Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Overall Goal The Apia Water Catchment is a well managed water resource ensuring appropriate and sustainable management and continued availability of quality water to meet all reasonable health, environmental & economic development needs.	• Sustainable management of Apia Catchment.	• Hot Spot Analysis Report 85% score ○ Severe degradation of catchment zone ○ Water quality & quantity not acceptable ○ Water pollution level especially downstream very high ○ Eutrophication ○ Suspended solids • Community Baseline survey confirms the lack of knowledge in the community regarding integrated water resource management.	• Improved living standards • Water-quality standard increase (percentage indicator currently 64%) and met target every year. • Water-related health statistics • Community confident in practicing IWRM concept	• Government department such as MNRE, & MOH monitoring programs and statistic surveys • IWRM concept familiar to all from another baseline survey later on the project life.	Natural disaster Reliable & accuracy of information Willingness of the community to participate. Government will. Co-funding organisational capacity to deliver outcomes	MNRE-WRD, MOH, MESC
Purpose Improved integrated water resources and wastewater management in the Apia Catchment Improved environmental conditions/water quality and public health	• Improved agricultural practices within the Apia Catchment and Farmers to be aware of the soil erosion danger of farming slopes and catchment deep slope areas to be protected from cultivations and	• Community farming on river banks and cutting trees on slopes. FAO report on soil erosions around catchment due to farming bad practices • No wastewater program in place • Individual treatment plants for few building complex • No sewer system for the	By 2013 • Community consultations attend by farmers • Farmers willing to give agro-forestry a go and practice it. • Tree planting starting be rehabilitated around	• Feedback from farmers and community • Community practicing agro-forestry • MNRE 1 million tree utilise by Apia catchment • Monitoring of appropriate agricultural	MNRE implements catchment's monitoring plan in collaboration with MAFF MNRE continue to plan and manage water resource quality Stakeholder support and	MAFF, MNRE-WRD, MNRE-FORESTRY

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
	cattle farming • Reduced water and soil pollution and contamination • Improved drainage in the CBD area particularly in Fugalei area • Policy, institutional and legislative framework in place • Wastewater and drainage master plans prepared • Reduced incidence of water-related diseases verify by update MOH data • Wastewater treatment plant in place	whole CBD Lack of water management awareness in the community	catchment slopes • Awareness programs will address • Good Agriculture Practices GAP • Environmental implication of poor water resources management • Agency /household / individual responsibility • Regulatory and administrative procedures and processes that support IWRM principles • WW treatment in operation by 2010 • Community and government departments working together on environment good practices • Apia catchment becomes a	practices within the catchment (MNRE & MAFF) • Progress of WWT construction & reports • Water quality monitoring in surface water drains (WRD MNRE) • Householder surveys • Business surveys • PUMA environmental monitoring reports • Household surveys • Ministry of Health (MOH) data	willingness to accept mitigation action No natural disaster and WWT design work Institutional, regulation, and policy initiatives not implemented Political support for catchments management continues	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
			model for scaling up project internationally for environmental principle			
Component 0: Project Management Effective and timely delivery of IWRM Project; developed capacity of PMU and CCC						
Output 0.1 Project Management to deliver successful demonstration project	• Delivery of successful demonstration project	• PMU not established yet	• Project delivered on time and budget, with a replication strategy in place at a national level • Project PM&E plan endorsed by CCC by Jun 2012	• Project reporting	Ongoing political commitment. Co-funding partners deliver externally funded activities. Capacity to attract and retain suitable personnel	MNRE-WRD
Activity 0.1.1 Establish PMU and project office	• Establishment of PMU and project office	• No PMU	• PMU and office established	• Project Reporting	Capacity to attract and retain suitable personnel	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Activity 0.1.2 Identify stakeholders, including co-funding donors and clarify roles, expectations and responsibilities	• Stakeholder communication and engagement strategies (such as quarterly meetings & updates) developed and targeted to optimise engagement and project success	• Stakeholders to be established	• Stakeholder communication strategy endorsed by CCC • Stakeholder roles and responsibilities report endorsed by CCC	• CCC Meeting minutes	Changes to stakeholders throughout the project have the potential to change project focus	
