

R2R IW RESULTS FRAMEWORK

Components	Outcomes	Indicator	Baseline	Targets End of Project	Source of Verification	Risks and Assumptions
1. Building ecosystem and climate change resilience via national actions to strengthen the enabling environment and monitoring capacity for water systems in Niue	1.1 Water security increased with resulting increased resilience to Climate Change through improved Water Use Efficiency	Status of endorsement of National Water Use Efficiency Policy, Cost Recovery Strategy and Implementation Plan	Lack of national Water Use Efficiency Policy and technical efficiency solutions	National planning and policy frameworks for improving water use efficiency and cost recovery assessed and required reforms endorsed including selection and installation of appropriate water use efficiency equipment	National report on legal and institutional aspects of policy development, consultation meeting reports	National government prepared to reform
		Implementation Plan actioned			Endorsed policy, implementation plan and cost recovery strategy	Public prepared to reform and pay for water services
		Annual Report on Water Use Efficiency				
	1.2 Sustainable Water Resource Management through maintenance of Ecosystem Service	Diagnostic report and recommendations	Scientific information regarding status of natural water systems in Niue is lacking	National Water Quality and Marine Health database developed and populated with data collected through participatory water and coastal monitoring programme	National Water Quality and Marine Health database available online, monitoring and assessment reports, training workshop documents including attendees, minutes and completion reports	Government staff are available for training in and implementation of monitoring programme
		Established sampling and analytical capacity				Consistent use of standardised data collection methods and procedures
		Status of database and number of datasets contained within				Maintenance of National Data base and annual public reporting
	1.3 Enhanced culture of water resource protection in Niue	Community Engagement and Communications Strategy	Community understanding of the impacts of poor water quality and misuse is limited	Proportion of target community members with awareness of the impacts of water quality and technical skills to successfully practice water use efficiency increased by 50% through innovative participatory techniques	Community Engagement and Communications Strategy Report	Awareness and capacity building materials are sufficiently well designed to engage community members and resource users
		Percent increase in target population with active understanding of water quality and use				Awareness and capacity building materials are sufficiently well designed to engage community members and resource users
		Annual Events Calendar				Sufficient interest and community wide support

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2. Coastal and groundwater protection enhanced via targeted reductions in land-based contaminants	2.1 Reduced environmental stressors on marine and terrestrial ecosystems	Diagnostic and Best Practices Report	High levels of illegal waste dumping contributes to ground and coastal water pollution	Volume of illegal dumping of domestic and commercial solid waste, wastewater and septic sludge reduced by 30% through a developed Transfer Station, appropriate Waste Management Plans and sludge treatment options	Endorsed Transfer Station design and construction plans, endorsed Waste Management Plans and approved sludge treatment system	Design and operation of Transfer Station and sludge treatment systems is effective in reducing volume of illegal waste dumping		
		Volume reduction in illegal waste dumping	Status of Waste Management Plans and implementation				Attitudinal Survey	Documents of assessment and monitoring results
		Compliance improved						
	2.2 Environmental and public health improved.	Volume reduction in untreated effluent discharged into receiving environment	(90%) of septic systems at Alofi North and Alofi South are ineffective at reducing contaminant loads	Nutrient and pathogen loads from ineffective septic systems discharging into the receiving environment reduced by 50% through system upgrades at Alofi North and Alofi South	Comparative studies on nutrient release and reductions of septic systems, documents of assessments and monitoring results	Design and operation of septic systems is effective in reducing untreated effluent entering the environment		
				1623 kg/yr (20%) TN reduction through 200 households septic system upgrades and construction of 15 sand filter on-site wastewater treatment systems in the demonstration area in Niue				
				0.32 kg/ha/yr pollution reduction to groundwater system from on-site sanitation treatment system upgrades in demonstration area in Niue			Report on assessment of the operational status [Yr 3]	Sufficient resources available to upgrade required number of systems

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3. Information management and community awareness increased in support of national Integrated Coastal Management	3.1 Target communities mobilised to adopt ICM	Extent and continuity of community attendance at awareness raising events	Limited community understanding of ICM	Community awareness programme for integrated coastal management implemented at 5 target communities through targeted education and monitoring programme, STAR project exchange and participatory coastal health assessments	Educational films and documentaries, radio/ audio talk-shows, project exchange reports, database of coastal health assessments	Sufficiently well-designed education materials to improve community understanding
	3.2 ICM planning and development strengthened at Village Level	Status of the ICM plans and uptake of recommended management strategies	No existing ICM plans in Niue	Village level ICM plans developed through community management networks at 2 priority sites in Niue	Community consultation meetings, ICM Plans for 2 priority sites, implementation plans and activities	Communities will sufficiently engaged and educated to develop ICM plans
				4,608 ha under improved catchment management in Alofi North and Alofi South, Niue		
	3.3 Land-based contaminants to coastal waters monitored, reported and managed to Established Standards	Number and continuity of people trained in data collection techniques	Limited existing knowledge and skill base in environmental data collection	Ecological health of coastal waters of Niue characterised and land-based contamination processes established through participatory ecosystem and coastal habitat data collection programme at 2 priority sites	Training workshop reports including number of people and level of training achieved	Willingness of national level staff to be involved in data collection and training
		Status of data collection programmes for 2 priority sites			Monitoring results, analysis and research reports, comparative studies and final evaluation report [Yr 3]	