

R2R IW RESULTS FRAMEWORK

Components	Outcomes	Indicator	Baseline	Targets End of Project	Source of Verification	Risks and Assumptions
1. Sustained community adoption of appropriate on-site waste management systems to reduce contaminant impacts on environmental and public health at Laura Village	1.1 Evidence based application of on-site waste management systems through optimal design and operation of systems to meet international standards for water safety and use of human compost in Laura Village	Extent of application of scientific recommendations to improve system designs	Limited understanding of processes of on-site waste management systems and efficacy at reducing contaminant loads to the Laura Lens	Locally appropriate design and management of on-site waste management systems developed through targeted scientific research into composting mechanisms, contaminant reductions and optimal operating conditions to enhance system efficacy	Documents of assessments and monitoring results, analysis and research reports, comparative studies and consultation meeting reports Improved design and construction plans Published scientific paper [Yr 3}	Design and operation of eco-sanitation systems are able to be optimally improved in remote island setting Resources are sufficiently available for reliable analysis of eco-sanitation systems to produce robust scientific results Cost of refined design does not exceed ability to resource
	1.2 Improved community understanding of waste management issues and solutions through enhanced access to effective and appropriate information	Volume of new and additional information available and accessed through the Laura Lens Learning Centre	Limited information materials available through the Laura Lens Learning Centre	The Laura Lens Learning Centre populated with effective and appropriate educational resources	Educational films and documentaries, construction training manuals, system operational guides, compost use guidelines, radio/audio talk shows, toilet owner interviews and advice	Effectiveness of education materials to increase community understanding of waste management issues Resources available to develop education materials
	1.3 Improved donor support for increased householder uptake of on-site sanitation systems	Number of GEF Small Grants Programme, USAID and AusAID projects implemented to support householder uptake of on-site sanitation systems	Low level of community access to donor funds for implementing domestic on-site waste management systems	Partnerships with GEF Small Grants Programme, USAID and AusAID to strengthen householder ability to implement domestic on-site waste management systems	GEF Small Grants Programme, USAID and AusAID project proposals and implementation reports	Suitable community based organisations to assist communities with donor project requirements

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2. Integrating targeted scientific investigation on coastal and land ecosystem processes, local knowledge and strategic partnerships to strengthen knowledge base for key evidence-based ICM planning and investment	2.1 Enhanced knowledge of linkage between land-use and coastal health and status of coastal habitats in Laura area	Status of data collection programmes for 3 priority sites Uptake of scientific recommendations in ICM planning	Little data available on coastal habitats, links between land-based contaminants and coastal water degradation and coastal habitat status	Ecosystem processes and coastal habitat data collection programmes operational to identify nutrient dynamics and threats from land-based contaminants to coastal waters, causal links to coastal ecosystem degradation and habitat status at 3 priority sites in the Laura area	Monitoring results, analysis and research reports, comparative studies and final evaluation report [Yr 3] Coastal Health Summary for Policy & Planning [Yr 3] Published scientific paper [Yr 3]	Untreated effluent disposal is negatively affecting coastal water quality Resources are sufficiently available for reliable analysis and evaluation of contaminant dynamics to produce scientific results
	2.2 Improved synthesis of information relating to fisheries and water quality status and trends in the Laura area	Volume of information compiled and shared on habitat area and quality; trends in catch size and quality; and trends in coastal and groundwater quality	Limited sharing and linking of data regarding status of fisheries and water quality in Laura area	Partnerships between RMIEPA and Dept. of Fisheries established to share and link data relating to fisheries use and coastal and groundwater water quality	Database of shared and linked information, comparative assessment report	Collaborative agreements between departments can be established Suitable repository can be established and maintained for shared data
	2.3 Strengthened integration of traditional knowledge with scientific investigations	Status of repository and amount of knowledge records collected	Lack of recorded traditional environmental knowledge	Establishment and population of local repository for traditional knowledge on ecosystem processes, historical environmental trends, coastal habitats and fisheries	Online and hard-copy database of knowledge records, participatory interviews, community consultation reports	Adequate internet service to allow staff to update an online database Sufficient traditional knowledge available to populate database
	2.2 Enhanced access to information regarding land use, and status of coastal habitats and fisheries in Laura Village area	Status of the GIS and number of sites described	Lack of relevant GIS data for the Laura area	Targeted GIS on land use and coastal health featuring information on land use, land and coastal sites of waste disposal, status and location of critical marine habitats and fisheries, water quality data and areas of public health concern	Report including maps of land use, pollutant sources, riparian zones, fisheries, coastal habitats, groundwater wells, and water quality of the Laura Water Lens	Adequate internet service to allow staff to update an online database Resources available to undertake and complete GIS mapping

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3. National and local management planning for integrated land, water and coastal management for sustainable livelihoods at Laura	3.1 Management strategies developed to sustain coastal livelihoods at Laura through inter-agency cooperation	Establishment of a roundtable network of relevant agencies Status of priority issues identification and management interventions agreed upon and committed to	Little inter-agency cooperation of coastal management at Laura area	Consensus amongst relevant agencies and funding bodies (e.g Fisheries, Health, NGO's) regarding pressing coastal issues, their impact on sustainable livelihoods and required management interventions at Laura, including benchmarking of current and planned projects and financing levels	Round-table meeting reports including list of participants, joint management decisions and participation lists Published management plans and implementation reports [Yr 3]	Existing tensions between agencies may limit participation in a round-table network Unwillingness of participants to openly discuss causes of environmental degradation
	3.2 Causal links between land use and coastal health, and sustainable livelihoods and public health established and understood through integrating current and historical data	Database established and populated with integrated datasets from cooperating agencies	Poor integration of data regarding different aspects of environmental and public health for Laura area	Data gathered through sub-contract agreements with relevant agencies (e.g. Fisheries, Health) to connect aspects of land use and coastal health to livelihoods and public health featuring information on connection to traditional lifestyles and NCD's	Online database of environmental and public health information	Unwillingness of agencies to participate in sharing of information