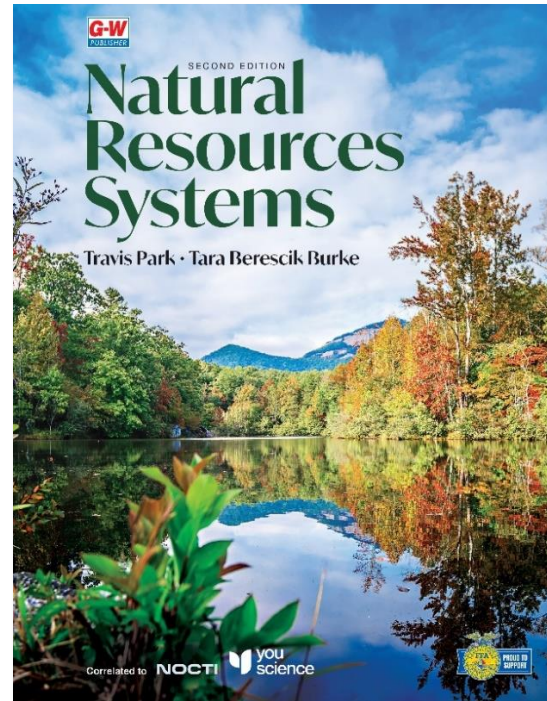


**Correlation**  
**of**  
**Natural Resources Systems**  
**Travis Park, Tara Berescik Burke**  
**(Goodheart-Willcox Publisher ©2025)**  
**to**  
**CASE**  
**Natural Resources and Ecology**  
**End-of-Course Assessment**  
**(ESI EoC)**



Standards	Textbook Pages
<b>Specific Standards and Competencies Included in this Assessment</b>	
<b>AFNR 4. Demonstrate stewardship of natural resources in AFNR activities.</b>	
NRE 1.1 The perception of natural resources conservation influences management decisions.	Conservation and Preservation p13 Perceptions of the Environment over Time p112 Wetland Conservation and Management p374
NRE 1.2 A biome is primarily determined by climate, altitude, and latitude.	Biomes and Ecoregions p88
NRE 7.1 Ag stewardship balances productivity and profitability while conserving natural resources.	Environmental Stewardship p13
NRE 9.1 National conservation practices have shifted over time due to changes in environmental perceptions.	Perceptions of the Environment over Time p112 Habitat Destruction Caused by Humans p140 Ecological Footprint p169 Wetland Conservation and Management p374 Conservation Movement p710

Correlation of *Natural Resources Systems* to NOCTI Natural Resources Management WV—page 2

Standards	Textbook Pages
<b>Specific Standards and Competencies Included in this Assessment</b>	
NRE 9.2 Ecosystems change based upon management decisions over time.	Wetland Conservation and Management p374 Fisheries Management p510 Sustainable Forest Management p601 Management of Grasslands and Rangelands p656 Marine Ecosystems: Why Are We Losing Coral Reefs? P366
<b>AG-NR 1: Plan NR management activities that apply scientific solutions to natural resource issues.</b>	
NRE 2.1 Development and management of soil as a natural resource is related to soil properties.	Soil Functions p200 Physical Properties of Soil p211 Soil Classification p219
NRE 2.2 Erosion influences land use and may cause environmental changes in ecosystems.	Plants and Erosion Control p241 Shoreline, Channel, and Streambank Soil Erosion p242 Factors That Contribute to Soil Erosion p244 Controlling Soil Erosion p256 Soil Erosion. p296 Erosion Control p360
NRE 3.2 Environmental conditions and human activities influence water quality.	Water Use p336 Water Pollution p342
NRE 4.2 The measurement of the gases and particulates present at various levels determines air quality.	Types of Air Pollution p406 Measuring Air Quality p419
NRE 8.2 Human recreational activities impact the natural environment and native species.	Sustainability and Outdoor Recreation p686 National Protected Areas p694
<b>AG-NR 2. Analyze interrelationships between natural resources and humans to manage NR systems.</b>	
NRE 3.1 Water is converted into a series of forms as it moves through the environment over time.	The Water Cycle p84 Water Chemistry p332 Water Use p336
NRE 4.1 An essential function of the atmosphere is the natural warming of the surface of the Earth.	Earth’s Atmosphere p384 Atmospheric Changes p389
NRE 5.1 Energy and nutrients flow through trophic levels within an ecosystem.	Producers and Consumers p445 Keystone Species’ Characteristics 448
NRE 6.1 Biodiversity refers to the variety of living components in an ecosystem.	Flora and Fauna p12 Biodiversity p435 Biodiversity and Ecological Health p474

Standards	Textbook Pages
<b>Specific Standards and Competencies Included in this Assessment</b>	
NRE 6.2 Organisms use natural processes to adapt to their environments and increase their chances of survival.	Urbanization p90 Major Ecoregions in the United States p91 Interactions p436 Adaptations for Survival p442
<b>AG-NR 3. Develop plans to ensure sustainable production and processing of natural resources.</b>	
NRE 7.2 Forest management includes a variety of techniques.	Sustainable Forest Management p601
NRE 7.3 Mining has positive and negative impacts on the environment and human populations.	Types of Mining p282 The Impacts of Mining on the Environment p296
NRE 8.1 Human populations and their food, fiber, and fuel needs impact the natural environment.	Harvesting and Sustained Yields p113 Locally Grown Foods p130 Staples of Life p178 Energy Sources Mined in the United States p291 Types of Fishing p499 Hunting p676