Activity 0.1.3 Manage budgets, deliverable and timelines	• Project delivered on time and on budget • Project PM&E plan implemented	• No PMU • No baseline	• Project delivered on time and budget • Project PM&E plan endorsed by CCC by Jun 2012	• Project Reporting and audits • CCC Minutes	Further changes to GEF budgets or co-funding may compromise all three components. Risks identified above also likely to impact on budgets, deliverables or timelines	
Output 0.2 Establishment of sustainable CCC	• CCC established with delegated authority and sustainable funding mechanism	• CCC to be established	• CCC established with delegated authority and sustainable funding mechanism	• CCC meeting minutes	Ongoing political commitment to support governance at catchment level. Capacity to attract and retain suitable personnel for CCC	MNRE-WRD

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Activity 0.2.1 Establish CCC with Terms of Reference	• CCC established and operating	• No delegated governance body at catchment level	• CCC established with ToR. Members appointed to CCC	• CCC meeting minutes	Ongoing political commitment to support governance at catchment level. Capacity to attract and retain suitable personnel for CCC	
Activity 0.2.2 Establish delegated authority for CCC	• CCC delegated to decide on funding and management of catchment	• No delegated governance body at catchment level	• CCC delegated authority on funding and management of catchment	• Cabinet minutes and FK forms		
Activity 0.2.3 Establish sustainable funding mechanism for CCC beyond the project	• CCC funded through sustainable funding mechanism, ensuring continuity of actions	• No delegated governance body at catchment level	• Sustainable funding mechanism established prior to project completion	• FK forms (this is government directive for approval of any request	Ongoing political commitment; positive community response	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Output 0.3 Replication strategy developed and implemented to mainstream lessons learned	• Replication Strategy developed and implemented	• No replication	• Replication report endorsed by RTAG or independent auditor by end of project • Technical Replication report endorsed by RTAG or independent auditor by end of project	• RTAG Minutes • NWSSC Minutes	Capacity to clearly identify relevant lessons for adoption	MNRE-WRD
Activity 0.3.1 Develop Replication Strategy	• Replication Strategy implemented	• No replication	• Replication strategy endorsed by CCC	• CCC meeting minutes	Capacity	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Activity 0.3.2 Replication of project lesons and technical components	• Project lessons replicated	• No replication	• Replication report endorsed by RTAG or independent auditor by end of project • Technical Replication report endorsed by RTAG or independent auditor by end of project	• RTAG Minutes • NWSSC Minutes	Capacity to clearly identify relevant lessons for adoption	
Component 1: Policy and Planning Policy, institutional, and legislative / regulatory requirements in place; Planning and Management tools developed						
Output 1.1 Land Use Plan	• Land Use Plan Approved by Cabinet	• Land Use Plan being proposed through the system	• Land Use Plan assessment to be finalised by 2011 and ready for Cabinet approval in end 2012.	• Division meetings & Policy division monthly reports.	Personnel dedication and schedule execution. Political will and commitment.	MNRE-WRD, FORESTRY, DEC, PUMA,

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Activity 1.1.1 Conduct a Land Use Assessment validating maps & different land use activities to inform planning decisions and consult with community on assessment results	• Land Use Assessment carried out	• No assessment on land use available	• Land Use assessment carried out on Apia Catchments • Community consultation on result assessment	• CCC Meeting minutes	Schedule fulfilment	
Activity 1.1.2a Draft Land Use Plan incorporating findings of Land use Assessment	• Draft Land Use Plan	• No assessment	• Draft Land Use Plan ready for consultation	• CCC Approval	Personnel dedication	
Activity 1.1.2b Consult with community and key and vulnerable stakeholders on Draft Plan	• Consultation undertaken	• Nothing started	• Consultation Report outlining the stakeholders consulted and response	• Consultation	Sound consultation process able to elicit consolidated feedback	
Activity 1.1.3a Finalise Draft Plan	• Land Use Plan	• Not started	• Land Use Plan for submission to Cabinet	• CCC Approval	Positive community response	
