001; McKenzie 1970; Neff et al. 1985; Nimmo 1971; Oakley and Riddle 1974; Ockenfels et al. 1992, O'Gara 1970a, 2004f; Payne 1985; Pyrah 1982; Rothchild 1993; Von Gunten 1978a, b; West 1970.

**-Accidents**

*-Natural Accidents*

Spencer 1941; Yoakum 1957.

*-Vehicle Accidents*

Pietz 1966; Smith and Guenzel 2002; Ward et al. 1976, 1980; Yoakum 1957.

**-Barriers to Movement**

Dodd et al. 2011; Gavin and Komers 2006; Gross et al. 1983; Hacker 2002.

**-Cripple Loss**

Baker 1954; Bear 1967a; Hailey et al. 1964; O'Gara and Morrison 2004.

**-Limiting Factors**

Barrett 1982b; Buechner 1950a; Compton 1958; Dirschl 1960; Dunn and Byers 2008; Dunn et al. 2011; Gavin and Komers 2006; Harrington 2005, Harrington and Conover 2006; Hinman 1959, 1960, 1961; Martinka 1966c, 1967; Mason 1947; Ockenfels 1994b; O'Gara 2004f; Riersgard 1950; Rosko 1948; Scott 1988; Smith 1974; Snyder 1965; Suetsugu and Menzel 1966; Tucker and Garner 1980b; West 1970; White 1969; Wilson and Krausman 2008; Yoakum 1957.

**-Rates**

Harrington 2005; Mitchell 1965, 1972b; Pate 1969, 1973; Prenzlou 1965a; Salwasser 1980; Spillet 1964; Tileston and Yeager 1962, White 1969.

**-Survival**

Autenrieth 1978b; Beale 1966, 1978; Beale and Smith 1972a, 1973; Bodie and O'Gara 1980; Bromley and O'Gara 1967; Canon and Bryant 1992b, 2006; DeVos and Miller 2005; Dunn and Byers 2008; Easterly and Guenzel 1992; Ellis 1972; Fairbanks 1993; Grogan and Lindzey 2010; Hailey 1965; Halloran and Glass 1959; Hansen 1955; Harrington 2005, Harrington and Conover 2006; Hess 1999; Hinman 1959, 1960, 1961; Howard and Lara 1982; Jacques 2006; Jacques et al. 2007; Jones 2009; Larsen 1970; Ockenfels et al. 1992; Pyrah 1976; Smith 1974; South Dakota Department Game, Fish, and Parks 1965; Stoszek et al. 1978; von Gunten 1978a, b; Vriend and Barrett 1978; West 1970.

see **Climate**

see **Diseases**

see **Fawn loss**

see **Forage Competition**

see **Illegal hunting**

see **Locked horns**

see **Nutrition/Malnutrition/Starvation**

see **Parasites**

see **Predation**

see **Weather Conditions**

## **Motorcycles**

Seegerstrom 1982.

## **Mountain Lion**

Anderson and Lindzey 2003; Barnowe-Meyer et al. 2009; Berger and Wehausen 1991; Canon and Bryant 1992b; Ockenfels 1994a; O’Gara and Shaw 2004; Yoakum et al. 2004; Young and Goldman 1946.

## **Muscle**

see **Physical Characteristics/Description**

## **N**

## **National Bison Range**

see **Refuge/Preserve/Protected Areas: Federal**

## **National Park Service**

Van Riper III et al. 1997.

## **Natural History**

Allen 1974; Audubon and Backman 1851*b*; Autenrieth 1975; Buechner 1950; Deblinger 1988; Einarsen 1948; Harveson 2006; Lee et al. 1998; Leopold 1951*b*; Murphy 1917; O’Gara and Yoakum 2004*a*; Seton 1925; Spinage 1986; Stewart 1973.

### **-Ecology**

Autenrieth 1975; Barnowe-Meyer 2009; Berger et al. 2008; Bromley 1977; Firchow 1986; Firchow et al. 1986*b*; Guenzel 1986; Kitchen 1974; O’Gara and Yoakum 2004*a*; Rickel 2005; Salwasser and Shimamoto 1979; Sundstrom 1970; Tanner et al. 2003; Yoakum and O’Gara 2000.

### **-Life History**

Allen 1874; Autenrieth 1978*b*; Bailey 1936; Buechner 1950*a, c*; Calalane 1962; Caton 1877; Chase 1987; Creek 1967; Dodge 1877; Einarsen 1938, 1948; Frick 1937; Gasson 1982; Godman 1826; Greenquist 1983; Hailey 1979; Harveson 2006; Hay et al. 1961; Hays 1868; Hoover et al. 1959; Hornaday 1904; Jaeger 1961; Jardine 1835; Kitchen and O’Gara 1982; Knipe 1944; Larsen 1967*a*; Mace 1952; McLean 1944; McSpadden 1917; Mearns 1907; Meyers 1963; Mohr 1968; Newberry 1855; O’Connor and Goodwin 1961; Palmer 1954; Phelps 1981*b*; Richardson 1829; Roosevelt et al. 1902; Rush 1944; Sadak 1987; Salwasser 1980; Sather and Schildman 1955; Seton 1925; Skinner 1924; Tennesen 1976; United States Fish and Wildlife Service 1962; Vaughn 1972; Walker 1964.

**Nebraska, USA**

Bailey 1958; Barbour and Schultz 1934; Fairbanks and Stastny 2002; Grinnell 1906; Hepworth 1970; Hoffman et al. 2011; Hygnstrom et al. 2006; Johnson et al. 1978, 1982, 1986; Jones 1964; Leidy 1869; Mathisen 1960; Matthew 1902; Menzel 1972*a, b*, 1978, 1980*a, b*, 1982, 1988, 1992, 1994, 2002; Menzel and Suetsugu 1966; Ruth 1937; Sather and Schildman 1955; Simmons et al. 2002; Skinner 1942; Suetsugu 1970*a, b, c*, 1975*a, b*, 1992, Suetsugu and Menzel 1966.

**Neotragocerus**

see **Prehistoric Pronghorn**

**Nevada, USA**

Aikens 1978; Berger and Wehausen 1991; Brigham and Stevenson 1997; Clemmer 2009; Coleman 1947; Deming 1954, 1958*a, b*; Dobel 1988, 2000; DuMont 1951; Durbin 1997; Foree 1960, 1962, 1963, 1964, 1965, 1966, 1972; Furlong 1932; Gabrielson 1935, 1943; Gregg 1997; Gruell 1995; Guillion 1958, 1964; Hall 1946; Hansen 1955, 1982, 1986; Hansen and Anthony 1999; Hazeltine and Worden 1961; Hazeltine et al. 1962, 1963; Hess 1982, 1986, 1988; Jeffress 1986; Leopold 1959*a*; Lister 1989; Maher 1991, 1992, 1994, 1997, 2000; Maher and Mitchell 2000; Mathis 1997; McNay 1980; McNay and O’Gara 1982; Meeker 1979, 1982; Merriam 1909, 1911; Moloni 1969; Nevada Board of Wildlife Commissioners 2003; Nevada Division of Wildlife 1957; Nevada Wildlife Record Book Committee 1995; Polk 1987; Richarson 1969; Springer 1950; Tanner et al. 2003; Tsukamoto 1967, 1968, 1978, 1980, 1983*a, b*, Tsukamoto and Deibert 1968; Tsukamoto and Tanner 2003; Tsukamoto and Wickersham 1970; United States Department of the Interior 2012*j*; United States Fish and Wildlife Service 1962, 1980, 2011; Williams 1989; Worden and Deming 1960; Yoakum 1962, 2000*a*, 2008*b*; Yoakum et al. 2008.

**New Mexico, USA**

Allen 1962; Allen and Kyles 1953; Allen and Samson 1960, 1961; Allen et al. 1959, 1970; Avery and Caldwell 2010; Bailey 1931*a, b*; Barker 1948; Bell 1990; Bradybaugh 1981; Bradybaugh and Howard 1982; Brown et al. 2002*a*; Carr 1927; Cassaigne et al. 2010; Clark et al. 1988; Clemente 1993; Clemente et al. 1995, 2009; Elliott 1968; Engelking 1969; Ghaly 1980; Gilmore and Allen 1960; Glidewell 1970; Halloran and Glass 1959; Herring 1974, 1978; Hooley 1992; Howard 1967; Howard and Bradybaugh 1983; Howard and Lara 1982; Howard et al. 1973, 1980, 1982, 1983, 1984, 1990; Jeffers 1985; Johnson 1972; Kerr 1968; Knight 1983; Lang 1955, 1956*a, b*; Larsen 1962, 1964*a, b, c*, 1965*a, b*, 1966, 1967*a, b*, 1970; Lay 1946; Ligon 1927; Manning 1972; Mearns 1907; Montoya 1971; Morgan 1988; Morrison 1980, 1982, 1984; Nelson et al. 1997; Russell 1937, 1951, 1964; Russell et al. 1985; Saiz 1986; Smith et al. 1998; Smith 1993*a*; Smith et al. 1996; Smith 1994; Snyder 1965; Stephenson 1982; Stephenson et al. 1985*a, b*; Stock 1930, 1932; United States Department of Agriculture and United States Forest Service 2012; United States Department of the Interior 2012*a, d, m, q, v, w*; Weybright 2000; Wood et al. 1972.

## **Nez Perce National Historical Park**

see **Refuge/Preserve/Protected Areas: Federal**

## **North Dakota, USA**

Allen 1874; Bailey 1926; Bihrlle 1992; Goldsby and Eveleth 1954; Hoberg and Abrams 2005; Jatnieks 1982, 1983*a, b*, 1984; Jensen and Seabloom 1993; Knue 1991; Kolar 2009; Kolar et al. 2008, 2011; Kraft et al. 1995; Leidy 1869; McKean 1953; McKenzie 1963, 1970, 1980, 1984*a*, 1986, 1992, 2000; Richards 1963, 1964; Samuelson 1978, 1980, 1981, 1982, 1988; United States Department of the Interior 2012*o*; Wilson 2009; Wyckoff 1984.

## **Northern Rio Grande National Heritage Area**

see **Refuge/Preserve/Protected Areas: Federal**

## **Nutrition**

Hofmann 1989; Yoakum 2004*c*.

### **-Analysis**

Beasom et al. 1982*a, b*; Brown et al. 2008; Campbell 1970*a, b*, 1972; Cancino 2001; Clary et al. 1988; Dunbar 2001; Fox 1997; Fox et al. 2000*b, c*; Holechek 1984; Hughes and Smith 1990; Marchello and Berg 1984; Messenger 1978; Messenger and Schitoskey 1980; Miller and Drake 2005; Robbins 1993; Robinson et al. 2001; Smith and Malechek 1974.

### **-Copper**

Heffelfinger et al. 2002; Miller-Edge et al. 1994; Miller et al. 2001; Munshower and Neuman 1979.

### **-Effects on Productivity**

Barrington 1975; Fairbanks 1993; Goldsmith 1988*a*; Larsen 1964*b*; Smith 1974; Smith et al. 1965; Smyser et al. 2006*b*, 2008.

### **-Energetics**

Bekoff and Byers 1992; Jones and Lindstedt 1993; Wesley 1971; Wesley et al. 1970, 1973.

### **-Fat Levels**

Bear 1971; Greenwood et al. 1967; Nagy and Williams 1969; O’Gara and Greer 1970; Pond 1978; Wesley et al. 1970, 1973.

### **-Malnutrition/Starvation**

Barrett 1978*b*; Baker 1954; Beale 1966; Beale and Smith 1972*a, b*, 1973; Bodie 1978; Bodie and O’Gara 1980; Depperschmidt et al. 1987; Fairbanks 1993; Foree 1959; Hailey et al. 1966; Hoover 1971; Ligon 1927; Martinka 1967; Pearson 1969; Schwartz et al. 1977; Suetsugu and Menzel 1966; Thorne et al. 1982; West 1970; White 1969.

### **-Minerals**

Arthur and Gates 1988; Autenrieth and Fichter 1975; Fox et al. 2000*c*; Hoover et al. 1959; Jones and Hanson 1985; Knipe 1944; Munshower and Neuman 1979; Stoszek et al. 1978, 1980; Whittaker et al. 1999.

**-Selenium**

Bodie and O’Gara 1980; Clemens et al. 1987; Heffelfinger et al. 2002; Levy and Kearney 1999; Raisbeck et al. 1996.

**-Thiamine**

Cook et al. 1949.

**-Vitamin A**

Kerr 1968; Weswig 1956.

**-Zinc**

Munshower and Neuman 1979.

