

Natural Resource Management Profile

September 2016

ID	Competency Statement	Type
CATEGORY A: Environmental and Social Impact Assessment		
SUB-CATEGORY 1: Conducting Environmental and Social Impact Assessments		
1	Ensures that the impact assessment scope, criteria and conditions (geographic, environmental, economic, social, and cultural) are defined adequately.	2
5	Consults with stakeholders to gather information regarding the perceived impacts of development activities on communities, the environment and natural resources.	2
CATEGORY B: Site Assessment (RRR)		
SUB-CATEGORY 2: Conducting Environmental Site Assessments (ESA - Phase 1 and Phase 2)		
12	Carries out visual inspection of site and neighbouring properties as part of the site assessment.	3
SUB-CATEGORY 3: Developing/Implementing Site Remediation (Phase 3) Plans		
20	Recommends remediation clean-up targets to make the site fit for its intended use or return it to its original condition (applies to all sites including watershed restoration, forestry site reclamation, mine closures, etc.).	3
SUB-CATEGORY 4: Developing/Implementing Site Restoration/Reclamation (Phase 3) Plans		
32	Monitors post-restoration/reclamation conditions and results to assess if targets and regulatory requirements have been met.	3
CATEGORY F: Waste Management		
SUB-CATEGORY 8: Developing/Implementing Waste Management Plans and Programs		
67	Ensures regulatory requirements are met in the collection, transport, storage and disposal of hazardous wastes.	3
CATEGORY H: Environmental Sampling & Analytical Work		
SUB-CATEGORY 12: Collecting Samples and Data for Environmental Purposes		
102	Maintains appropriate records and ongoing documentation pertaining to field and laboratory analytical work, including regulatory documentation.	1
SUB-CATEGORY 13: Analyzing and Interpreting Environmental Samples and Data		
113	Conducts quality control reviews of data collection, processing, and analysis to ensure data is 'fit for purpose' using accepted scientific practices and proper Quality Assurance/Quality Control (QA/QC) protocols.	3

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CATEGORY I: Policy Development & Planning		
SUB-CATEGORY 15: Liaising and Partnering with Stakeholders		
122	Liaises with stakeholders to collaborate on environmental stewardship and resolve sustainability issues and concerns.	2
123	Identifies ethical and cultural concerns regarding the economic, social, cultural, and spiritual valuing of specific natural resources, and the implications for informed decision-making regarding sustainability.	2
124	Builds consensus regarding the goals and timelines of sustainable development initiatives (e.g. use of natural resources), considering the competing interests of all stakeholders (e.g. economics, increased productivity or harvesting, protecting habitats, access and rights to land, etc.).	2
125	Develops partnerships with key stakeholders to enhance environmental stewardship and address sustainability issues and concerns.	2
126	Develops partnership and stewardship agreements which incorporate sustainable development guidelines, indicators, targets, and processes for measuring progress related to specific environmental issues.	2
CATEGORY K: Corporate Environmental and/or Sustainability Program Planning & Implementation		
SUB-CATEGORY 18: Developing Corporate Environmental and/or Sustainability Plans, Policies, and Procedures		
138	Advocates with senior management and/or other key stakeholders to ensure due consideration of and commitment to environmental/sustainability management and sustainability principles and strategies.	2
139	Develops strategic partnerships/relationships with key stakeholders to garner advice/gain commitment to organization's environmental and/or sustainability policies/initiatives	2
CATEGORY M: Natural Resources Planning & Management		
SUB-CATEGORY 24: Conducting Studies Related to Ecosystem and Habitat Preservation and/or the Management of Natural Resources		
195	Identifies the impact of development/exploration/exploitation activities on the biodiversity of surrounding natural habitats (such as the "downstream" impacts of agricultural activities on surrounding soil and water).	2
SUB-CATEGORY 25: Developing and Implementing Plans, Programs and Practices for Ecosystem and Habitat Preservation and/or the Management of Natural Resources		
207	Seeks input from technical specialists (e.g., biologists, taxonomists, modellers) and other stakeholders (governments, non-governmental organizations, aboriginal peoples, etc.) with respect to resource management and habitat protection (such as the identification of important habitat sites).	1

