

**Project Name**      **Establish Human Well Being Baseline and Targets**

**Program Area**      Human Well Being

**Element**            Establish Human Well Being Baseline and Targets

**Project No.**        HWB 02

**Related Projects**    AM 01 Land Use Planning Summary  
HWB 01 Define Socio-economic Indicators for Schedule C/G  
EI 01: Refine Ecological Indicators: Old Growth Thresholds  
AM 02: Develop Adaptive Management Framework

**Start Date**         February, 2007

**Completion Date**    January, 2009

### **Overview**

This project is the second phase of a two-phase project to provide the baseline data for a comprehensive, practical and effective monitoring framework for human well-being (HWB) for the Central and North Coast of British Columbia. Phase 1 is complete, and involved the review and refinement of socio-economic indicators and objectives appropriate to the Coastal First Nations Land and Resource Protocol Agreement (Schedule C) and the KNT First Nations Agreement in Principle (Schedule G).

This project (HWB 02) involves the review and assessment of compiled social, economic, and cultural Human Well Being (HWB) determinants, the collection of baseline data for specific indicators, and recommendations for target indicators, to be used for monitoring at temporal stages. This study should address both aboriginal and non-aboriginal perspectives and address both outcome-oriented indicators (e.g., levels of service) and process-oriented indicators (e.g., levels of involvement in community activities). Measurement / monitoring methods may include objective methods (e.g., direct measurement of employment, levels of service, etc.) and subjective methods (e.g., self-reported levels of satisfaction).

This dataset will become the baseline information to monitor progress towards the EBM goal of improving human well-being on the coast. Baseline data should be relevant to the set of indicators that will be monitored over the long-term.

### **Objectives**

- Provide a snapshot of current levels of human well-being to assist in setting targets, and enable parties to monitor progress towards improving human well-being on the Central and North Coasts
- Address gaps and update existing baseline indicator information (from the Coast Information Team and from government agencies and other parties in support of land use planning processes)

- Recommend a list of HWB indicators to the HWB PSC from a compiled list of indicators collected by Rubus EcoScience Alliance (Rubus) in Phase 1 of this project (Appendix A), Indicators should be identified according to the following three criteria (listed in order of importance)
  - Those directly related to Schedule C and Schedule G
  - Additional indicators identified from Rubus with rationale based on an assessment of the cost, utility, and practicality of collecting these baseline data
  - Other indicators not identified from Rubus with rationale based on an assessment of the cost, utility, and practicality of collecting these baseline data
- Identify and evaluate methods for measuring and monitoring these indicators that could be applied within the adaptive management framework, including monitoring of trends over time as well as understanding the relationship to resource management decisions
- Collect baseline data for the list of HWB indicators selected by the HWB PSC
- Recommend a methodology and/or rationale for setting targets for these HWB indicators
- Recommend modifications to and/or removal of any existing indicators or the addition/substitution of new indicators (with rationale)

### **Expected Use/User/Benefits**

- Input to develop an adaptive management framework for long term monitoring
- Used to establish HWB baseline indicators
- Used to identify opportunities to improve HWB
- Inform First Nation DSP planning activities
- Inform PIMC implementation discussions
- Inform First Nation and Provincial discussions related to harmonization of DSPs and full implementation of EBM

### **Key Tasks**

1. Review existing indicators in Schedules C and G, and the full suite of indicators compiled by Rubus during Phase 1 of this project.
2. Provide recommendations to the HWB PSC on the optimal set of indicators to use given:
  - a. The priority the PSC places on indicators drawn from or directly related to schedules C and G.
  - b. The relative effectiveness of the Rubus and C and G indicators in measuring human wellbeing.
  - c. The costs and practicality of gathering data using any of the indicators from Rubus and schedules C and G.
  - d. Any recommended modifications/additions to the Rubus and schedules C and G list.
3. Attend a one-day workshop with the HWB Project Steering Committee (PSC) and other invitees identified by the HW PSC to discuss project deliverables, context, the recommended indicator list, and the information in 3 above.
4. Submit interim report to the HWB PSC
5. Finalize data collection and target methodology by generating an outline describing (i) the scale(s) at which data for each indicator will be collected (e.g. First Nation, local community level, regional district level, region, etc.); (ii) the source (see Appendix B for examples of potential sources) and the method to be used to collect the data (e.g. if secondary, what is the source, if primary, what is the method), and (iii) cost and collection cycle for monitoring (iv)