**O**

**Oil/Gas**

see **Energy Development**

**Oklahoma, USA**

Barrington 1978; Buechner 1950d; Ellis 1955; Grinnell 1929; Halloran 1956; Halloran and Glass 1959; Rouse 1941; Ruth 1937; Sanders 1980; Shaw 2000c; Smith 1982; Stout 1972; Tyler and Anderson 1990; United States Department of the Interior 2012v; Wint 1978.

**One-Shot Antelope Hunt**

see **Hunting**

**Order of the Antelope**

Huntington 1969, 1982.

**Oregon pronghorn**

see *Antilocapra americana* **-A. a. oregona**

**Oregon, USA**

Anderson et al. 1990a; b; Bailey 1932, 1936; Banks et al. 2008a, b; Compton 1958; Dalton 2009; Deming 1954, 1958a, b; Dinges 1958; DuMont 1951; Dunbar 1999a, b, 2000, 2001, 2003; Dunbar and Glordano 2000; Dunbar and Rhyan 2006; Dunbar and Velarde 1998; Dunbar et al. 1999a, b, 2000; Durbin 1997; Ebert 1978, 1980; Einarsen 1938, 1939, 1947; Farinetti and Nunn 2001; Finley 1928; Foster 1988; Furlong 1932; Gabrielson 1935, 1943; Garner 1986, 1988; Good 1977; Good and Crawford 1978; Gregg et al. 2001a, b; Gruell 1995; Hansen 1955; Hansen and Anthony 1999; Hazeltine and Worden 1961; Hazeltine et al. 1962, 1963; Heady and Bartolome 1977; Herrig 1974; Herrig and Vohs 1972; Huntington 1969, 1982; Ingram 1984; Ives 1968; Jewett 1939; Jubber 1982; Keister 1985a, b, 1986; Kindschy 1974; Kindschy et al. 1978, 1982; Kistner et al. 1975; Langdon 1964; Lay 1946; Luman 1960, 1962; Mace 1949, 1952; Mason 1947, 1952a, b, 1974; McInnis 1984; McInnis and Vavra 1987; Nelson 1925; Novak and

Deming 1960; Oregon State Game Commission 1961, 1972; Polenz 1969, 1976a, b; Pyle and Yoakum 1994; Reeher 1969; Richarson 1969; Robart 1985; Ruth 1937; Scott 1981; Sheldon 1959; Sneva and Vavra 1978; Springer 1950; Stein 1967; Stephen et al. 2004, 2005b; Torland 1980; Trainer et al. 1983; United States Bureau Land Management 1999; United States Department of the Interior 2012f, s; United States Fish and Wildlife Service 1962, 1970, 1990, 1994, 1995; Van Dyke 1990; Van Dyke and Willis 1992; Vavra and Sneva 1978a, b; Whittaker et al. 1999; Whittaker et al. 2001, 2003; Willis 1988; Willis et al. 1988, 1993; Yoakum 1957, 1958, 1962, 1995, 2004c, e, 2008a, 2010a.

## **Organ Pipe Cactus National Park**

see **Refuge/Preserve/Protected Areas: Federal**

## **P**

## **Pacific Pronghorn**

see *Antilocapra americana* **-A. a. pacifica**

## **Paleontology**

Antrei 1939; Chandler 1916; Chorn et al. 1988; Colbert et al. 1939; Dalquest 1974; Ford 1990; Frick 1937; Furlong 1925, 1927, 1930, 1932, 1935, 1941, 1945; Gazin 1935; Grayson 1991; Hay 1914, 1927; Heffelfinger 2006, Heffelfinger et al. 2002; Hesse 1935; Hibbard and Dalquest 1960; Janis 2000; Janis and Manning 1998; Janis and Wilhelm 1993; Jimenez-Hidalgo et al. 2004; Kelly 1943; Kurten and Anderson 1980; Leidy 1869; Lull 1921; Matthew 1902, 1904, 1934; Merriam 1909, 1911; Miller and Downs 1974; Mooser and Dalquest 1975; Morgan and Morgan 1995; Nimmo 1971; O’Gara and Janis 2004b; Reynolds 1976; Rivals and Semperson 2006; Richards and McCrossin 1991; Roosevelt and Burden 1934; Schultz 1938; Scott 1929; Semperebon and Rivals 2007a, b; Skinner 1942; Stirton 1938; Stock 1930, 1932, 1956; Taylor 1911; Walker 2000; Walker and Frison 1980; Vrba and Schaller 2000; Webb 1973; White 2008; White and Morgan 2011; White 1941.

see **Prehistoric Pronghorn**

## **Parasites**

Allen 1962; Allen and Kyles 1953; Allen and Samson 1960; Allen et al. 1959, 1970; Barrett and Chalmers 1972; Bergstrom 1975a, b, Bergstrom et al. 1985; Berner 1953, 1955; Bever 1950, 1957; Boddicker 1966; Boddicker and Huggins 1969; Brogden and Rhoades 1983; Chamberlin 1937; Chattin et al. 1944; Chronert et al. 2006; Coffey 1954; Colbenson 1962; Creek 1967; Davies and Hibler 1979; Dehority 1995; Dennehy 1997; Dikmans 1932, 1933, 1939; Durette-Desset and Samuel 1989; Edwards et al. 2001; Ellis 1955; Gilmore and Allen 1960; Goldsby and Eveleth 1954; Greiner 1965; Greiner et al. 1974; Hailey et al. 1964; Herman 1945; Hoberg and Abrams 2005; Hoover 1955; Hoover et al. 1959; Howe 1965, 1966; Huizinga 1942; Kingston et al. 1981, 1982, 1990;



Lance and Pojar 1984; Larsen 1964*b*; Lucker and Dikmans 1945; Meleney and Roberts 1970; Milestone 1982; Morton and Kingston 1976; Noble 1953; O’Gara 2004*e, f*; Price 1927; Ransom 1911; Roberts 1970; Sayana 1952; Schad 1958; Shults and Stanton 1986; Simmons et al. 2002; Skinner 1922; Soulsby 1968; Sundstrom 1968*a*; Tarrant et al. 2010; Tileston and Yeager 1962; Todd et al. 1967; Yoakum 1957, 1975; Young et al. 2000.

**Parturition**

see **Reproduction**

**Pawnee National Grassland**

see **Refuge/Preserve/Protected Areas: Federal**

**Peninsular Pronghorn**

see *Antilocapra americana* *-A. a. peninsularis*

**Pesticides/Herbicides/Insecticides**

Greenwood et al. 1967.

**Petrified Forest National Park**

see **Refuge/Preserve/Protected Areas: Federal**

**Petroglyph National Monument**

see **Refuge/Preserve/Protected Areas: Federal**

**Phermone**

see **Physiology**

**Philosophy Doctor, Dissertation**

see **Thesis**

**Physical Characteristics/Description**

Allen 1889; Anthony 1928; Audubon and Bachman 1851*a, b*; Bailey 1931*a, b*, 1936; Baird 1957; Bell 1972; Boever 1986; Bromley 1967; Bullock 1971; Byers 2011; Calalane 1962; Cockerrell 1900; Cockrum 1960; Edwards 1958*a, b*; Field et al. 1972; Ford 1951; Gasson 1982; Grinnell 1933; Guzman 1961; Hall 1946, 1981; Harlan 1925; Leister 1932; Leopold et al. 1984; Lynch 2011; Mace 1949; Matthiessen 1959; McLeran 1974; Mearns 1907; Merriam 1901; Mitchell 1980; Mochi and Carter 1971; Moulton 1987; Murie 1954; Nowak 1999; Nowak and Paradiso 1983; Ockenfels 1995*a, b, c, d*; O’Gara 1978*a*, 2004*a*; O’Gara and Ball 2004; Ord 1815, 1818; Palmer 1954; Pearl 1963*a, b*; Prenzlowl 1965*a*; Prince 1909; Rhodes 1849; Richards 1940; Richarson 1829; Rush 1942; Scott

1991c; Seton 1927; Sharritt 1950; Smith 1993b; Spillett 1964; Stelfox 1993; Stephens 1906, 1921; Steger 1929; Stone and Cram 1904; Suber 1932; Taylor 1936; Tennesen 1976; Thone 1930; Throckmorton 1945; Tileston and Yeager 1962; Tillman 1971; Tsukamoto 1983a; Tsukamoto and Tanner 2003; United States Fish and Wildlife Service 1944, 1967; Villa 1951, 1977; Wagner 1980; Walker 1964; Wall 1990; Williston 1877; Wilson and Reeder 1993; Wislocki and Fawcett 1949; Zeiner et al. 1990.

**-Abnormalities**

Lyon 1908; O’Gara 2004a; Runkles 1966.

**-Age**

Becker 1987; Brown and Edwards 2008; Brown et al. 2002a; Byers and Hill 2009; Dow 1952a, 1952b; Dow and Wright 1962; Fairbanks 1994; Kolenosky 1961; Lubinski 2001; McCutchen 1966, 1969; Mitchell 1972a; Pate 1968b; Wright 1994; Wright et al. 1962; Zornes et al. 2010.

**-Albinism**

Mearns 1907; O’Gara 2004a; Richards 1940.

**-Anatomy**

Ahern 1992; Beddard 1909; Einarsen 1948; Hilderbrand 1984; Hilderbrand and Hurley 1985; Milks 1981, 1982; Mitchell et al. 2009; Murie 1870; O’Gara 1968, 2004c; O’Gara and Ball 2004; Pond 1978; Radinsky 1985; Raney 1968; Raney and Thibodeau 1968; Roseland 1977; Tryon and Buck 1950; Tyron and Buck 1950; Valli 2004; Wenzel 1955.

**-Blood**

Banks et al. 2008b; Barrett and Chalmers 1975, 1976, 1977a, b, 1979; Bunch et al. 1976; Clemens et al. 1987; Dhindsa et al. 1974; Dhindsa et al. 1975; Dunbar 2003; McKean et al. 1977; Mitchell 1971; O’Gara 1978a, 2004d; Pojar and Spraker 1986; Popel et al. 1994; Seal and Hoskinson 1978; Trout 1976; Whittaker et al. 1999.

**-Brain**

Turner and Hall 2009.

**-Communications**

Kitchen 1974; Kitchen and Bromley 1974; Muller-Schwarze and Muller-Schwarze 1972b; O’Gara 2004a; Skinner 1922; Thiessen and Rice 1976; Wallace 1940; Walther 1984; Waring 1969.

**-Dentition**

Becker 1987; Buck 1947; Byers and Hill 2009; Dow 1952a, b; Dow and Wright 1962; Eskelsen and Fichter 1985; Hailey 1979; Harlan 1825; Hnatiuk 1970; Hoover et al. 1959; Jensen 1998; Kerwin and Mitchell 1971; Lubinski 2001; McCutchen 1966, 1969; Mitchell 1972a, b; O’Gara and Ball 2004; Semprebon and Rivals 2007a, b Swepston and Hailey 1991.

**-Eye Lens**

Kolenosky 1961; Kolenosky and Miller 1962.

**-Glands**

Beintema et al. 1977, 1979; Caton 1877; Edwards 1958a, b; Krause 1981; Moy 1969, 1970, 1971; Muller-Schwarze and Muller-Schwarze 1972a, b; Muller-Schwarze et al. 1974; Odend’hal et al. 1996; O’Gara 2004a; O’Gara and Moy 1972; Prenzlouw 1965a;

Thiessen and Rice 1976; Wood 2001, 2002, 2011.

**-Hearing**

Krausman et al. 2004; O’Gara 2004a; Viliani 1984; Waring 1969.

**-Horns**

Audubon and Backman 1851a, b; Bailey 1920; Bone 1984; Bridge 1942; Brown 1985; Brown and Edwards 2008; Brown and Mitchell 2006; Brown et al. 2002a, 2006b, c, 2010; Bubenik and Bubenik 1990; Buck 1947; Davis et al. 2011; Emlen 2008; Fruckey and Cragoe 1979; Fryxell 1926; Gray 1855; Grinnell 1906, 1910, 1921, 1932; Harlan 1925; Hay 1927; Kitchen 1974; Kitchen and Bromley 1974; Kitchen and O’Gara 1982; Lewis 1995; Lyon 1908; Mearns 1907; Menzel 1980b; Milks 1981, 1982; Mitchell and Maher 2001, 2004, 2006; Morrison 1961; Morton et al. 2008a, 2010; Noback 1932; Norgren 1940; O’Gara 1969b, 1978a, 1990, 2004a; O’Gara and Matson 1975; O’Gara et al. 1971; Ord 1815, 1818; Pocock 1905; Runkles 1966; Scott 1929; Skinner 1921; Solounias 1988; South Dakota Department Game, Fish, and Parks 1983; Spencer 1941; Throckmorton 1945; Zornes et al. 2010.