Activity 1.1.3b Manage progress of Plan through Cabinet	• Cabinet approved Land Use Plan	• Not started	• Land Use Plan approved by Cabinet	• Cabinet FK and Minutes	Strong Political will and commitment.	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Output 1.2 Approved revised Water Management Plan (Vaisigano & Fuluasou)	• Existing Water Management Plan for Vaisigano & Fuluasou reviewed and approved • Increase in land protected and/or rehabilitated over the catchment	• Existing Water Management Plans for Vaisigano & Fuluasou outdated. • Reserves declared by Cabinet/Minister at 1 January 2009	• Management plans for the 2 rivers to be approved before the schedule National Water Services Policy approved by July 2012 • Catchment zones of 2,000 ha declared in regulations	• Cabinet Directives for policy approval • National Regulations	Community/Government commitment and support	MNRE-WRD
Activity 1.2.1 Review the Plans for the 2 rivers	• Review existing Water Management Plan for the 2 rivers	• Old Water Management Plans for Vaisgano & Fuluasou	• Water Management Plans review	• CCC & Division meeting	Lessons learnt from existing plans	
Activity 1.2.2 Consult with community of the 2 rivers including key and vulnerable stakeholders	• Stakeholders consultation	• Stakeholders analysis been undertaken	• Consultation Report	• Consultation report endorsed by CCC	Sound consultation process able to elicit consolidated feedback; Community support	
Activity 1.2.3 Amend & finalise plans	• Water Management Plans for the 2 rivers reviewed and finalised	• Plans existed but outdated	• Revision of outdated water management plans	• Water Management Plans endorsed by CCC then Cabinet	Community support and Government commitment	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Output 1.3 Water Safety Plan for Underwater & Surface Water.	• Approve Water Safety Plans for Vaisigano & Fuluasou Catchment first then and develop a Water Safety Plan for the nation from there	• Water Safety Plans for Vaisigano & Fuluasou pending approval	• Legislation for Water Resource Management effective by December 2012 • Water Safety Plans for underground & surface water developed by June 2012	• Progress Report & meetings	Government & stakeholders commitment.	MNRE-WRD
Activity 1.3.1 Assessment of Water Quality and Quantity	• Assess water quality & quantity for the 2 catchment. Current data and compare with existing historical ones	• Hot spot analysis preliminary tests	• Assessment & specimen tests ongoing till 2011	• Reports endorsed by CCC	Capacity to attract and retain suitable personnel	
Activity 1.3.2 Develop the Water Safety Plans	• Water Safety Plans developed	• No Water Safety Plan in place	• Plan to be drafted by mid 2012	• Water Safety Plans for 2 catchments endorsed by CCC for consultation	Capacity to attract and retain suitable personnel	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Activity 1.3.3 Conduct Stakeholders Consultation	• Stakeholders consultation completed	• Stakeholders analysis been done	• Stakeholders analysis report	• Endorsement of consultation report(s) for 2 WSPs by CCC	Sound consultation process able to elicit consolidated feedback; Community support	
Activity 1.3.4 Finalise the Water Safety Plans	• Water Safety Plan finalise	• No Water Safety Plan in place	• CCC endorsement of Final Water Safety Plans	• CCC meeting minutes	Capacity to convince CCC of importance of WSP and community support	
Output 1.4 National IWRM Plan	• National IWRM Plan approved	• Existing National Water Policies need reviewing	• National IWRM Plan endorsed by Parliament by end 2012	• Parliament to pass National IWRM Plan	Government commitment & support	**MNRE,** MOH, SWA, MWTI
Activity 1.4.1 Review Governance and institutional arrangements	• Report on existing arrangements and options	• Existing Water Policy	• Review of governance and institutional arrangements endorsed	• Cabinet minutes	Government commitment & support	
Activity 1.4.2 Review key water resource management issues	• Analysis report on key issues with supporting data	• National water reporting arrangements	• Water Resources Report endorsed by Cabinet	• Cabinet minutes	Available data to support analysis	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Activity 1.4.3 Develop Action Plan to implement national policies and governance and institutional arrangements	• National Action Plan	• Nil	• National Action Plan endorsed by Cabinet	• Cabinet minutes	Government commitment & support	
Activity 1.4.4 Consult stakeholders on components of National IWRM Plan	• Stakeholder consultation report	• Community unaware of need for IWRM Plan	• Stakeholder consultation report endorsed by Cabinet	• Cabinet Minutes	Sound consultation process able to elicit consolidated feedback; Community support	