- contingency plans if data are not accessible for identified indicators (v) preliminary recommendations for a methodology to select targets for the indicators.
6. Prepare a preliminary baseline data update report
  7. Submit a draft report to the PSC based on the outcomes of Tasks 2 -6. The report will be graphically appealing and desktop published in Adobe InDesign, as well as a soft copy in PDF format. Based on RFP, a suggested Table of Contents for the report is as follows:
    - a. Executive Summary
    - b. Introduction
      - i. Background on EBM for the Central and North Coast
      - ii. Description of the indicator selection process and the objectives of the monitoring program
      - iii. About the Steering Committee
    - c. Baseline indicators and data interpretation,
      - i. This section will provide technical information/specifications regarding the data inventory, including formats, the location and scale in which the data exists, and an assessment of the quality of this data.
    - d. Description of the proposed database requirements for this data inventory.
    - e. Recommendation for each indicator regarding the most suitable interval and methodology for updating the data (e.g. annually, every three or five years, etc.).
    - f. Recommended methodology for the setting of targets for selected indicators.
    - g. Next Steps
  8. Within two weeks of submitting the draft report, attend a one-day workshop with the HWB PSC, PIMCs, other EBM WG members and possibly others interested to discuss the findings in the draft report.
  9. Based on the discussions and feedback provided at the second Workshop, prepare and submit a final draft report with executive summary to the project steering committee and a draft indicator database (with specifications, protocols, manual, and general maintenance requirements for the database)
  10. Incorporate feedback from project steering committee and submit final report in addition to a final indicator database (with specifications, protocols, manual, and general maintenance requirements for the database)

### **Deliverable(s) and/or Milestones**

- Preliminary set of HWB indicators, data collection methodology and target methodology prepared
- First Workshop with HWB PSC
- Draft Interim Report
- Data collection and methodology outline
- Preliminary Baseline Data – Update Report
- Draft report
- Second Workshop with HWB PSC
- Final draft report (with executive summary)
- Draft indicator database
- Final report

- Final Indicator database (with specifications, protocols, manual, and general maintenance requirements for the database)

### **Responsibilities**

- EBM WG Project Leads:

Grant Scott – EBM WG Member / HWB PSC Member; On behalf of the PSC - provide oversight to project direction, report updates to EBM WG on progress and confirm deliverables met and overall project timeline is on track.

David Flood – assist with administrative elements required for project completion; assist with providing updates, workshop planning, deliverables review and communication.

- Major Partners: N/A

### **Peer Review Requirements: N/A**

#### **Rational:**

- Key points of contact planned between the consultant and the HWB PSC, EBM WG members and other invited stakeholders at two planned workshops to assist in refining and confirming the indicators outcome.
- PSC as a whole will provide reviews of drafts provided in Task 4 and Task 8; to ensure contract commitments and project deliverables are being considered and achieved.

### **Linkages to other EBM Projects or Initiatives**

- AM 01: The AM 01 summary report served as the starting point for defining ecological and HWB indicators, many of the latter are applied in this (HWB 02) project
- HWB 01: The socio-economic indicators defined in Schedule C/G of HWB 01 will be used to collect HWB baseline data for this (HWB 02) project
- EI 01: The ecological indicators identified in EI 01 will be used along with the HWB indicators and baseline information, identified in this (HWB 02) project, to inform an adaptive management framework
- AM 02: The adaptive management framework resulting from AM 02 will be derived, in part, from the indicator and baseline information from this (HWB 02) project

### **Method of Implementation**

- State the implementation approach (check box with an “X”):

Contract: Socio-economic, cultural resea  
contractor(s)

Peer Review

Internal EBMWG Task

Other: \_\_\_\_\_

## Budget

<b>Item</b>	<b>Budget</b>	<b>Source</b>
Workshop #1	\$11,620*	EBMWG
Draft Interim Report	\$16,980*	<i>EBMWG</i>
Preliminary Baseline Data – Update Report	\$19,140	<i>EBMWG</i>
Draft Report	\$14,720*	<i>EBMWG</i>
Final Draft and Draft Indicator Database	\$20,280*	<i>EBMWG</i>
Final Report	\$2,760	<i>EBMWG</i>
<b>Total:</b>	<b>\$85,500</b>	