**-Life Table**

Ellis 1972.

**-Lips**

Muller-Schwarze 1970.

**-Longevity**

Einarsen 1948; Hepworth 1965; Mitchell 1980; O’Gara 2004a.

**-Lungs**

Markham et al. 1979; McKean and Walker 1974; Painter 2005; Simons 1995, 1996; Walker 1974; Weibel 1999a, b.

**-Measurements**

Brown et al. 2006c; Buck 1947; Harlan 1825; Martin and Parker 1997; Mason 1952b; Mearns 1907; Milks 1981, 1982; Mitchell 1971; Moulton 1987; Nesbitt and Wright 1985; O’Gara 1978a, 2004a; Ord 1818; Salwasser 1980; Stoddart and Rasmussen 1945; Tryon and Buck 1950; Work 2006.

**-Melanism**

Clary et al. 1985; O’Gara 2004a; Skinner 1922.

**-Muscle**

Kruggel and Field 1973, 1974.

**-Nucleic Acids/Chromosome/Deoxyribonucleic Acid/Ribonucleic Acid/Amino Acid**

Beintema et al. 1979; Carsana et al. 1983; Cronin et al. 1991; Dain 1977; Goldsmith 1988a; Hassanin and Douzery 2003; Lee 1992b; Mross and Doolittle 1967; O’Gara 2004a, d; Wurster and Benirschke 1967.

**-Skeletal**

Ford 1990; Gilbert 1980; Greer 1968; Lawrence 1951; Markham et al. 1980a; O’Gara and Ball 2004; Rensberger and Watabe 2000; Tillman 1971; Valli 2004.

**-Tears**

Caton 1977; O’Gara 2004a.

**-Temperature**

Cain III et al. 2006; Hébert 2006; Hébert et al. 2008; Lonsdale et al. 1971; Thorne 1975.

**-Vision**

Allen 1942; Bridge 1942; Caton 1877; Goldsmith 1990; Maynard 1991; Vaughn 1972.

**-Vocalization**

Chao 1985.

**-Weight**

Fairbanks 1993; Jensen 2000; Menzel 1980*b*; Mitchell 1971; O'Gara 1970*b, c*; Work 2006.

**Physiography**

see **Habitat** **-Habitat Characteristics/Description**

**Physiology**

Bear 1967*b*; Bear et al. 1973*b*; Booren et al. 1973; Byers 2006; Cain III et al. 2006; Carsana et al. 1983; Clemens et al. 1987; Dhindsa et al. 1974; Hoffman 1989; Holz 1981; Larsen 1964*b, 1965b, 1967b*; Lust et al. 2007; Markham et al. 1980*b*; Martin et al. 1992; Maher 2000; Mitchell et al. 2009; O'Gara 2004*c*; Painter 2005; Pojar and Miller 1984; Pojar and Spraker 1986; Pojar and Wolfe 1982; Pond 1978; Popel et al. 1994; Seal and Hoskinson 1978; Tluczek et al. 2010; Turner and Hall 2009; Walker 1974; Weibel 1999*a, b*; Wesley et al. 1969, 1970, 1973; Whisler and Lindstedt 1982, 1983.

**-Energetics**

Hébert 2006; Hébert et al. 2008; Lindstedt et al. 1988, 1991; Miller and Byers 1991; Wesley 1971; Wesley et al. 1970, 1973.

**-Iodine**

Markham et al. 1980*b*.

**-Precipitin Test**

Keiss and Morrison 1956.

**-Phermone**

Maher 2000; Muller-Schwartz et al. 1974; Singer 1973.

**-Polonium**

Sejkora 1982.

**-Plutonium**

Markham et al. 1979.

**-Strontium 90**

Markham et al. 1980*a*; Mitchell et al. 1972.

see **Physical Characteristics/Description**

see **Reproduction**

**Pioneers**

see **Settlers/Pioneers**

## **Plague**

see **Diseases**

## **Plan**

see **Management**

## **Playa**

see **Habitat Characteristics/Description**

## **Plioceros**

see **Prehistoric Pronghorn**

## **Poisonous Plants**

see **Vegetation -Toxic**

## **Policy**

Arizona Game and Fish Department 2006; Barrus 1974; Bell 1972; Budd 2010; Cancino et al. 2000; Cherney 2011; Cherney and Clark 2009; Gabrielson 1943; Jensen 2002; Jensen 2001; McDowell and Gates 1972; Nevada Board of Wildlife Commissioners 2003; Olsen 2010; Psikla 1978; Ramírez et al. 1999; Ruth 1937; Wilshusen and Wallace 2009; Wishart 1978; Yoakum 1999.

## **Population (Pronghorn)**

### **-Decline**

Allen 1942; Allred 1943; Cancino et al. 1994*a, b*, 2006, 2010; Cary 1911; Edson 1960; Greenquist 1983; Hailey 1965; Hailey et al. 1964, 1966; Hall 1946; Hlavachick 1965; Jaeger 1956; Johnson 1931; Jones 1964; Larsen 1967*a*; Leopold 1959*a, b*; Ligon 1917; Milek 1966; Mitchell 1972*a*, 1980; Murray 1932; Newman 1966*b*; Russell 1951; Sievers 2004; Sievers et al. 2004; Simpson and Leftwich 1978; Snyder 1965; South Dakota Department Game, Fish and Parks 1965; Sundstrom 1968*a*; United States Fish and Wildlife Service 1995; Villa 1951, 1955, 1959; Wood et al. 1972.

### **-Density**

Beale and Smith 1972*b*; Bear 1965; Buechner 1947*b*, 1950*a*, 1960*b*; Campbell 1970*a, b*; DeArment 1965; Dirschl 1960; Hansen 1958; Hess 1999; Herrig and Vohs 1972; Kohlmann 2004; Kohlmann et al. 1999; Larsen 1967*a*; Mason 1947; Mitchell 1980; Pojar et al. 1995; Pyrah 1987; Roberts 1970; Sides et al. 2006*a*; Simpson 2005; South Dakota Department Game, Fish and Parks 1965; Tileston and Yeager 1962; Townsend 1972; Wallace 1940, Yoakum 1978*b*.

### **-Dynamics**

Avsharian and Byers 2001; Bear 1968*b*; Berger and Conner 2008; Berger et al. 2008; Boyce and Tate 1979; Buechner 1960*a, b*; Campbell 1970*a, b*, 1972; Danvir 2000;

DeArment 1968; Dennehy 1997; Dickens and Andrews 1985; Dunn and Byers 2008; Ellis 1970, 1972; Gaillard et al. 2000; Hinman 1959; Hockley 1968; Hoffman et al. 2010; Keating 2005; Keister 1986; Knowlton 1968; Kohlmann 2004; Mitchell 1972*b*, 1980; Nimmo 1971; Pate 1973; Pojar 1987, 1988; Pojar and Gill 1990; Pyrah 1987; Scott 1988, 1990; Sheriff 2006; Sheriff et al. 2006; Smyser et al. 2006*c*; Straley 1966, 1968; West 1970; White et al. 2007*a*.

**-Fluctuations/"Cycles"**

Deming 1960; Griffith 1962*a*; Nimmo 1971.

**-Size/Status**

Ackermann 2006; Alexander 1994; Anderson 1938; Azuara et al. 2001; Barrett 1980*a*; Beale 1972, 1978*a*, 1980, 1982, 1984, 1986*a*, 1988; Bell 1990; Bernt 1976*a, b*; Blunt 1950; Brown 1978*a, b*, 1986*a*; Bryant 1948; Buechner 1960*b*; Calalane 1948; Campbell 1982; Cancino et al. 1994*a, b*, 1998, 2006; Cary 1911; Castillo et al. 2000; Clark 1988, 1990; Clark 1999; Clemente et al. 2006; Colton 1992; Deming 1959; Dobel 1988, 2000; Dobson 1982, 1988, 2000; Dobyngs 1981; Doell and Smith 1965; Dood 1984*a*; Duvall 1990; Dvorak 1986; Ebert 1978, 1980; Eccles et al. 1994; Edson 1960; Einarsen 1938, 1939; Elliott 1968; Fichter 1956, 1957, 1958; Foree 1959, 1960; Fox et al. 2000*a*; Funk 1978, 1980, 1982, 1984, 1986, 1988*b*; Gabrielson 1935, 1943; Garner 1986, 1988; Gasson 1980, 1986; Gilman 1960; Glasgow 1988, 2005; González y Lafon 1993; Grater 1935; Gray and Pojar 1992; Grinnell 1906, 1929, 1932; Gudmundson 1978, 1984; Guenzel 1988*a*; Hack and Menzel 2002; Hall 1982; Halloran 1954, 1957; Hammond 1986, 1988; Hazeltine and Worden 1961; Helms 1978*a*; Hepworth 1973; Hernández 1980; Herring 1974, 1978; Hess 1982; Hiatt 1982; Hlavachick 1966*b*; Hnilicka et al. 2010; Hoffmann et al. 2008; Howard et al. 1983, 1984; Ingram 1984; International Union of Conservation and Nature 1996; Ives 1968; Janson 1960; Jeffress 1986; Johnson 1972; Jones 1949; Jubber 1982; Killaby et al. 1992; Koch and Yoakum 2002; Kothmann 1980, 1982; Kuck 2000; Lee 1988, 1990*a*, 1992*a*, 2000*a*; Leopold 1947; Ligon 1927; Luman 1960, 1962; Martin 1972; Mason 1974; McCoy 1999; McKenzie 1980, 1984*a*, 1986, 1992, 2000; Melinchuk 1984; Menzel 1972*a*; 1978, 1980*a*, 1982, 1988, 1994; Miller 1967; Mitchell 1980; Morrison 1980, 1982, 1984; Morton et al. 2008*b*; Nelson 1925; Nelson 1990; Novak and Deming 1960; O'Gara 2000*a*; Oldenburg 1986, 1988; O'Neil 1980; Parson 1978, 1980; Pender 1984; Phelps 1978*a*; Pojar 1980, 1982, 1984, 1986*a*, 1988, 1994, 2004; Pojar and Gill 1990; Polenz 1969, 1976*a, b*; Pyle and Reiswig 1994; Pyrah 1976, 1978, 1980; Pyshora 1969, 1978, 1986, 1988; Ramírez et al. 2000; Rand 1947; Reynolds 1986; Rice 1986; Richardson 2000; Richardson 1969; Riddle 1990; Russ 1984; Saiz 1986; Samuelson 1978, 1980, 1981, 1982, 1988; Sanders 1980; Sawyer and Lindzey 2000; Sax 1984; Schenck 1980, 1982, 1984; Schilowsky 2010; Scott 1988; Sexson 1990, 1992; Sexson and Fox 1994; Shaw and Lee 1997; Shaw 2000*c*; Sibley 2006; Simpson and Leftwich 1978; Smith and Baldes 1981; Smith 1982; Smith 1992; Stein 1967; Steinert 2000; Stelfox 1993; Stillings 2004; Stout 1972; Suetsugu 1992; Sundstrom et al. 1973; Swepston 1990, 1992; Swepston and Hailey 1991; Swepston and Richardson 1994*a*; Taggart 1999; Thayer 1980, 1984; Ticer and DeVos 2001; Ticer and Munig 1999; Torland 1980; Treviño 1978*a, b*; Treviño and

Schemnitz 1982; Trueblood 1971; Tsukamoto 1978, 1980; United States Fish and Wildlife Service 1944, 1967, 1988; Van Dyke 1990; Van Dyke and Willis 1992; Villa 1959; Watson 1986; Watts 1990a; Welch 2000; West 1969; Weybright 2000; Wiltse 1978a, 1980; Winkler 1978; Wint 1978; Wrede 1988, 1990, 1992; Yoakum 2004a; Yoakum et al. 1999.

**-Structure**

Bear 1968b; Boyce and Tate 1982; Brown 1986a; Dow and Wright 1962; Mitchell 1980; Simpson et al. 2007; West 1970.