Activity 1.4.5 Obtain Parliament endorsement of National IWRM Plan	• National IWRM Plan	• National policies • Budget 2009	• National IWRM Plan endorsed by end 2012 • Budget line in place by mid-2013 • 20% increase in budget for IWRM activities by end of project	• Cabinet Minutes	Community support and Government commitment	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Output 1.5 Reviewed National Water Resources Policy and finalised National Water Service Policy	• National Water Resources Policy & National Water Services Policy approved	• Existing National Water Policies need reviewing	• National Water Policies reviewed by December 2011	• Parliament to pass National Water Resources Policy • Parliament to pass National Water Services Policy	Government commitment & support	MNRE, MOH, SWA, MWTI
Activity 1.5.1 Review & finalise National Water Resource Policy incorporating best IWRM approaches	• National Water Resource Policy reviewed and finalised, including IWRM approaches	• National Water Resource Policy being drafted	• Watershed Resource Policy reviewed end 2011	• NWRP revisions endorsed by Cabinet (Cabinet Minutes)	Commitment & support	
Activity 1.5.2 Review National Water Service Policy	• National Water Services Policy reviewed and finalised	• Policy being drafted	• Policies review	• CCC & Divisional meeting	Commitment & support	
Activity 1.5.2b Finalise NWSP	• National Water Services Policy Finalise	• Policy being drafted	• Policy finalise	• CCC & Divisional meeting	Commitment & support	
Activity 1.5.3 Consult with the whole community, including key and vulnerable stakeholders	• National Water Resources & National Water Services Policies present to stakeholders	• Policies being drafted	• Stakeholder consultation report	• Consultation Report endorsement by Cabinet	Sound consultation process able to elicit consolidated feedback; Community support	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Output 1.6 National Water Resources Legislation	• National Water Resources Legislation	• No legislation	• Legislation enacted by Parliament by end of 2012	• Parliament to endorse national water resources legislation	Government commitment & support	**MNRE,** MOH, SWA, MWTI
Activity 1.6.1 Review existing legislation and scope	• Report on review of national legislation and options	• National Water Resource Policy being drafted	• Legislation reviewed and options report endorsed by Cabinet by end July 2012	• Cabinet Minutes	Government commitment & support	
Activity 1.6.2 Draft water resource legislation	• Draft legislation for consultation	• No legislation	• Draft legislation endorsed by Cabinet for consultation	• Cabinet Minutes	Commitment & support	
Activity 1.6.3 Consult with the whole community, including key and vulnerable stakeholders	• Legislation presented to stakeholders	• No legislation	• Stakeholder consultation report	• Consultation Report endorsement by Cabinet	Sound consultation process able to elicit consolidated feedback; Community support	
Activity 1.6.3 Finalise legislation	• National water resource legislation finalised	• No legislation	• Legislation endorsed by Parliament by end 2012	• Parliament to endorse national water resources legislation	Commitment & support	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Output 1.7 National IWRM indicator framework embedded in formal national reporting	• National IWRM indicator framework embedded in formal national reporting	• National reporting framework	• National indicator framework incorporating PM&E endorsed Cabinet by end 2012	• Cabinet Minutes	Government commitment & support	**MNRE,** MOH, SWA, MWTI
Activity 1.7.1 Review existing reported water sector indicators	• Report on recommended changes to reported indicators	• National reporting framework	• Indicator review endorsed by Cabinet by end of 2012	• Cabinet Minutes	Government commitment & support	
Activity 1.7.2 National adoption of PM&E approaches implemented	• Report on recommended changes to reported indicators	• National PM&E framework	• National indicator framework incorporating PM&E endorsed Cabinet by end 2012	• Cabinet Minutes	Government commitment & support	
Output 1.8 Increased sectoral engagement in formal multilateral communication on water issues	• Report identifying increased sectoral engagement	• Sectors represented in formal meetings prior to project commencement	• Report identifying increased sectoral engagement endorsed by NWSSC by end Jun 2012	• NWSSC Minutes	Government commitment & support	**MNRE,** MOH, SWA, MWTI

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Activity 1.8.1 Increased sectoral engagement in formal multilateral communication on water issues	• Report identifying increased sectoral engagement	• Sectors represented in formal meetings prior to project commencement	• Report identifying increased sectoral engagement endorsed by NWSSC by end Jun 2012	• NWSSC Minutes	Government commitment & support	
Output 1.9 National IWRM communication plan framework implemented	• National IWRM communication plan	• No national IWRM communication plan	• Plan endorsed by NWSSC by end Jun 2012	• NWSSC Minutes	Government commitment & support	**MNRE,** MOH, SWA, MWTI
Activity 1.9.1 National IWRM communication plan framework implemented	• National IWRM communication plan	• No national IWRM communication plan	• Plan endorsed by NWSSC by end Jun 2012	• NWSSC Minutes	Government commitment & support	**MNRE,** MOH, SWA, MWTI
