S-4-2 Photo of Discharge Measurement

S-4-2-1 White River (Refer to B1.3.2(a))

S-4-2-2 Rove Creek (Refer to B1. 3.2.(b))

S-4-2-3 Mataniko River (Refer to B1. 3.2.(c))

S-4-2-4 Kombito Creek (Refer to B1. 3.2.(d))

S-4-2-5 Lungga River (Refer to B1. 3.2.(e))

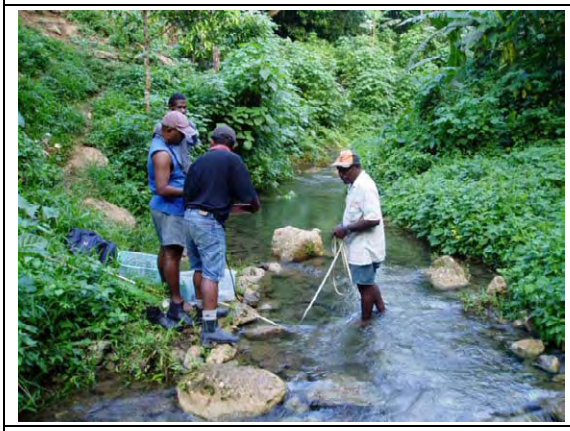
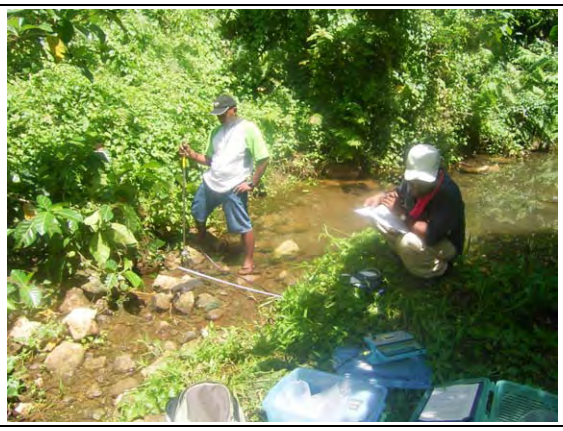
S-4-2-6 Noro (Refer to C1. 1.(3).(a))

S-4-2-7 Auki (Refer to C2. 1.(3).(a))

S-4-2-8 Tulagi (Refer to C3. 1.(3).(a))

S-4-2-1 White River (Refer to B1.3.2(a))