**-Trend**

Ackermann 2006; Barrington 1978; Bear 1968a; Beer 1944; Bigonyl 1982; Blair 1982; Bromley 1972; Brown 2007, 2008; Cancino 2005a; Cancino et al. 2006, 2010; Clark 2001; Czaplewski 1986; Floyd 1924; Helms 1978b; Fichter and Neilson 1962; Flather and Hoeckstra 1989; Froggart 1994; Gaillard et al. 2000; Gasson and Wollrab 1986; Guardarrama 2001; Halloran 1956; Hansen 1958; Helms 1978a; Hervert et al. 1995, 2000a; Hinman 1960, 1961; Horne 1925; Howard et al. 1973; Hunt 1948; Jackson 1944; Johnson 1967; Keating 2005; Knight 1983; Larsen 1970; Leftwich and Simpson 1978b; Leister 1932; Lemon 1943; Long 1965a; Martínez et al. 2000; Mathisen 1960; Matthiessen 1959; McKenzie 1963; Meyers 1962; Miller 1967; Miranda 2000; Miranda and Martínez 2001; Nielson 1962; Ockenfels et al. 2002; Pate 1973; Pojar and Gill 1990; Rand 1947; Roberts 1970; Rush 1944; Russo 1965; Samuelson 1980; Sather and Schildman 1955; Scott 1988, 1990; Shaw 1960; Smyser 2005; Smyser et al. 2005; Till 1956; Udy 1953; United States Fish and Wildlife Service 1944, 1967, 1988; Uzzell 1953; Weswig 1956; Woody 1970; Yeaman 1965; Yoakum 1962, 1968, 1986a, 2003, 2008c.

**-Viable**

Cancino 1994b, 2005; Cancino et al. 2006, 2010; DeVos and Thompson-Olais 2000; Goodman 1996; Hosack et al. 2002; Scott 1990.

see **Census**

see **Management**

**Prairie dog**

see **Rodents**

**Precipitation**

see **Climate**

**Precipitin Test**

see **Physiology**

**Predation**

Ackerly and Regier 1956; Anderson and Lindzey 2003; Autenrieth 1980b, 1982b, 1984b; Barnowe-Meyer et al. 2009; Barnowe-Meyer et al. 2009, 2010; Barrett 1984; Beale 1978b, 1986b; Beckmann and Berger 2005; Berger 1979; Berger and Wehausen 1991; Berger et al. 1983; Berger 2006; Berger and Conner 2008; Berger et al. 2008; Bodie 1978, 1979a, b; Bowns 1995; Bruns 1970; Buechner 1950d; Canon 1995b; Canon and

Bryant 1992*b*; Cearley 2006; Chipault and Long 2010; Connolly 1978; Creek 1967; Deblinger and Alldredge 1996; Doell and Smith 1965; Folker 1956*a, b*; Foree 1959; Gese et al. 1988; Goodwin 1977; Grajales 1998; Grajales et al. 2003; Greenquist 1983; Hailey et al. 1964; Hazeltine et al. 1962, 1963; Hinman 1960, 1961; Jacques and Jenks 2008; Jacques et al. 2007; Janis and Wilhelm 1993; Jorgensen 1992; Kindschy 1986; Lehti 1947; Linnell et al. 1995; Lipetz 1980; Lipetz and Bekoff 1980, 1982; Lynch 2011; Miller 1995; Neff and Woolsey 1979, 1980; Neff et al. 1985; Ockenfels 1994*a*; O'Connor and Goodwin 1961; O'Gara 1978*b*; O'Gara et al. 1986; O'Gara and Shaw 2004; Pate 1969; Popowski 1959; Ripple and Beschta 2008; Sanábria et al. 1996; Smyser et al. 2006*b*, 2008; Spillett 1964; Spofford 1964; Stokes 1952; Thompson 1949; Tileston and Yeager 1962; Tinger 1973; United States Fish and Wildlife Service 1994; Von Gunten 1978*a, b*; White and Garrot 2005; White 1969; Wilkinson 1995; Yoakum 1957, 2010*b*; Yoakum et al. 2004; Young and Goldman 1944, 1946; Young and Jackson 1951.

**-Method of Kill**

Grinnell 1897; O'Gara 1978*b*.

**-Predator Control**

Alcorn 2006; Arrington and Edwards 1951; Brown 2009; Brown and Conover 2011; Buechner 1950*a, b*; Canon 1995*a*; Chambers 1920; Connolly 1978; Corneli 1980; Davila 1960; Durbin 1997; Gilman 1961; Greenquist 1983; Griffith 1962*a*; Halloran 1956; Harrington and Conover 2007; Knipe 1944; Knowlton 1968; Leopold 1947; Mace 1949; Mason 1947; Menzel 1992; Ockenfels 2006; Ockenfels et al. 1992; O'Gara and Malcolm 1988; Oregon State Game Commission 1972; Phillips and White 2003; Rosko 1948; Russell 1951; Seidler 2009; Seidler et al. 2010; Shaw 2000*a*; Smith et al. 1986; South Dakota Department Game, Fish and Parks 1965; Udy 1953; Willis 1988; Willis et al. 1993; Yoakum 2007, 2008*b*, 2010*a*; Yoakum et al. 2004.

see **Bobcat**

see **Coyote**

see **Eagle**

see **Mountain Lion**

see **Wolf**

**Prehistoric Pronghorn**

Chorn et al. 1988; Dalquest 1974; Davis 2007; Furlong 1935; Gazin 1935; Hay 1914; Heffelfinger 2006; Heffelfinger et al. 1999; Hulen 1997; Richards and McCrossin 1991.

**-Breameryx minor**

Stock 1956.

**-Capromeryx**

Chandler 1916; Furlong 1925, 1930; Jimenez-Hidalgo et al. 2004; Morgan and Morgan 1995; White and Morgan 2011.

-*C. altidens*

Hesse 1935; O'Gara and Janis 2004*b*.

-*C. texanus*

Hesse 1935; Matthew 1934; Stirton 1938; Stock 1932.



**-Ceratomeryx prenticei**

Gazin 1935; O'Gara and Janis 2004*b*.

**-Dromomeryx**

Scott 1929.

**-Hermameryx**

-*H. simorel*

Webb 1973.

-*H. simpsoni*

Webb 1973.

**-Ilingoceros alexandras**

Merriam 1909, 1911.

**-Merycodus**

Furlong 1927; Hesse 1935; Matthew 1904; Merriam 1911; O'Gara and Janis 2004*b*.

**-Neotragocerus**

-*N. improvinus*

Merriam 1918.

-*N. lindgrini*

Merriam 1918.

**-Plioceros**

Stirton 1938.

**-Proantilocapra platycornea**

Barbour and Shultz 1934; Stirton 1938.

**-Sphenophalos**

Furlong 1932; Merriam 1909, 1911; Stirton 1938.

**-Stockoceros**

Brown and Ockenfels 2007; Hibbard and Dalquest 1960; Hulen 1997; Rivals and Semperson 2006; Skinner 1942.

**-Tetrameryx**

Colbert et al. 1939.

-*T. conclingi*

Stock 1930, 1932.

-*T. knoxensis*

Hibbard and Dalquest 1960.

-*T. onusrosagris*

Roosevelt and Burden 1934.

**-Texoceros**

Stirton 1938.

see **Paleontology**

**Proantilocapra**

see **Prehistoric Pronghorn**

**Production**

see **Reproduction**

**Protection for Fawns**

see **Behavior**

**Public Relations**

Knipe 1944; Longhurst 1957; Mace 1952; Monson 1968; Pearl 1963*a, b*; Psikla 1978; Wall 1990.

**Puma**

see **Mountain Lion**

**Q**

No keywords

**R**

**Rabbitbrush**

see **Shrubs**

**Rabbits/Hares**

Arthur and Gates 1988; Beale 1986*b*; Gates 1983; Gates and Eng 1984; Kelly 1988; Wicklow and Zak 1983.

**Rabies**

see **Diseases**

**Radio Telemetry**

Bates 2000; Bayless 1967, 1968, 1969; Beale 1966, 1973; Beale and Smith 1972*a*, 1973; Bodie 1978; Goldsmith 1988*a, b*, 1992; Griffith 1962*a*; Hawkins 1976; Hughes and Smith 1990; Knowlton 1968; Lonsdale et al. 1971; Ockenfels 1992; Thorne 1975; Torbit et al. 1993; Von Gunten 1978*a, b*.

**Railroads**

**-Barriers to Movement**

Murray 1932, Newberry 1855; Ockenfels et al. 2000*a*.

**Rain**

see **Climate -Precipitation**

## **Raising (fawns)**

see **Captivity**

see **Fawns and Fawning**

## **Rangeland**

Beale and Scotter 1968; Buechner 1947a, 1950c, Burcham 1957; Clemente 1993; Clemente et al. 2009; Deming 1959; Ellis 1972; Folker 1956a, b; Foree 1959, 1960; Freeman 1971; Gabrielson 1935; Grimm 1939; Hailey 1965; Hailey et al. 1966; Heady and Child 1994; Hinman 1959; Hjersman and Yoakum 1959; Holechek et al. 1988; Hughes 1991; Hughes and Smith 1990; Jatnieks-Straumanis 1984; Johnson 1967; Kie et al. 1994; Kindschy et al. 1978, 1982; Knipe 1944; Leopold 1951b, 1959a; Ligon 1927; Mitchell and Smoliak 1971; Novak and Deming 1960; Ockenfels et al. 1994; Rouse 1959; Russell 1951; Stoddart et al. 1975; United States Bureau Land Management 1980; United States Fish and Wildlife Service 1994; United States National Park Service 1964; Wallace 1940; Yeaman 1965; Yoakum 1957; Yoakum and O'Gara 1990; Yoakum et al. 1996.

### **-Enhancements**

Aoude and Danvir 2002; Barrett 1979; Beale 1963; Beardahl and Sylvester 1974; Benson 1956; Bever 1951a; California Department Fish and Game 1966; Clark 2006; Davila 1960; Fichter 1974, 1976; Greenquist 1983; Griffith 1962a; Hall 1965; Hazeltine et al. 1962, 1963; Heady and Bartolome 1977; Kindschy 1974, 1982, 1996; Kindschy et al. 1978, 1982; Loeser et al. 2005; Reeher 1969; United States Bureau Land Management 1982; United States Fish and Wildlife Service 1994, 1995; United States Forest Service 1988; Vallentine 1989; Wallace 1940; Wentland 1968a, b; Yoakum 1978a, c, 1979, 1980, 1982, 1983, 1988, 1995; Yoakum and O'Gara 1990; Yoakum et al. 1980, 1996.

### **-Sites**

Ghaly 1980; Herrig 1974; Herrig and Vohs 1972; Mitchell 1980; Salwasser 1980; Taylor 1972a, b; Yoakum 1980.

### **-Surveys**

California Department Fish and Game 1966; Gilman 1961; Luman 1962.

## **Rattlesnakes**

Rush 1944.

## **Recipe (cooking)**

see **Venison**

## **Recovery Plan**

see **Endangered Species**

## **Recreation**

Jakimchuk 1969; Roush 2011; United States Fish and Wildlife Service 1988.

### **-Trails**

Fairbanks and Tullous 2002; Tullous and Fairbanks 2002.

see **Hunting**

## **Recruitment**

see **Fawns and Fawning**

## **Refuge/Preserve/Protected Areas: Federal**

Calalane 1948; Creek 1967; DuMont 1951; Einarsen 1948; Halloran 1954; Knipe 1944; Leopold 1948; Nelson 1925; O’Gara and McCabe 2004; Phelps 1978; Ruth 1937; Taylor 1936.

### **-Agua Fria National Monument**

Brown et al. 2008.

### **-Arapaho National Wildlife Refuge**

United States Fish and Wildlife Service 2003.

### **-Bad Lands National Park**

United States Department of the Interior 2012k.

### **-Big Bend National Park**

United States Department of the Interior 2006.

### **-Bighorn Canyon National Recreation Area**

United States Department of the Interior 2012y.

### **-Bryce Canyon National Park**

United States Department of the Interior 2012b.

### **-Buenos Aires National Wildlife Refuge**

Ulen 1994.

### **-Cabeza Prieta National Wildlife Refuge**

Cohn 2007; Cutler 1996, Cutler et al. 1996; Hughes and Smith 1990; Thompson-Olais 1992; United States Fish and Wildlife Service 1982.

### **-Capitol Reef National Park**

United States Department of the Interior 2012l.

### **-Capulin Volcano National Monument**

United States Department of the Interior 2012m.

### **-Carlsbad Caverns National Park**

United States Department of the Interior 2007a.

### **-Carrizo Plain National Monument**

Koch and Yoakum 2002; Longshore and Lowrey 2007.

### **-Charles Russell National Wildlife Refuge**

Ruth 1937.