Output 1.10 Multi-sectoral APEX body in place	• Multi-sectoral APEX body incorporating IWRM concepts	• NWSSC established	• NWSSC Terms of Reference reviewed to reflect IWRM outcomes by end 2012	• Cabinet Minutes	Government commitment & support	**MNRE,** MOH, SWA, MWTI

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Output 1.10 Multi-sectoral APEX body in place	• Review of NWSSC Terms of Reference	• NWSSC established	• NWSSC Terms of Reference reviewed to reflect IWRM outcomes by end 2012	• Cabinet Minutes	• Government commitment & support	**MNRE,** MOH, SWA, MWTI
Component 2: Rehabilitations and Conservation of the Degraded Areas Conservation and Rehabilitation measures/plans implemented in priority areas of the Apia Catchment						
Output 2.1 Data Collection and update of National Water Resources Information Management System (NWRIMS) for implementation assessment	• Establish Water Protection Zones • Data for NWRIMS available	• Water protection zones not established and NWRIMS data collection not started	• 2 Protected water zones to be established by end 2013 & data/information integrated into NWRIMS	• Data collected & project report • NWRIMS & HYCOS established data available	Human resources availability & consistent data collection	MNRE-WRD, MET
Activity 2.1.1 Identify and confirm priority areas (cadastral survey & etc) for implementation. The original recommendation was proposed during the hot spot analysis	• Priority areas identified	• No assessment done	• Priority areas established	• Priority area Report endorsed by CCC	Data availability	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Activity 2.1.2 Procure equipments/assets and collect data for NWRIMS	• Equipments/assets ready for data collection	• Not started	• Procure equipments/assets • Data collection of rainfall and river flow started. These will validate the historical data and lead to proposal for implementation confirmed	• Data collection report endorsed by CCC	Capacity to source appropriate equipment; capacity to recruit and retain suitably skilled/qualified personnel	
Activity 2.1.3 Update NWRIMS and digitise maps (GIS)	• NWRIMS & GIS digitised	• Data collection to be started. GIS have been in progress.	• NWRIMS data collection and GIS digitised	• GIS Report endorsed by CCC • NWRIMS & HYCOS data	Expertise & data accuracy	
Output 2.2 Impact Assessment of land use (including agriculture, infrastructural developments) on water, soil and biodiversity quality	• Soil water retention & infiltration rating curves in place	• Land Use Activity assessment are being proposed.	• Impact assessment of land use/developments completed by July 2012	• Land Use Plan Policy in place	Data accuracy Site access availability	MNRE, MAF, MOH

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Activity 2.2.1 Assess impact of land use and infrastructural new & potentially harmful existing developments (agriculture, road, utility works etc) validating GIS data for IDRISI assessment	• Land use and infrastructural development impact assessment undertaken.	• No assessment done	• Impact assessment reportsof land use/developments completed • IDRISI landuse and infrastructure development validate	• Assessments & reports endorsed by CCC • IDRISI maps and macro update	Data accuracy	
Activity 2.2.2 Analyse data for soil type classification (infiltration rates, soil texture/strength, soil/water retention capacity etc) to determine soil erosion mitigation actions required	• Mitigation actions proposed as a result of data analysis • High erosion zone identify • IDRISI maps update	• Data analysis not started	• Soil type classification • Mitigation actions proposed • IDRISI database validate and update	• Soil Erosion Report endorsed by CCC • Map of the landscape and infrastructure	Capacity to identify cost-effective erosion mitigation strategies	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Output 2.3 Implementation of pilot priority mitigation measures	• Develop a Water Safety & Conservation Plan • Erosion mitigation measures in place • Reforestation of degraded area	• No Water Safety & Conservation Plan • Mitigation measures not started	• Soil classification and infiltration rates completed by 2012 • Mitigation measures formulated and implemented by 2013	• Inspections & field visits	Accuracy of impact assessment Site access availability	MNRE-WRD, FORESTRY, DEC
Activity 2.3.1 Implement an action plan (including revegetation, and reforestation) of priority sites mitigation measures to reduce erosion, pollution and associated environmental degradation	• Mitigation measure action plan for priority identified sites implementation.	• Not started	• Mitigation measures for identified priority sites implemented • Consultation with landowners, land users, and stakeholders	• Reports & inspections endorsed by CCC	Capacity to identify cost-effective erosion mitigation strategies; Site access	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Output 2.4 Soil, Water, and Land Use monitoring programmed after implementation measures	• Water, soil, and land use monitoring programmed implemented	• No Soil, Water, and Land Use monitoring programme in place	• Annual monitoring schedule to be developed within 4 months of mitigation measures formulation	• Reports & schedule	Stakeholders support	MNRE-WRD, MOH
