

Draft Mule Deer Plan TABLE OF CONTENTS

June 15, 2022

INTRODUCTION / BACKGROUND

- History of Oregon mule deer plans
- Goals and Objectives

OREGON MULE DEER HISTORY

- Update of populations, management changes, and harvest through time
- Landscape changes
- Mule Deer Initiative summary

MULE DEER BIOLOGY AND ECOLOGY

- Basic mule deer biology: nutrition, migrations, and seasonal info
- Factors affecting populations: habitat and nutrition, weather, harvest, predation, competition, poaching, vehicle collisions, disease
- Interaction among factors: compensatory vs. additive mortality, resource limitation
- Climate change effects and interactions
- Geographic regions for mule deer in Oregon: Blue Mtns, Great Basin, North and South Cascades
- Mule deer herd ranges: delineation process, distribution [graphically], summary info, management implications

MULE DEER MANAGEMENT CONCEPTS AND ISSUES

- Monitoring
 - Abundance: timing of surveys (winter survey -v- summer harvest), composition, survival (adult, juvenile), sampling-based methods, survey rotation
 - Mandatory harvest reporting
 - Population Modeling: Integrated Population Models for decision making
 - Management Objectives: Structure, relative need
 - Update based on revised methods, herd ranges, and data
- Harvest management
 - Allocation within herd ranges:
 - WMU summer/fall population relationship
 - Male harvest
 - Female harvest: when is it appropriate, what level is appropriate
 - Weapons and technology: effects on available opportunity
 - Special opportunities: auction, raffle, late seasons, youth, et al.

- Habitat Management - Ecoregion specific where appropriate
 - Migration corridors: identification, protection, barriers, highway crossings
 - Habitat fragmentation
 - Incorporating climate change affects
 - Drought specific discussion
 - Large scale fire impacts
 - Mule deer nutrition
- Predator Management
- Other management issues
 - Disease management
 - Management under CWD
 - Vehicle mortalities
 - Poaching
 - Energy exploration & development
 - Housing and urban development, destination resorts
 - Urban deer management and conflict
 - Agricultural conflicts with mule deer
 - Disturbance
 - Travel management
 - Recreation management

ECONOMICS AND SOCIAL VALUES

- Recent trends: tag prices and sales, controlled application rates, agency income
- Value and impact on Oregon economy