### **-Charles Sheldon National Wildlife Refuge**

Deming, 1954, 1958a, b; DuMont 1951; Durbin 1997; Gabrielson 1935, 1943; Gregg 1997; Gruell 1995; Hansen 1955; Hansen and Anthony 1999; Hazeltine and Worden 1961; Hazeltine et al. 1962, 1963; Maher 1991; McNay 1980; Meeker 1979; Richarson 1969; United States Fish and Wildlife Service 1962, 1980, 2011; Worden and Deming 1960.

**-City of Rocks National Reserve**

United States Department of the Interior 2007a, 2012t.

**-Devils Tower National Monument**

United States Department of the Interior 2012n.

**-El Pinacate y Gran Desierto de Altar Biosphere Reserve**

Castillo-Sánchez 1999; Diario Oficial de la Federación 1993; López y Paredes 1999.

**-El Vizcaino Biosphere Reserve**

Cancino 1988, 1994; Cancino et al. 1994a, b, 1995; Diario Oficial de la Federación 1988; González and Cancino 2001; Grajales 1998; Grajales et al. 2003.

**-Fort Union National Monument**

United States Department of the Interior 2012w.

**-Fossil Butte National Monument**

United States Department of the Interior 2012h.

**-Fort Niobrara National Wildlife Refuge**

Ruth 1937.

**-Gila National Forest**

United States Department of Agriculture and United States Forest Service 2012.

**-Glacier National Park**

United States Department of the Interior 2012i.

**-Glen Canyon National Recreation Area**

United States Department of the Interior 2012c.

**-Grand Canyon National Park**

Grater 1935; Redburn 1931; Scoyen 1927.

**-Grand Staircase – Escalante National Monument**

Flinders et al. 2002.

**-Grand Teton National Park**

Berger 2003; Berger 2006; Cherney and Clark 2009; Harper 1985; Johnson 1982.

**-Great Basin National Park**

Aikens 1978; Berger and Wehausen 1991; United States Department of the Interior 2012j.

**-Great Sand Dunes National Park and Preserve**

United States Department of the Interior 2012e.

**-Guadalupe Mountains National Park**

United States Department of the Interior 2012z.

**-Hart Mountain National Antelope Refuge**

Banks et al. 2008a, b; Deming 1954, 1958a, b; DuMont 1951; Dunbar 1999a, b, 2001, 2003; Dunbar and Giordano 2000; Dunbar and Velarde 1998; Dunbar et al. 1999b, 2000; Durbin 1997; Farinetti and Nunn 2001; Gabrielson 1935, 1943; Good 1977; Good and Crawford 1978; Gregg et al. 2001a, b; Gruell 1995; Hansen 1955; Hansen and Anthony 1999; Hazeltine and Worden 1961; Hazeltine et al. 1962, 1963; Herrig 1974; Herrig and Vohs 1972; Jewett 1939; Mason 1952a, b; Nelson 1925; Novak and Deming 1960; Pyle and Yoakum 1994; Richarson 1969; Ruth 1937; United States Fish and Wildlife Service 1962, 1970, 1990, 1994, 1995; Yoakum 1957, 2004c, e, 2008a, c, 2010a.

**-Janos Biosphere Reserve**

Diario Oficial de la Federación 2009.

**-Jefferson National Expansion Memorial**

United States Department of the Interior 2012x.

**-John Day Fossil Beds National Monument**

United States Department of the Interior 2012f.

**-Kofa National Wildlife Refuge**

United States Fish and Wildlife Service 2012.

**-Lava Beds National Monument**

United States Department of the Interior 2012g.

**-National Bison Range**

Bromley 1967, 1969; Byers 1986, 1989, 1997a, b, 2003a, b, 2006, 2011; Byers and Byers 1983; Byers and Hogg 1995; Byers and Kitchen 1988; Byers and Moodie 1990; Byers and Waits 2006; Byers and Walker 1995; Byers et al. 1994, 2005a, b, 2006, 2010; Byers and Hogg 1995; Corneli 1980; Corneli et al. 1984; Dunn 2010; Grinnell 1929; Irby 1981; Kitchen 1972, 1974; McCullough 1980; Nelson 1925; O’Gara 1988; O’Gara and Malcolm 1988; Reichel 1976; Ruth 1937; Swanger 1977; United States Fish and Wildlife Service 1990; Von Gunten 1978a, b.

**-Nez Perce National Historical Park**

United States Department of the Interior 2012s.

**-Northern Rio Grande National Heritage Area**

United States Department of the Interior 2012d.

**-Organ Pipe Cactus National Park**

United States Department of the Interior 2012u.

**-Pawnee National Grassland**

Hoover 1971, 1972.

**-Petrified Forest National Park**

Van Riper III et al. 2001.

**-Petroglyph National Monument**

United States Department of the Interior 2012q.

**-Prescott National Forest**

Brown et al. 2008; Shaw 2000b.

**-Rocky Mountain National Park**

Armstrong 1987.

**-Sand Creek Masacre National Historic Site**

United States Department of the Interior 2012r.

**-Santa Fe National Historic Trail**

United States Department of the Interior 2012v.

**-Shasta National Forest**

Johnson 1931.

**-Theodore Roosevelt National Park**

United States Department of the Interior 2012o.

**-White Sands National Monument**

United States Department of the Interior 2012a.

**-Wichita Mountains National Wildlife Refuge**

Buechner 1950*d*; Grinnell 1929; Halloran 1956; Halloran and Glass 1959; Ruth 1937.

**-Wind Cave National Park**

Archer 1982; Chambers 1920; Chronert et al. 2006; Jacques et al. 2006, 2007; Jenks et al. 2006; Lovaas and Bromley 1972; Mogen 1977; Schuler 2006; Sievers 2004; Sievers et al. 2004, 2007; United States Department of the Interior 2012aa.

**-Wupatki National Monument**

Bright and Van Ripper III 2000*b*; United States Department of the Interior 2012*p*.

**-Yellowstone National Park**

Arrandale 2008; Barmore 1969; Barnowe-Meyer 2009; Barnowe-Meyer et al. 2009, 2011; Boccadori 2002; Boccadori and Garrott 2002; Boccadori et al. 2008; Brown 1954*b*, 1955; Caslick and Caslick 1996; Chase 1987; Clark 1999, 2001; Gilbert 1972, 1973; Greer 1968; Greiner 1965; Greiner et al. 1974; Grimm 1939; Harris et al. 2009; Keating 2005; Murie 1940; O’Gara and Greer 1970; Risch and Frank 2006; Rush 1932; Scott 1988, 1989, 1990, 1991*a, b, c*, 1992, 1994, 2004; Scott and Geisser 1996; Singer and Renkin 1995; Skinner 1921, 1922, 1924; Smith et al. 2009; United States Department of the Interior – National Park Service 1964; United States National Park Service 1964; Wambolt and Sherwood 1999; White et al. 2007*a, b*; White and Garrot 2005; Yellowstone National Park 1997.

**-Yosemite National Park**

Grinnell and Storer 1924.

**Refuge/Preserve/Protected Areas: State/Province**

**-Antelope Island State Park**

Fairbanks and Tullous 2002; Kilgore and Fairbanks 1997; Taylor and Knight 2003; Tullous and Fairbanks 2002; Wyssman 2000.

**Remote sensing**

see **Habitat –Monitoring**

**Reproduction**

Birney and Day 1985; Byers et al. 2010; Byers and Kitchen 1988; Byers and Waits 2006; Byers et al. 1994, 2005*b*; Canon et al. 1997; Carling 2001, 2002; Carling et al. 2003*b*; Dunn 2010; Fairbanks 1992; O’Gara 1968, 1969*a*, 2004*c, d*; Pojar and Miller 1984; Pojar and Wolfe 1982; Stearns 1987; Stelfox 1993; Trueblood and Post 1959; Tyron and Buck 1950; West 1970; Wislocki and Fawcett 1949.

**-Breeding Age**

Creek 1967; Ellis and Deblinger 1975; Hepworth 1965; O’Gara 2004*d*; Wright and Dow 1962.

**-Castration**

see **Domestication**

**-Fetus**

Buck 1947; Edwards 1958*a, b*; Ellis 1972; Knowlton 1968; Mitchell 1965, 1967; O’Gara 1968, 1969, 1970*a*, 2004*d*; Trueblood and Post 1959; Tryon and Buck 1950; Zimmer and Lindzey 2002.

**-Gestation Period**

Hepworth 1965; Larsen 1964*a*; O’Gara 1968, 1969, 1970*a*, 2004*d*.

**-Parturition**

Bromley 1967; Craig 1963; Creek 1967; Dorothy Ticer et al. 2000; Edwards 1958*a, b*; Ellis and Deblinger 1975; Fairbanks 1993; Howard 1966; Larsen 1964*b*; Mitchell 1967, 1978*b*; O’Gara 1970*a*, 1978*a*, 2004*d*; Reynolds and Autenrieth 1980; Smith et al. 1965; Wislocki and Fawcett 1949; Wright and Dow 1962; Yoakum 1957.

**-Production**

Beale and Smith 1970; Bristow et al. 2006*a, b, c*; Bromley 1978; Brown and Conover 2011; Brown et al. 2004; Chambers 1920; DeArment 1968; Dunn and Byers 2008; Fairbanks 1990*b*; Firchow et al. 1986*b*; Folker 1956*a, b*; Gregg et al. 2001*a, b*; Hailey et al. 1966; Hall et al. 2000; Hansen 1955; Hazeltine et al. 1962, 1963; Howard and Lara 1982; Lang 1956*b*; Larsen 1970; McKinney et al. 2008; Mitchell 1965, 1980; Ockenfels et al. 1992; O’Gara 2004*d*; Pyrah 1976; Sprague et al. 2004; Vriend and Barrett 1978.

**-Reproductive Potential**

Beale and Smith 1970; Birney and Day 1985; Bradybaugh and Howard 1982; Byers et al. 2005*a*; Chattin and Lassen 1950; DeArment 1965, 1968; DeArment et al. 1966; Dunn and Byers 2008; Edwards 1958*a, b*; Fichter and Neilson 1959, 1960, 1962, 1964; Heller 1930; Hjersman and Yoakum 1959; Ingold 1969; Jones 1949; Kerr 1968; Larsen 1965*a*; Leopold 1948; Mitchell 1965, 1980; O’Gara 1978*a*, 2004*d*; Oregon State Game Commission 1961; Salwasser 1980; Shelford 1954; Snyder 1965; Tileston and Yeager 1962; Trueblood and Post 1959; Tryon and Buck 1950.

**-Testicular Cycle**

Mitchell 1980; O’Gara et al. 1971, 2004*d*.

see **Behavior**

see **Behavior**

see **Fawns and Fawning**

see **Nutrition**

**Response to Capture**

see **Behavior**

**Response to Environmental Factors**

see **Behavior**

**Response to Human Activity**

see **Behavior**

**Response to Livestock**

see **Behavior**



**Restoration Habitat**

see **Habitat Enhancement**  
see **Range Improvements**  
see **Vegetation Restoration**

**Restoration of Populations**

see **Management**  
see **Trapping/Translocation**

**Ribonucleic Acid (RNA)**

see **Physical Characteristics/Description**

**Rivers**

Einarsen 1948; Moulton 1987; Ogilvie 1953.

**Roads**

see **Highways**  
see **Mortality**

**Rocky Mountain National Park**

see **Refuge/Preserve/Protected Areas**

**Rodents**

Maxell 1973, Beale 1986.

**-Prairie Dog**

Cid et al. 1991; Koford 1956; Krueger 1984, 1986; Lomolino and Smith 2004; Lovaas and Bromley 1972; Vermeire et al. 2004; Wilcox 1963.

**-Ground Squirrels**

Beale 1986*b*; Maxell 1973.

**Rumen Analysis**

see **Diet Selection**

**Rut**

see **Behavior**

**S**

**Sagebrush**

see **Shrubs**

**Saiga**

see **Antelope**

**Salt**

see **Nutrition**

**San Luis Potosí, Mexico**

Alcérreca y Sánchez 1979, 1981; Dalquest 1953; Ramírez 1985; Sánchez y Alcérreca 1982.

**Sand Creek Masacre National Historic Site**

see **Refuge/Preserve/Protected Areas**

**Santa Fe National Historic Trail**

see **Refuge/Preserve/Protected Areas**

**Saskatchewan, Canada**

Arsenault 2007, 2008; Barrett and Chalmers 1975; Benson 1956; Dirschl 1960, 1962a, 1963; Dobson 1982, 1988, 2000; Forsyth 1942; Gates et al. 2008; Gollop 1982; Hnatiuk 1972; Jones 2011; Kavanagh 1966; Killaby et al. 1992; Kolenosky and Miller 1962; Long 2011; Martinka 1966a, b; Melinchuk 1984; Pyle 1972; Quammen 2010; Suitor et al. 2008; Van Donkersgoed et al. 1990; Wiltse 1978a, b, 1980; Wobeser et al. 1975.