Activity 2.4.1 Develop and implement an annual monitoring plan (field visit schedule and testing programme) to monitor implementing activities	• Annual monitoring plan developed and implemented	• Not started	• Annual monitoring schedule programme in place initially during implementation and continue after mitigation formulation	• Monitoring programme endorsed and funded by CCC	Staff commitment	
Activity 2.4.2 Update database from current monitoring activities and digitise changes	• Mitigation actions results update and digitised to update data for mapping and assessment of new results	• Data analysis not started	• Digitised updated results from monitoring activities	• Reports endorsed by CCC	Data accuracy Expertise	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Output 2.5 Develop appropriate eco-tourism activities for the Loimata o Apaula & Lanotoo tourists sites	• Sanitary facilities for Loimata o Apaula & Lake Lanotoo reserves and rehabilitate the sites including construction of appropriate access and sign board.	• No facilities on sites	• Sanitary Facilities for Loimata o Apaula & Lanotoo in place	• Meeting reports	Access and availability	MNRE-WRD, FORESTRY, STA
Activity 2.5.1 Rehabilitate Loimata o Apaula ensuring sanitation, signboard, information notices, and access are mitigated.	• Rehabilitate Loimata o Apaula including building of sanitary facilities, track access, and signboard	• Only track access on site	• Sanitary facilities for Loimata o Apaula and rehabilitation around the lake • Community consultations on site activities and protection	• Progress & Section Meeting Reports	Access & vandalism	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Activity 2.5.2 Rehabilitate Lanotoo site (clear track, label native plants, explanation about native birds and history)	• Rehabilitate Lanotoo Lake including building of sanitary facilities and tourism information boards	• Only track assess on site	• Sanitary facilities for Lake Lanotoo and rehabilitation around the lake • Community consultation on site activities and protection	• Progress Reports & Stakeholders meeting minutes	Access & vandalism	
Output 2.5 Increased access of Apia population to improved sanitation	• Apia wastewater treatment plant upgraded and associated sewerage installed	• Around 40% People in Apia with access to improved sanitation	• 30% increase in Apia residents with access to improved sanitation (11,000 people)	• Completion Report endorsed by NWSSC	Externally funded activity, subject to other organisational priorities, finances, political will and technical capacity	
Activity 2.5.1 Increase access of Apia population to improved sanitation	• Apia wastewater treatment plant upgraded and associated sewerage installed	• XXXXXX People in Apia with access to improved sanitation	• 30% increase in Apia residents with access to improved sanitation (11,000 people)	• Completion Report endorsed by NWSSC	Externally funded activity, subject to other organisational priorities, finances, political will and technical capacity	
Component 3: Awareness and Capacity Building						

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Output 3.1 Sustainable Water Demand Management	• High users/consumers identified and awareness and capacity building program put in place for them • Demand Water Management Awareness Programme in place for targeted sectors	• Water wastage and drainage overflowing visible around the town waterways • Communities need awareness and training on water demand management • Water leakage and loss in Apia • Apia population • Baseline of national staff capacity in IWRM	• At least 2 farmers practising agro-forestry within project area by December 2013 • Water usage and leakage reduced by 30% reduction from system supplying 40,000 people • Watershed good management implemented. • IWRM principles integrated into school science curriculum in secondary school by 2012 • Increase in national staff across institutions with IWRM knowledge and experience	• Training needs analysis plan • Implementation report endorsed by NWSSC • National capacity report endorsed by NWSSC	Stakeholders availability Community participation and will	MNRE, STA, MOH, MESC, MWTI

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Activity 3.1.1 Identify and assess critical areas/sectors for water consumption	• High users/consumers identified	• No assessment done	• Report identifying and assessing Critical area/sectors • Identify strategy to reduce usage	• Reported endorsed by CCC	Community and water users' willingness to cooperate and acknowledge.	