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211	Formulates integrated ecosystem and habitat management plans (including interim management plans for public consultations) and programs to address identified preservation and conservation needs.	3
212	Implements ecosystem and habitat preservation projects and practices (such as preservation of fish and wildlife habitats and restoration in lakes, rivers, streams, wetlands, marshlands, etc.) to protect and conserve the biodiversity and health of ecosystems.	3
215	Identifies effective resource management practices, including consideration of cultural and spiritual values of various jurisdictions and stakeholders (including indigenous peoples).	2
217	Determines the resources and partnerships required to implement a natural resource management/conservation plan (e.g. funding mechanisms, services).	3
218	Formulates integrated natural resource management plans (including interim management plans for public consultations) and programs to address identified preservation and conservation needs.	1
226	Develops long term integrated land-use plans (for urban, recreational, industrial, and agricultural uses) that include strategies (such as landscape ecology) to minimize adverse environmental impact.	3
SUB-CATEGORY 26: Monitoring/Evaluating Effectiveness of Programs and Practices Related to Ecosystem and Habitat Preservation and/or Management of Natural Resources		
229	Assesses the effectiveness of conservation and preservation practices, including the interpretation of monitoring data and the validation of conclusions with experts in the field (e.g. government agencies, harvesters, industry, and non-governmental organizations).	2
230	Evaluates the effectiveness of alternative conservation practices (such as silviculture systems) that are perpetual or require minimal maintenance.	3
CATEGORY N: Environmental Education & Training		
SUB-CATEGORY 27: Developing Environmental Curricula and Programs		
233	Demonstrates a knowledge of environmental science and technology that enables the educational professional to understand the fundamental relationships between human activities and the natural environment.	1
234	Demonstrates an understanding of how the educational professional's specific body of knowledge can be applied to address the economic, social, cultural and political impacts of human activities on the natural environment.	1

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SUB-CATEGORY 29: Evaluating/Mentoring/Supervising Students/Practitioners		
249	Mentors students and environmental practitioners by advising, supervising, and challenging them to facilitate the development and application of new knowledge in their role as environmental practitioners and community partners in their role in the delivery of sustainable environmental practices.	3
250	Cultivates a stewardship approach within students and practitioners in the application of sound environmental practices within specific industries.	3
CATEGORY O: Environmental Research		
SUB-CATEGORY 31: Conducting Environmental Research/Publishing Results		
268	Writes up the results of the environmental research in accordance with rigorous publishing guidelines (for publication in peer-reviewed journals, presentation at conferences, etc.).	3
CATEGORY Q: Environmental and/or Sustainability Communications & Public Awareness		
SUB-CATEGORY 34: Developing/Implementing Environmental and/or Sustainability Communications and Awareness Programs		
288	Demonstrates an understanding of the fundamental relationships between human activities and the natural environment.	1
289	Demonstrates an understanding of the Canadian environmental sector and sustainability issues.	2
290	Demonstrates a working knowledge of environmental legislation, regulation, standards and voluntary agreements	1
291	Demonstrates an understanding of the role of communications in increasing public awareness of environmental and/or sustainability issues.	1
292	Develops compelling, well researched and strategic proposals for approval and/or funding of environmental communication/awareness programs.	3
293	Develops communications and public relations strategies to address employee and public concerns about environmental and/or sustainability issues and risks and/or to promote the environmental and/or sustainability interests of the organization.	3
SUB-CATEGORY 35: Presenting Expert Information on Environmental Matters		
302	Manages customer relations on environmental and/or sustainability matters that builds productive partnerships with clients, suppliers and other stakeholders	2
305	Conducts informational meetings to identify community and stakeholder priorities on environmental issues and concerns.	2