**Scent Marking**

see **Behavior**

**Scientific Name**

see ***Antilocapra americana***

**Seasons of the Year**

see **Habitat -Season of Use**

**Selenium**

see **Nutrition**

**Settlers/Pioneers**

Allen 1874; Allison 1890; Bailey 1926; Baird 1852, 1857; Beer 1944; Benson 1956; Bryant 1848; Cary 1911; Coues 1893; Fashinbauer 1965; Forsyth 1942; Grinnell 1929; Horne 1925; Leopold 1959a; Ligon 1927; Love and DeWitt 1988; McCabe et al. 2004; McLean 1944; Meyers 1963; Mitchell 1980; Murray 1932; Nelson 1925; Newberry 1855; Nielson 1962; Popowski 1959; Roosevelt et al. 1902; Salwasser 1980; Samuelson 1980; Simpson and Leftwich 1978; Stokes 1952; Sundstrom 1968a.

### **-Historical Accounts**

Allen 1942; Bailey 1905; Blair 1982; Brown and Ockenfels 2007; Costello 1969; Coues 1893; Egan 1977; Einarsen 1948; Evans 1997; Godman 1826; Gilmore 1874; Grinnell 1906, 1929, 1932; Hornaday 1909; Jones 1960; Kavanagh 1966; Leftwich and Simpson 1978*b*; Leopold 1959*b*; Leister 1932; Love and DeWitt 1988; Lubinski 1999; McCabe et al. 2004; McKinley 1960; McLean 1944; Meyers 1963; Newberry 1855; Nielson 1962; O’Gara and McCabe 2004; Popowski 1959; Rand 1947; Roosevelt et al. 1902; Rhodes 1849; Russell 1843; Salwasser 1980; Samuelson 1980; Seton 1927; Simpson and Leftwich 1978; Skinner 1922; Smith and Baldes 1981; Till 1956; Torquemada 1723; Tyler and Anderson 1990; United States Fish and Wildlife Service 1962; Wagner 1978; Wishart 1970, 1972, Wyoming Game and Fish Commission 1966.

### **-Homesteaders**

United States Department of the Interior 2012*d*, *v*, *x*, *z*.

### **Sex Ratios**

see **Herd Composition**

### **Shasta National Forest**

see **Refuge/Preserve/Protected Areas**

### **Sheep**

#### **-Domestic**

Allen and Kyles 1953; Allen and Samson 1961; Allen et al. 1959, 1970; Beasom et al. 1982*b*; Bergstrom 1975*a*; Boddicker 1966; Boddicker and Huggins 1969; Buechner 1947*a, b*, 1950*a, c*, 1960*a, b*; Campbell 1970*a, b*, 1972; Clark et al. 1972; Clary and Beale 1983; Clary and Holmgren 1982; Douglas 1953; Einarsen 1948; Elliott 1948; Freeman 1971; Goldsby and Eveleth 1954; Hepworth 1965, 1969; Horne 1925; Howard et al. 1980, 1982, 1983, 1990; Jeffers 1985; Kautz and Van Dyne 1978; Lay 1946; Leopold 1959*a*; Leftwich and Simpson 1978*a*; Longhurst et al. 1983; McCarty 1982*a, b*; Milek 1966; Olsen and Hansen 1977; Raney 1968; Rouse 1954, 1962; Sampson 1952; Schwartz and Ellis 1981; Schwartz and Nagy 1976; Severson 1966*a, b*; Severson and May 1967; Severson et al. 1968; Smith and Beale 1980; Stoddart and Rasmussen 1945; Taylor 1975; Thomas and Rosentreter 1992*a, b*; Van Wormer 1969; Vavra and Sneva 1978*a, b*; Wagner 1978, 1983; Yoakum 1995, 2004*d*; Yoakum and O’Gara 1990; Yoakum et al. 1996.

#### **-Wild** (Bighorn Sheep)

Bailey and Cooperrider 1982; Berger 1985; Ford 1990; Grimm 1939; Hansen 1982, 1986; Hansen and Anthony 1999; McCullough 1980; McDowell and Gates 1972; Wild et al. 1994; Yoakum 2008*b*.

### **Shrubs**

Clark and Medcraft 1986; Holechek 1984; Stastny et al. 2008.

#### **-Chokecherry**

Ogilvie 1955; Yoakum 2004*c*.

**-Ephedra**

Brown and Shaw 2006.

**-Rabbitbrush**

Boccardori 2002; Boccardori and Garrott 2002; Boccardori et al. 2008; Hepworth 1965; Severson et al. 1968; Singer and Renkin 1995; Taylor 1972*a, b*, 1974.

**-Sagebrush**

Autenrieth 1976; Barrett 1974; Bayless 1971; Bever 1951*a*; Boccardori 2002; Boccardori and Garrott 2002; Boccardori et al. 2008; Buck 1947; Clark and Medcraft 1986; Couey 1946*a, b*; Deblinger and Alldredge 1991; Deming 1963; Dirschl 1960; Doell and Smith 1965; Ferrel and Leach 1950, 1952; Fichter 1974; Gates 1983; Gates and Eng 1984; Grimm 1939; Hall 1963, 1965; Hepworth 1965, 1973; Hlavachick 1966*a*; Jacobs 1973; Jacques et al. 2009*b*; Jakes et al. 2010*a*; Kohler 1950; Langdon 1964; Martinka 1966*a*, 1967; Mason 1952*a, b*; Mitchell and Smoliak 1971; Morris 1972; Pyrah 1968, 1970*b*, 1971; Reeve 1984; Roberts 1970; Severson et al. 1968; Singer and Renkin 1995; Smith 1974; Smith and Malachek 1974; Smith et al. 1965; Sneva and Vavra 1978; Stanton 1962; United States Fish and Wildlife Service 1994; United States National Park Service 1964; Wambolt and Sherwood 1999; Wambolt et al. 2000; Yoakum 1986*b*, 1990, 2004*a*.

**-Snakeweed**

Couey 1946.

**-Snowberry**

Buck 1947; Couey 1946*a, b*.

**Skeletal**

see **Physical Characteristics/Description**

**Snakeweed**

see **Shrubs**

**Snow**

see **Climate**

**Snowberry**

see **Shrubs**

**Socialization**

see **Behavior**

**Soils**

see **Habitat Characteristics/Description**

**Solar Radiation**

Shelford 1954.

## **Sonora, Mexico**

Arizona Game and Fish Department 1981; Bright and Hervert 2006; Bright et al. 2003; Burt 1938; Castillo-Sánchez 1992, 1999; Castillo 1994; Castillo et al. 2000; DeVos 1990; Diario Oficial de la Federación 1993; Goldman 1945; González et al. 1986; List and Valdés 2009; López y Paredes 1999; Meléndez et al. 2006; Paredes 1997.

## **Sonoran Desert National Monument**

see **Refuge/Preserve/Protected Areas**

## **Sonoran Pronghorn**

see *Antilocapra americana* –*A. a. sonoriensis*

## **South Dakota, USA**

Allen 1874; Archer 1982; Berner 1953, 1955; Bever 1948*a, b*, 1950, 1951*a, b*; Boddicker 1966; Boddicker and Huggins 1969; Brown 1978*a*; Chambers 1920; Chronert et al. 2006; Greenwood et al. 1967; Griffin 1991; Griffith 1962*a*; Grinnell 1929; Hart 1960; Hipschman 1963; Hoberg and Abrams 2005; Jacques 2006, 2007; Jacques and Jenks 2006, 2007, 2008, 2010; Jacques et al. 2006, 2007, 2009*b*; Jenks et al. 2006; Kohler 1950; Lehman et al. 2009; Leidy 1869; Lippincott 1996; Long 1965*b*; Lovaas and Bromley 1972; Lucker and Dikmans 1945; Mogen 1977; Moore 1968; Moore et al. 1968; Peterson 1972; Pietz 1966; Reed et al. 1976; Rice 1986; Schenck 1980, 1982, 1984; Schuler 2006; Sievers 2004; Sievers et al. 2004, 2007; South Dakota Department Game, Fish, and Parks 1951, 1965, 1983; Terwilliger 1946; United States Department of the Interior 2012*k, aa*; Vanderbush 1974; West 1969, 1970; Wrede 1988, 1990, 1992; Wydeven and Dahlgren 1984, 1985.

## **Speed**

see **Locomotion**

## **Sphenophalos**

see **Prehistoric Pronghorn**

## **Springbok**

see **Antelope/Other**

## **Starvation**

see **Nutrition**

## **Stockoceros**

see **Prehistoric Pronghorn**

## **Strontium 90**

see **Physiology**

## **Supplemental Feeding**

Alberta Fish and Wildlife 1985; Armstrong 1966; Baker et al. 1998; Barrett 1982*a, b*; Forrest 1985; Forrest and Staton 1985; Hailey 1979; Hailey et al. 1966; Pollak 2007; Smith 1974; Swepston and Hailey 1991; Taylor 1968; Torbit et al. 1984.

## **T**

### **Tamaulipas, Mexico**

Alvarez 1963.

### **Tarbush**

see **Shrubs**

### **Taxidermy**

Houskeeper 1993.

### **Taxonomy**

Brown 2006; Cockrum 1981; Hassanin and Douzery 2003; Hernández and Vrba 2005; Janis and Scott 1987; McKnight 1965; O’Gara 1982; Paradiso and Nowak 1971; Pojar 1986*b*.

#### **-Classification**

Ahern 1988; Audubon and Bachman 1951*a, b*; Buck 1947; Caton 1877; Coues 1893; Harlan 1825; Leinder 1979; Matthew 1934; Meyers 1963; Monson 1968; O’Gara and Janis 2004*a*; O’Gara 1978*a, b*; Ord 1815, 1818; Pojar 1986*b*; Prenzlów 1965*a*; Rhodes 1849; Scott and Janis 1987; Simpson 1984; Simpson 1945; Skinner 1922; Stelfox 1993; Webb 1973.

#### **-Systematics**

Ahern 1992; Bailey 1931*a*; Bear 1969*b*; Goldman 1945; Hay 1914; Hesse 1935; Hibbard and Dalquest 1960; Lee et al. 1989; Leinder 1979; Lyon 1908; Matthew 1904, 1934; Merriam 1909, 1911; Miller and Kellogg 1955; Morrison 1961; Nelson 1912; Ord 1815, 1818; Roosevelt and Burden 1934; Scott 1929; Simpson 1945; Vrba and Schaller 2000.

### **Tears**

see **Physical Characteristics/Description**

### **Teeth**

see **Physical Characteristics/Description**

### **Temperature**

see **Habitat -Habitat Characteristics/Description -Climate** (for Habitat)

see **Physical Characteristics/Description -Temperature** (for Pronghorn)

## **Territoriality**

see **Behavior**

## **Tesis profesional<sup>3</sup>**

Alcérreca y Sánchez 1979; Amor 2000; Cancino 1988; Colchero 2001; Grajales 1998; Jaramillo 1989; Palacio 1991; Ramírez 1985.

## **Testicular Cycle**

see **Reproduction**

## **Tetrameryx**

see **Prehistoric Pronghorn**

## **Texas, USA**

Aiken 2005; Bailey 1905; Bigonyl 1982; Bone 1984; Boyle 1971; Brownlee and Hailey 1970; Buechner 1947*a, b*, 1948, 1950*a, c*, 1960*b*; Canon 1993, 1995*b*; Canon and Bryant 1990, 1992*a, b*, 2006; Cearley and Nelle 2006; Clark 1988, 1990; Clark et al. 1972; DeArment 1965, 1966, 1968, 1972; DeArment et al. 1966; DelMonte and Kothmann 1984; Dvorak 1986; Fisher 1942; Fitzgerald 1949; Fulbright 1978; Hailey 1979; Hailey and DeArment 1969, 1972; Hailey et al. 1964, 1966; Harveson 2006; Hesse 1935; Hibbard and Dalquest 1960; Huber 1992; Jones 1949; Keleher 2010; Keleher et al. 2010; Knowlton 1968; Koerth et al. 1984; Kothmann 1980, 1982; Lay 1946; Lee et al. 1989, 1991; Leftwich 1977; Leftwich and Simpson 1978*a, b*; Lehman and Davis 1942; Leopold 1951*b*; Lull 1921; Manning 1972; Mearns 1907; Mitchell 1967; Murray 1932; Nelle 2006; Olding 1983; Payne 1985; Richardson 2000, 2006; Robinson 1970; Roebuck 1982; Roebuck et al. 1982; Runkles 1966; Russ 1984; Sibley 2006; Sides et al. 2006*a, b*; Simpson and Leftwich 1978; Simpson 2005; Simpson et al. 2007; Spofford 1964; Sumner 2006*a, b*; Swepston 1990, 1992; Swepston and Hailey 1991; Swepston and Richardson 1994*a, b*; Tucker 1979; Tucker and Garner 1980*a, b*, 1983, 1984; United States Department of the Interior 2006, 2007*a*, 2012*z*; Uzzell 1973; Winkler 1978.