Activity 3.1.2.1 Introduce Demand Reduction/Management strategies in sectors (e.g Tourism, Energy, Agriculture etc)	• Demand Reduction Water Management Awareness Programme for targeted sectors	• Not started	• Awareness and capacity building activities for water users	• Report endorsed by CCC	Sector cooperation	
Activity 3.1.2.2 Develop and implement demand management awareness for targeted sectors (e.g Tourism, Energy, Agriculture etc)	• Demand Water Management Awareness Programme for targeted sectors	• Not started	• Farmers practicing agro-forestry • Reduce water usage resulting to water waste reduction • IWRM principles integrated in school	• Report endorsed by CCC	Sectors willingness.	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Output 3.2 Awareness, education and capacity development towards watershed users	• Long term awareness programmes established in MNRE, MAF, SWA, relevant organisations and inclusive programs across the broad community • Project monitoring and evaluation program in place • Targeted capacity building program in place with key stakeholders and the broad community • Attendance at awareness raising activities and at activities with active engagement	• IWRM concept not grasp by the community • Communities need awareness and training on water demand management.	• Water Demand Management issues are discussed in sectors such as energy, tourism, agriculture, & education • Awareness Program implemented and addressed throughout the project • Capacity building program implemented to address capacity gaps • 30% increases in attendance at awareness raising activities • 30% increase in active engagement activities	• Project Reporting • Community feedback • Capacity building program endorsed by CCC • Engagement report endorsed by Steering Committee	Sectors willingness Awareness effectiveness	MNRE, MOH, STA, MWTI, MESC

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Activity 3.2.1 Review effectiveness of existing awareness and education programmes and tools in all relevant sectors, the CCC and the broad community	• Targeted sectors implementing and practicing WDM concept.	• Community and sectors still keeps to the old no water management practice.	• Awareness programme in all targeted sectors, the CCC and the broad community including vulnerable stakeholders by 2012	• Awareness programme endorsed by CCC • CCC meeting minutes	Community participation Sector involvement	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Activity 3.2.2 Implement awareness and capacity building programme for reviewed/developed plans targeting the different users (industries, whole community, farmers) including vulnerable stakeholders	• Demand Water Management Awareness Programme for targeted sectors and the whole community implemented • CCC adequately skilled to govern catchment • Increase community awareness and capacity to deliver IWRM • Vulnerable stakeholder capacity awareness increased hence increasing support to engage IWRM activities • IWRM concept establish in school curriculum	• Not started	• At least 2 Farmers practicing agro-forestry by project ends. • Community willingness to attend consultation • Vulnerable stakeholders supporting activities • IWRM principles integrated in school curriculum by 2013	• Reports on progress of capacity	Sectors willingness.	

Samoa IWRM Project Logframe (2013)

Narrative Summary	Outputs	Baseline indicators	Performance Indicator/Target	Monitoring Mechanism	Assumptions and Risk	Responsible Agency
Activity 3.2.3 Monitoring and evaluation of the programmes	• Project monitoring and evaluation program in place	• Not started	• Monitoring and evaluation program strategy by 2012 reported to CCC on a quarterly and annual basis	• Monitoring reports endorsed by CCC	Public have all seen IWRM awareness programme	
Activity 3.2.4 Country staff trained in monitoring and PM&E	• PM&E training for country staff and associated training assessment report	• None required	• Training assessment report endorsed by NWSSC by June 2012	• NWSSC Minutes		
Inputs						
• Government (Various Ministries and State Owned Enterprises) and NGOs staff • Project consultancy			• MNRE(PUMA & WRD), SWA, MAFF, EPC, MWCSD, MESC, MWTI, MOH. • SUNGO, IPES, USP	• Project reporting • Review missions	Consultant inputs ineffective Counterpart staff availability and effectiveness	