Figure 1. The domain of environmental literacy

Feedback/reflection loop continued literacy development **Competencies** Knowledge Skills and abilities that you What you know about: know how and when to apply: Physical and ecological systems • Identify environmental · Social, cultural and issues political systems • Ask relevant questions • Environmental issues about environmental • Multiple solutions to environmental issues conditions and issues • Citizen participation • Analyze environmental and action strategies issues Investigate environmental issues (scientific and social aspects of issues using primary and secondary **Dispositions** sources) How you respond to Evaluate and make environmental issues: personal judgments about Sensitivity environmental issues (the Attitudes and concern interaction between toward the environment environmental conditions Assumption of and sociopolitical personal responsibility • Locus of control/ Selfsystems) efficacy • Use evidence and • Motivation, and knowledge to select and intention to act defend one's own position(s) to resolve issues • Create and evaluate plans at various

scales/levels to resolve environmental issues

Environmentally Responsible **Behavior**

Involvement in intentional and habitual behaviors, individually or as a member of a group, that work towards solving current problems and preventing new ones.

Contexts

Personal. Social, and Physical

Brief Descriptions of the Competencies

Identify environmental issues – including the ability to describe and provide evidence for the dimensions of the issue, human disagreements central to it, factors that cause or contribute to it.

Ask relevant questions – about environmental problems as well as

human dimensions and historical or geographical features of an issue. Also the ability to ask higher-order questions aimed at discovering conditions that have implications for the issue.

Analyze environmental issues – the interpretation and use of knowledge regarding physical, ecological & sociopolitical systems, and of information about stakeholders, their positions, beliefs and value perspectives. Also, the ability to determine relevant factors and to discern interactions among those factors, and to predict likely consequences of issues.

Investigate environmental issues – by gathering new information about an issue as well as locating and using relevant sources of additional information, synthesizing, and communicating the outcomes of the investigation.

Evaluate & make personal judgments about environmental issues-constructing dispassionate evaluations and explanations based on available information & the beliefs and values of stakeholders; and articulating views about actions that may be warranted.

Use evidence & experience to defend positions & resolve issues – constructing and defending a sound evidence-based argument about what it will take to resolve or help resolve an issue.

Create and evaluate plans to resolve environmental issues – by assuming the responsibility for acting, frequently with others, and engaging in planning based on the environmental conditions, available resources, and sociopolitical contexts to resolve or help resolve issues.