## **Texoceros**

see **Prehistoric Pronghorn**

## **Theodore Roosevelt National Park**

see **Refuge/Preserve/Protected Areas**

## **Thesis**

### **-Masters Thesis**

Aiken 2005; Autenrieth 1966; Barrington 1978; Bayless 1967; Becker 1972*b*; Bernt

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<sup>3</sup> Refers to Bachelor Degree Thesis; it is predominantly used in Mexico.

1976*b*; Boccadori 2002; Boddicker 1966; Bodie 1979*a*; Boyle 1971; Boyle 1981; Bradybaugh 1981; Bright 1999; Bromley 1967; Brown 2009; Bruns 1969; Buck 1947; Campbell 1970*a*; Carling 2002; Carlton 1976; Chao 1985; Chávez 2001; Clark 2006; Clausen 1999; Cole 1955; Compton 1958; Cook 1984; Corneli 1980; Courtney 1986; Cronquist 1990; Cutler 1996; Dalton 2009; Dennehy 1997; Dinges 1958; Dirschl 1962*a*; Dow 1952*a*; Drake 2009; Drolet 1989; Eccles 1996; Edwards 1958*a*; Engelking 1969; Firchow 1986; Folker 1956*a*; Forrest 1985; Fortsas 1996; Fowler 1969; Fox 1997; Freeman 1971; Fulbright 1978; Ganey 1998; Gates 1983; Gay 1984; Ghaly 1980; Glaholt 1984; Glidewell 1970; Good 1977; Griffin 1991; Guenzel 1986; Gunnels 1999; Halstead 2001; Hansen 1955; Harrington 2005; Hébert 2006; Herrig 1974; Heyl 1961; Hill 1994; Hinman 1960; Hoffman 1985; Hollenbach 1988; Hoover 1971; Huber 1992; Hughes 1991; Jacobs 1973; Jatnieks 1983*a*; Jeffers 1985; Jones 1991; Jorgensen 1992; Keleher 2010; Knaga, 2006; Kohler 1950; Kolar 2009; Kolenosky 1961; Leftwich 1977; Liewer 1988; Lipetz 1980; Manning 1972; Mapston 1968; Martin 1995; Maynard 1991; McCutchen 1966; McDonald 2005; McDonald 1987*b*; McNay 1980; Meeker 1979; Messenger 1978; Milestone 1982; Milks 1982; Miranda 2000; Moore 1968; Morgan 1988; Morrison 1961; Moy 1969; Payne 1985; Perry 1996; Pollak 2007; Poor 2010; Prenzlów 1965*b*; Pyle 1972; Raney 1968; Reat 1998; Regan 2010; Reichel 1976; Roberts 1970; Robinson 1970; Robinson 2001; Roebuck 1982; Roseland 1977; Rothchild 1993; Ryder 1983; Sadak 1987; Schuetze 1993; Seagel 2007; Segerstrom 1982*a*; Seidler 2009; Sejkora 1982; Selting 1994; Sexson 1979; Shandruk 1975; Sheldon 2005; Sheriff 2006; Sievers 2004; Simpson 1992; Simpson 2005; Smith 1993*a*; Smith 1994; Smyser 2005; Spillett 1965; Sprague 2010; Stastny 2004; Steger 1929; Stephenson 1982; Suitor 2011; Swanger 1977; Taylor 1972*a*; Ticer 1998; Treviño 1978*a*; Tucker 1979; Volesky 1982; Von Gunten 1978*a*; Walker 1974; Wentland 1968*a*; Wenzel 1955; Woolley 1995; Wyssman 2000; Yoakum 1957; Youell 2005; Zimmer 2004.

**-Philosophy Doctor, Dissertation**

Avsharian 2008; Barnowe-Meyer 2009; Barrett 1982*b*; Berger 2007; Bromley 1977; Buechner 1950*a*; Bullock 1971; Cancino 2005*a*; Canon 1993; Clemente 1993; Czaplewski 1986; Deblinger 1988; Dunn 2010; Ellis 1970; Fairbanks 1992; Fenner 2007; Goldsmith 1988*a*; Greenquist 1983; Gregg 1955; Hanley 1980; Hoskinson 1977; Ingold 1969; Jacques 2006; Kitchen 1972; Lee 1992*b*; Lou 1998; Lubinski 1997; Maher 1992; Maxell 1973; McCullough 1980; McInnis 1984; Menke 1992; Min 1995; Mitchell 1965; O'Gara 1968; Reeve 1984; Schuler 2006; Schwartz 1977; Severson 1966*a*; Singer 1973; Tarcan 2006; Valadez 1992; Wesley 1971; Whisler 1984; Yeo 1988.

see **Tesis profesional**

**Thiamine**

see **Nutrition**

**Timber**

Alexander and Ockenfels 1994; Mearns 1907; Shaw 2000*b*, 2006.



## **Topography**

see **Habitat Characteristics/Description**

## **Toxic Plants**

see **Vegetation**

## **Trace Elements**

see **Nutrition**

see **Cooper**

see **Selenium**

## **Trails**

see **Recreation**

## **Tranquilization**

Amstrup and Segerstrom 1981; Autenrieth et al. 1981; Beale and Smith 1967; Copeland et al. 1978; Day et al. 1965; Heyl 1961; Hoover 1971; Kreeger 2010; Kreeger et al. 1999, 2001; Mama et al. 2009; O’Gara 1987; O’Gara and Yoakum 1992; O’Gara et al. 2004; Pusateri et al. 1982; Thomas 1961.

## **Transportation**

see **Highways -Roads**

see **Mortality -Accidents -Vehicles**

## **Trapper’s Point, WY**

see **Behavior -Migration and/or Seasonal Movements**

## **Trapping/Translocations/Handling**

Alcérreca y Sánchez 1979, 1981; Alexander 2000; Allred 1943; Amstrup 1978; Amstrup et al. 1980; Barker 1948; Barrett 1973, 1978a; Barrett et al. 1982; Bates 1974; Bear 1965; Bihrlé 1992; Blunt and Myles 1998; Bodie 1978; Boyer and Brown 1988; Bright 2005a, b, c, d, 2006a, b, c, d, 2007a, b, c, d, 2008a, b, c, 2009a, b, c, d, 2010, 2011a, b, c; Britt 1980; Brownlee and Hailey 1970; Brunner 1910; Byers 1997b; Cancino 2006, 2007; Cancino et al. 2001, 2002, 2005; Cancino and Guenzel 2002; Cassaigne et al. 2010; Castillo-Sánchez 1992; Chalmers and Barrett 1974a, 1977; Chattin and Lassen 1950; Copeland et al. 1978; Couey 1949; Czech 1992; Dasmann 1952; DelMonte and Kothmann 1984; Deming 1954; Dotson 1992; Elliott 1966; Elliott 1948; Fatooh et al. 1994; Firchow et al. 1986a; Fisher 1942; Fitzgerald 1949; Fitzner and Floyd 1924; Gray 1990; Goldsmith 1984, 1988a, b, 1992; Grater 1935; Guardarrama 2001; Helms 1978b; Hess 1988; Hiatt 1983; Hlavachick 1966b, 1970; Hoover et al. 1959; Howard et al. 2000; Jacques et al. 2009a; Jessup et al. 1989; Jones 1949; Keister et al. 1988; Kilgore and Fairbanks 1997; Knipe 1944; Kock and Kock 1985; Kreeger 2010; Kreeger

et al. 1999, 2001; Larsen 1966, 1967a; Litton 1975; Manterola 2001; Martínez et al. 2000; Mathisen 1962; McCarthy 1981; McCarthy and Yoakum 1984; McDowell and Gates 1972; McKenzie 1984b; McLucas 1956; Menzel and Suetsugu 1966; Miranda 2000; Miranda and Martínez 2001; Moody et al. 1982, 1987; Moreland 1972; Nichol 1942; Nichols 1960; Niehuis 1943; Nielson 1962; O’Gara et al. 1988, 2004; O’Gara and Yoakum 1990, 1992; Olding 1983; Pojar 2000; Polk 1987; Popowski 1959; Prenzlow 1964; Pusateri et al. 1982; Pyshora 1987, 1988b; Queal and Hlavachick 1968; Ramírez 1985; Raymond 1982; Reeve 1982, 1984; Renwald 1988; Rhodes et al. 2001; Riddering 2005; Russell 1937, 1951; Sánchez y Alcérreca 1982; Scott 1994, 2004; Seal and Hoskinson 1978; Sexson 1979; Sexson et al. 1980; Simpson 1992; Snyder 1965; South Dakota Department Game, Fish, and Parks 1951; Spillett and Zobel 1967; Stephen et al. 2004, 2005b; Stokes 1952; Thompson 1947; United States Department of the Interior 2012aa; Valdés y Manterola 2006b; Von Gunten 1978; Wakeling 2004; Whitaker 1966; White 1987; Wilcox 1963; Wiltse 1978; Yoakum 1968, 1980.

## **Tuberculosis**

see **Diseases**

## **U**

### **United States of America**

see **Arizona, USA**

see **California, USA**

see **Colorado, USA**

see **Florida, USA**

see **Idaho, USA**

see **Illinois, USA**

see **Iowa, USA**

see **Hawaii, USA**

see **Kansas, USA**

see **Montana, USA**

see **Missouri, USA**

see **Nebraska, USA**

see **Nevada, USA**

see **New Mexico, USA**

see **North Dakota, USA**

see **Oklahoma, USA**

see **Oregon, USA**

see **South Dakota, USA**

see **Texas, USA**

see **Utah, USA**

see **Washington, USA**

see **Wisconsin, USA**

see **Wyoming, USA**

## Urban Development

Senn 1996; Smith and Guenzel 2002.

## Utah, USA

Aoude and Danvir 2002; Austin and Urness 1995; Bates 1974; Bates 2000; Beale 1963, 1966, 1968, 1970, 1972, 1974a, 1978a, b, 1980, 1982, 1984, 1986a, 1988; Beale and Holmgren 1974, 1975; Beale and Smith 1966, 1970, 1972b, 1973, 1980; Beale and Scotter 1968; Boyle et al. 1999; Clary et al. 1985; Coffey 1954; Danvir 2000; Fairbanks and Tullous 2002; Flinders et al. 2002; Harrington 2005, Harrington and Conover 2006; Heyl 1961; Hinman 1959, 1960, 1961; Kilgore and Fairbanks 1997; Plummer et al. 1968; Riddering 2005; Rosko 1948; Smith 1974; Smith and Beale 1980; Smith et al. 1965; Smith and Malechek 1974; Smith 1990; Taylor and Knight 2003; Tullous and Fairbanks 2002; Turner and Hall 2009; Udy 1953; United States Department of the Interior 2012b, c, l; United States Forest Service 1989; Welch 2000; Wyssman 2000.

## V

### Values

#### -Aesthetics

California Department Fish and Game 1966; Halloran 1956; Turbak et al. 1995.

see **Game Ranching**

see **Hunting**

### Vegetation

Autenrieth 1976, 1982b; Bakker et al. 2006; Barrett 1974; Beale and Holmgren 1975; Cole 1955, 1956, 1957; Cole and Wilkins 1958; Dunbar 2001; Elliott 1948; Fichter 1974, 1976; Guillion 1964; Guzman 1961; Hall et al. 2000; Hansen 1957; Hervert et al. 1999; Hoover 1966; Hoover et al. 1959; Hughes and Smith 1990; Jatnieks 1983b; Jones 1954; Kerr 1968; Kindschy 1986; Kindschy et al. 1978, 1982; Leopold 1948; Loeser et al. 2005; Lovaas and Bromley 1972; Mitchell and Smoliak 1971; Ockenfels et al. 1994; O’Gara and Yoakum 1992; Ogilvie 1955; Pyle 1972; Pyle and Yoakum 1994; Pyrah 1974a; Ripple and Beschta 2008; Salwasser 1980; Salwasser and Shimamoto 1984; Schuetze and Miller 1992; Schwartz 1977; Schwartz and Nagy 1976; Schwartz et al. 1977; Seal and Hoskinson 1978; Severson 1966a, b; Severson and May 1967; Severson et al. 1968; Shaw 2006; Sneva and Vavra 1978; Stastny et al. 2004; Suetsugu 1970; Sundstrom 1969; Sundstrom et al. 1973; Taylor 1971, 1974, 1975; Tsukamoto and Deibert 1968; U.S. Fish and Wildlife 1994; Wallace 1940; Wallace and Marsh 2005; Wiltse 1978b; Yoakum 1957, 1972, 1974, 1978a, b, c, 1979; 1980, 1982, 1983, 1986b, 1988, 1990, 2002a, 2004a, b, 2006b; Yoakum et al. 1980.

