2018-2019 Pilot Technical Skills Assessment
Ecology & Natural Resource Management

Statewide Question Level Results

Pilot Assessment: Idaho Ecology & Natural Resource Management	Avg.
Number tested: 17	Score
CONTENT STANDARD 1.0: EXPLORE NATURAL RESOURCE SCIENCE AND MANAGEMENT	76.47%
Performance Standard 1.1: Investigate The Relationship Between Natural Resources And Society, Including Conflict Management	76.47%
Standard 1: 1.1.1 Define natural resource management	86.27%
Standard 5: 1.1.5 Explain natural resource conservation. Investigate the effects of multiple uses of natural resources (e.g., recreation, mining, agriculture, forestry, public lands grazing, etc.)	80.39%
Standard 7: 1.1.7 Explore societal issues and conflicts related to natural resource management	62.75%
Performance Standard 1.2: Explain Interrelationships Between Natural Resources And Humans In Managing Natural Environments	76.47%
Standard 1: 1.2.1 Identify the demands of population growth on natural resources and the environment	55.88%
Standard 2: 1.2.2 Examine the use and management of renewable and nonrenewable resources	94.12%
Standard 3: 1.2.3 Describe the role of individuals in stewardship of the environment	79.41%
CONTENT STANDARD 2.0: INVESTIGATE ECOLOGICAL CONCEPTS AND SCIENTIFIC PRINCIPLES RELATED TO NATURAL RESOURCE SYSTEMS	70.59%
Performance Standard 2.1: Explore Ecological Principles In Natural Resource Management	67.65%
Standard 2: 2.1.2 Identify natural processes that govern ecosystems over time	64.71%
Standard 3: 2.1.3 Describe the interdependence of organisms within an ecosystem (i.e., food chains and webs)	70.59%
Performance Standard 2.2: Explore Properties Of Soil	54.90%
Standard 2: 2.2.2 Identify soil texture	54.90%
Performance Standard 2.3: Explore Principles Of Hydrology	81.37%
Standard 1: 2.3.1 Define watersheds and explain their hydrological and ecological function	90.20%
Standard 4: 2.3.4 Describe the function of wetlands and importance of wetland management	72.55%
CONTENT STANDARD 3.0: EXPLORE PRINCIPLES OF RANGELAND MANAGEMENT	60.08%
Performance Standard 3.1: Identify Rangeland Types And Management Practices	60.50%
Standard 1: 3.1.1. Define rangelands and identify key characteristics	35.29%
Standard 5: 3.1.5 Identify laws, policies and managing entities of rangelands	76.47%
Standard 6: 3.1.6 Identify impacts of use on rangelands	61.76%
Performance Standard 3.3: Identify Common Idaho Rangelands Plants	69.12%
Standard 1: 3.3.1 Identify morphological characteristics of rangeland plants	44.12%
Standard 5: 3.3.5 Define native, introduced, invasive, noxious and poisonous plants	94.12%
Performance Standard 3.4: Apply Rangeland Management Practices	47.06%
Standard 1: 3.4.1 Identify key components of a management plan	61.76%
Standard 5: 3.4.5 Determine stocking rates based on animal demand and forage supply	17.65%
CONTENT STANDARD 4.0: EXAMINE FOREST RESOURCES AND MANAGEMENT	62.96%
Performance Standard 4.1: Identify Forest Types And Management Practices	61.76%
Standard 1: 4.1.1 Define forests and identify key characteristics of forest plants	68.63%

Standard 3: 4.1.3 Assess different methods of forest management	72.55%
Standard 5: 4.1.5 Identify multiple uses of forests	52.94%
Standard 6: 4.1.6 Identify laws, policies and managing entities of for	47.06%
Performance Standard 4.2: Understanding The Historic, Environmental, Social And Economic Importance Of Idaho Forests	70.59%
Standard 2: 4.2.2 Identify the ecological services provided by forests	70.59%
Performance Standard 4.3: Identify Common Idaho Forest Plants	57.98%
Standard 1: 4.3.1 Identify morphological characteristics of forest plants	41.18%
Standard 2: 4.3.2 Use a dichotomous key to identify trees, shrubs and other forest plants	47.06%
Standard 5: 4.3.5 Define native, introduced, invasive, noxious and poisonous plants	74.51%
Performance Standard 4.4: Apply Forest Management Practices	66.91%
Standard 1: 4.4.1 Identify key components of a management plan	56.86%
Standard 2: 4.4.2 Identify forest management tools and techniques	76.47%
Standard 6: 4.4.6 Discuss impacts of dynamic forces of change (e.g. fire, weather, insects, disease, people, animals, invasive species, etc.) on forests and identify management strategies	67.65%
CONTENT STANDARD 5.0: EXPLORE FIRE ECOLOGY AND MANAGEMENT	64.71%
Performance Standard 5.1: Explore The Effects Of Fire On Rangeland And Forest Ecosystems	64.71%
Standard 4: 5.1.4 Describe the social, economic and ecological effects of wildland fire	41.18%
Standard 5: 5.1.5 Examine the role of fuel management and the relationship between fuel load and fire effects in rangeland and forest ecosystems	80.39%
CONTENT STANDARD 6.0: UNDERSTAND THE IMPORTANCE AND APPLICATION OF	64.71%
Performance Standard 6.1: Investigate GPS/GIS Systems And Their Applications	70.59%
Standard 2: 6.1.2 Describe the purpose and function of a Global Positioning System (GPS)	70.59%
Performance Standard 6.2: Demonstrate The Use Of Land Management Maps	62.50%
Standard 1: 6.2.1 Use legal descriptions to identify locations and acreage	52.94%
Standard 2: 6.2.2 Identify symbols on topographical maps	78.43%
Standard 3: 6.2.3 Predict terrain based on topographical maps	52.94%
CONTENT STANDARD 7.0: INVESTIGATE FISH AND WILDLIFE ECOLOGY	71.76%
Performance Standard 7.1: Explore The Importance And Distribution of Fish And Wildlife Resources In Idaho	86.27%
Standard 4: 7.1.4 List impacts on wildlife habitat	86.27%
Performance Standard 7.2: Understand Wildlife Management	50.00%
Standard 1: 7.2.1 Identify the agencies and organizations associated with wildlife management	50.00%
CONTENT STANDARD 8.0: EXAMINE MINERAL AND ENERGY RESOURCES MANAGEMENT	78.43%
Performance Standard 8.1: Examine Mineral Resources And Management	68.63%
Standard 4: 8.1.4 Describe the impact of mining practices on the environment	68.63%
Performance Standard 8.2: Recognize The Types And Importance Of Energy Resources	88.24%
Standard 4: 8.2.4 Analyze positive and negative impact of energy development on the environment	88.24%
CONTENT STANDARD 9.0: EXPLORE CAREER OPPORTUNITIES IN THE NATURAL RESOURCE INDUSTRY	73.53%
Performance Standard 9.1: Understand Employment Fields In The Natural Resource Industry	73.53%
Standard 2: 9.1.2 Explore education and training for different natural resource management careers	73.53%