#### -Cover

Alexander and Ockenfels 1994; Autenrieth 1976; Cunningham et al. 2008; Loeser et al. 2005; Stastny and Fairbanks 2004.

**-Defoliation**

Deming 1963; Hall 1963, 1965; Hepworth 1965; Langdon 1964; Roberts 1970; Stanton 1962; Wentland 1968a, b; Yoakum 1995; Yoakum and O’Gara 1990; Yoakum et al. 1996.

**-Forage Production**

Dirschl 1960; Hailey et al. 1964; Smith 1993a; Smith et al. 1996; Stastny and Fairbanks 2004; Taylor 1974; Yoakum 1982, 1983; Yoakum et al. 2008.

**-Restoration**

Clark 2006; Hooley 1992; Zimmerman 1983.

**-Succession**

Deming 1963; Kindschy 1986; Leopold 1948; Mitchell 1980; Mitchell and Smoliak 1971; Nelson et al. 1997; Pyle and Yoakum 1994; United States Fish and Wildlife Service 1994.

**-Toxic**

DeArment et al. 1966; Fowler 1983; Hailey 1965; Hailey et al. 1966; Lance and Pojar 1984; Thorne et al. 1982.

**Vehicle Accidents**

see **Mortality**

**Venison**

Cook et al. 1949; Fortsas 1996; Geist and Francis 2001; Green 1992; Greenwood et al. 1967; Mace 1949; McCormick et al. 1990, 2006; Newberry 1855; Popowski 1959; Sundstrom 2000; Youell 2005.

**Vermilion Cliffs National Monument**

see **Refuge/Preserve/Protected Areas**

**Vibriofetus**

see **Diseases**

**Vision**

see **Physical Characteristics/Description**

**Vitamin A**

see **Nutrition**

**Vocalization**

see **Physical Characteristics/Description**

**W**

**Washington, USA**

Fitzner and Gray 1990; Lyman 2007; Moreland 1972; Morgan and Morgan 1995; Myers 1984; Parson 1978, 1980; United States Department of the Interior 2012s.

## **Water**

Beale and Holmgren 1974; Bright and Van Ripper III 2001; Cain III et al. 2005; Cieminski and Flake 1997; Hervert et al. 1998; Reeve 1982.

### **-Developments/Improvements**

Autenrieth 1978; Beale 1963; Benson 1956; Brigham and Stevenson 1997; Broyles 1997; Cutler 1996, Cutler et al. 1996; Davila 1960; DeArment 1965; Deblinger 1988; Deblinger and Alldredge 1984, 1989, 1991; Gullion 1958; Hailey 1979; Hooley 1992; June 1965; Kindschy 1996; Knipe 1944; Krausman et al. 2006; Larsen et al. 2011; Mace 1949; McCarty 1986; Morgart et al. 2005; Robinson and Rice 1990; Salwasser 1980; Sloane and Wolfe 1980; Taylor 1968; Tsukamoto and Wickersham 1970; Wilson and Hannan 1977; Yeaman 1965; Yoakum 1975, 1978c, 1979, 1980, 1982, 2004b, f, Yoakum et al. 1980.

### **-Distribution**

Autenrieth 1978b; Boyle and Alldredge 1984; Bright 1999; Bright and Van Ripper III 2000a; Clemente 1993; Deblinger 1988; Deblinger and Alldredge 1984, 1991; Dirschl 1960; Dodge 1877; Guenzel et al. 1982; Hailey 1979; Hansen 1957; Herrig 1974; Jones 1954; Leopold 1948; Marr and Velasco 2005; Morgart et al. 2005; Ockenfels and Wennerlung 1994; Ockenfels et al. 1992, 1994; Oregon State Game Commission 1961; Salwasser 1980; Yoakum 2004b.

### **-Flux**

Beale and Scotter 1968; Beale and Smith 1970; Cain III et al. 2006; Meeker 1979; Salwasser 1980; Tluczek et al. 2010; Wesley 1971; Wesley et al. 1969, 1970; Whisler 1984.

### **-Quality**

Barrington 1978; Cieminski and Flake 1997; Sundstrom 1968b; Yoakum 2004b.

### **-Requirements**

Autenrieth 1978b; Beale 1974a; Beale and Holmgren 1974, 1975; Beale and Scotter 1968; Beale and Smith 1970; Bristow et al. 2006a; Cain III et al. 2005, 2006; Clemente et al. 1995; Dunbar 2001; Hailey 1979; Hervert et al. 1998; Hughes and Smith 1990; Jaeger 1961; Leopold 1933; Meeker 1979; Monson 1968; O'Gara 1978a; Pate 1973; Rouse 1959; Salwasser 1980; Suetsugu 1970; Sundstrom 1968a, b, 1969; Thompson-Olais 1992, 1994; Wesley 1971; Wesley et al. 1969, 1970; Whisler 1984; Whisler and Lindstedt 1982, 1983; Yoakum 1994, 2004b.

see **Habitat -Habitat Characteristics/Description -Water**

## **Weak Fawn Syndrome**

see **Diseases**

## **Weather**

see **Climate**

see **Habitat -Habitat Characteristics/Description**

**Weight (body)**

see **Physical Characteristics/Description**

**White Sands National Monument**

see **Refuge/Preserve/Protected Areas**

**Wichita Mountains National Wildlife Refuge**

see **Refuge/Preserve/Protected Areas**

**Wildcats**

see **Bobcats**

**Wildlife Ranching**

see **Game Ranching**

**Wind**

see **Climate**

**Wind Cave National Park**

see **Refuge/Preserve/Protected Areas**

**Winter**

see **Climate**

**Winter Wheat**

see **Farming**

**Wisconsin, USA**

Theler and Pfaffenroth 2010.

**Wolf**

Barnowe-Meyer et al. 2009, 2010; Berger 2007; Berger and Conner 2008; Berger et al. 2008; Greenquist 1983; Smith et al. 2009; Turbak 1995; White and Garrot 2005; Young and Goldman 1944.

see **Predation -Predator Control**

**Wupatki National Monument**

see **Refuge/Preserve/Protected Areas**

**Wyoming, USA**

Allred et al. 1991; Allred 1943; Amstrup 1978; Arrandale 2008; Bailey 1920; Baker 1953a; Barmore 1969; Barnowe-Meyer et al. 2009, 2011; Bastian et al. 1991; Berger

2003; Berger 2006; Bergstrom 1975a, b, Bergstrom et al. 1985; Blair 1982, 1987; Blunt 1948, 1950; Blunt and Myles 1998; Boccadori 2002; Boccadori and Garrott 2002; Boccadori et al. 2008; Boyce and Tate 1982; Boyle 1981; Boyle and Alldredge 1984; Bridge 1942; Brockley 1949a, b; Brown 1954b, 1955, 2009; Budd 2010; Caslick and Caslick 1996; Chase 1987; Cherney and Clark 2009; Chorn et al. 1988; Clark 1999, 2001; Clark and Medcraft 1986; Cook 1984; Cook et al. 1984; Cook and Irwin 1984, 1985; Crawford and Pate 1968; Creekmore and Beyer 2010; Crump 1961, 1966; Dahl and Cross 1986; Deblinger 1988; Deblinger and Alldredge 1984, 1991, 1996; Deblinger and Ellis 1976; Deblinger et al. 1984; Easterly and Guenzel 1992; Easterly et al. 1992; Eastman 2008; Edwards 1958a, b; Fenner and Frost 2009; Forrest 1985; Forrest and Staton 1985; Fruckey and Cragoe 1979; Gasson 1980, 1982, 1986; Gilbert 1972, 1973; Greenquist 1983; Greer 1968; Gregg 1955; Greiner 1965; Greiner et al. 1974; Grimm 1939; Grogan and Lindzey 2010; Guenzel 1986, 1988a, 1994, 1997, 2000, 2007, 2010; Guenzel et al. 1982; Haley 1986; Hall et al. 1965; Halloran and Glass 1959; Hansen 1957; Harper 1985; Harris et al. 2009; Hébert 2006; Helms 1978a; Hepworth 1965, 1966, 1969, 1973; Hepworth and Blunt 1966; Heyl 1961; Hiatt 1982, 1983; Hill 1994; Hnilicka et al. 2010; Hockley 1966, 1968; Honess and Winter 1956; Howe 1965, 1966; Huizinga 1942; Hunt 1948; Ingold 1969; Irwin 1981; Irwin et al. 1984; Johnson 1982; Johnson et al. 1991; Jones 2011; Keating 2005; Kingston et al. 1981, 1982, 1990; Kirkwood 2011; Lay 1946; Levy and Kearney 1999; Long 1965a; Long 1973; Lubinski 1997, 2000a, b, c; Maffly 2004; Manning 1972; Mapston 1968, 1970, 1972, 1974; Mapston and Zobell 1972; Mapston et al. 1970; Maxell 1973; McAtee 1939; Medcraft and Clark 1986; Milek 1966; Mobley 1960; Moody 1981, 1982; Moody and Alldredge 1986; Moody et al. 1982; Morton and Kingston 1976; Murie 1935; Newman 1966a, b; Nimmo 1971; Oakley 1973; Oakley and Riddle 1974; O’Gara and Greer 1970; Olsen 2010; Olsen and Hansen 1977; Ongstad et al. 2010; Ottman 1992; Pate 1968a, b, 1973; Quammen 2010; Raper 1990; Reeve 1984; Riddle 1990; Riddle and Oakley 1973a, b; Risch and Frank 2006; Rosendale et al. 1980; Rush 1932; Ryder 1983; Ryder and Irwin 1987; Ryder et al. 1984; Sawyer and Lindzey 2000; Sawyer et al. 2002, 2005; Sax 1984; Schneidmiller 1987; Scott 1988, 1989, 1990, 1991a, b, c, 1992, 1994, 2004; Scott and Geisser 1996; Segerstrom 1982a, b; Severson 1966a, b; Severson and May 1967; Severson et al. 1968; Sheldon 2005, 2006; Sheldon et al. 2006; Singer and Renkin 1995; Skinner 1921, 1922, 1924; Smith and Baldes 1981; Smith and McNees 2000; Smith 1992; Smith and Guenzel 2002; Smith et al. 2009; Smyser et al. 2006c; Spillett 1965; Spillett and Zobell 1967; Straley 1966, 1968; Sundstrom 1968a, b. 1969; Sundstrom et al. 1973; Taylor 1971, 1972a, b, c, 1974, 1975, 1976; Thorne 1975; Thorne et al. 1982, 1988; Townsend 1972; United States Bureau Land Management 1965, 1989; United States Department of the Interior 2012h, n, y; United States Department of the Interior – National Park Service 1964; United States National Park Service 1964; Van Wormer 1969; Vana 2010; Walker and Frison 1980; Wambolt and Sherwood 1999; Wambolt et al. 2000; Wenzel 1955; White et al. 2007a, b; White and Garrot 2005; Woolley 1995; Woolley and Lindzey 1994, 1997; Wyoming Game and Fish Commission 1966, 1971; Wyoming Game and Fish Department 1982, 1983; Yates 1985, 1986; Yellowstone National Park 1997; Yeo 1988; Zimmer 2004; Zimmer and Lindzey 2002; Zobell 1963, 1968a, b; Zornes et al. 2010.

X

No keywords

Y

**Yellowstone National Park**

see **Refuge/Preserve/Protected Areas**

**Yosemite National Park**

see **Refuge/Preserve/Protected Areas**

Z

**Zacatecas, Mexico**

Cancino 2006, 2007.

**Zinc**

see **Nutrition**

**Zoo**

Heller 1930; Lyon 1908; Miller-Edge et al. 1994.

see **Domestication -Captivity**

see **Fawns and Fawning -Raising**

see **Exhibits**



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PWD RP W7000-1811 (6/15)

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