Survey points of WHITE RIVER

<table>
<tr>
<td>  </td>
<td>  </td>
</tr>
<tr>
<td>NO.1 Weir of Kongulai spring water
<u>Survey date: June.2005</u>
1 intake pipe(ϕ 250mm)
2 outlet (B=1.675m×h=0.055m(water depth)
(B=0.94m×h=0.055m(water depth)</td>
<td>NO.1 Weir of Kongulai spring water
<u>Survey date: November.2005</u>
No over flow from dam structure cause by Kovi Sinkhole blockage.</td>
</tr>
<tr>
<td>  </td>
<td>  </td>
</tr>
<tr>
<td>NO.2 immediate downstream of Kongulai Spring
<u>Survey date: June.2005</u>
Water flow Q=0.057m^3/s
Width of river B=1.7m
Maximum depth h=0.330m
Maximum velocity V=0.420m/sec</td>
<td>NO.2 immediate downstream of Kongulai Spring
<u>Survey date: November.2005</u>
Water flow Q=0.001m^3/s
Width of river B=1.35m
Maximum depth h=0.125m
Maximum velocity V=0.032m/sec</td>
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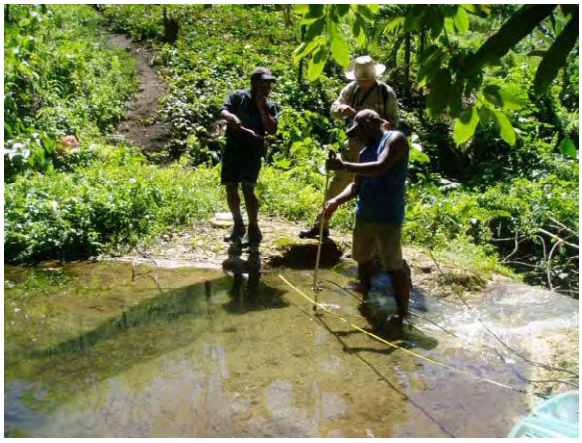
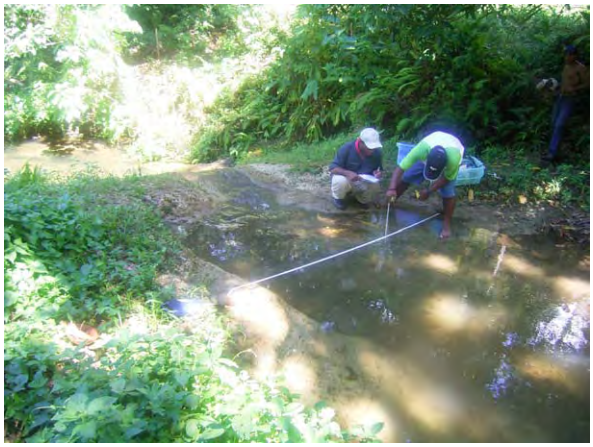
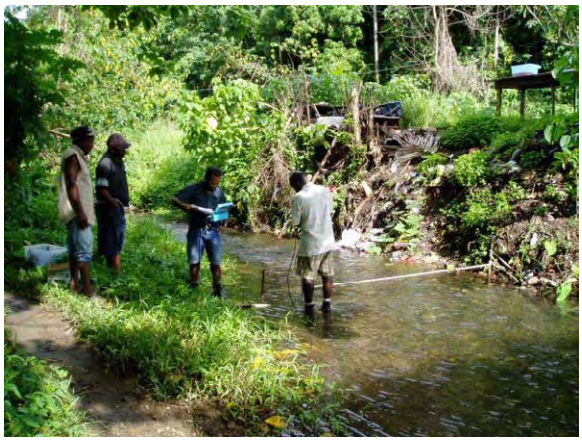
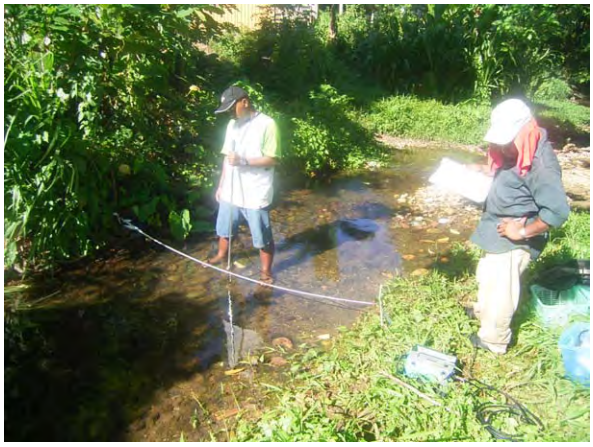
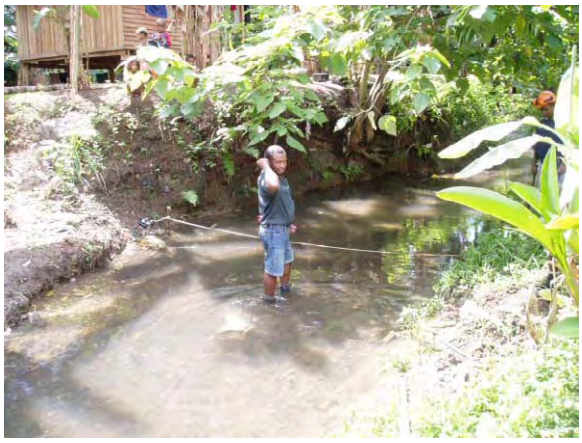
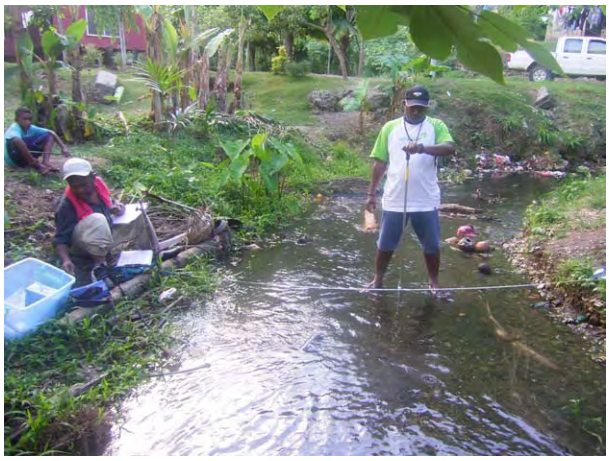
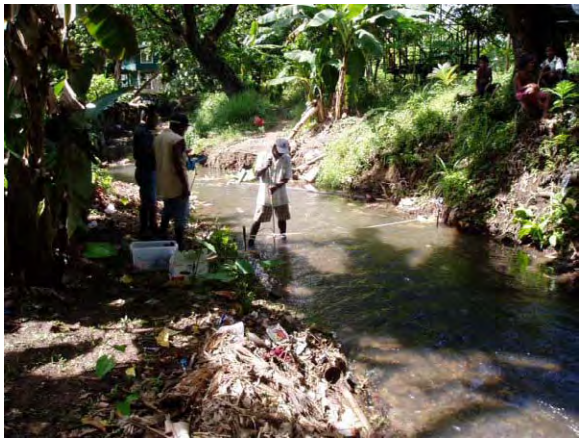
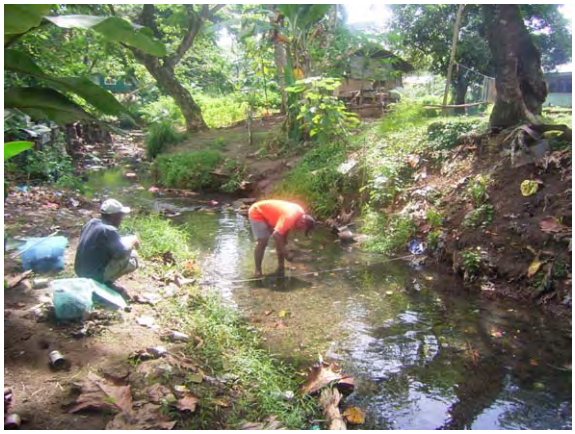
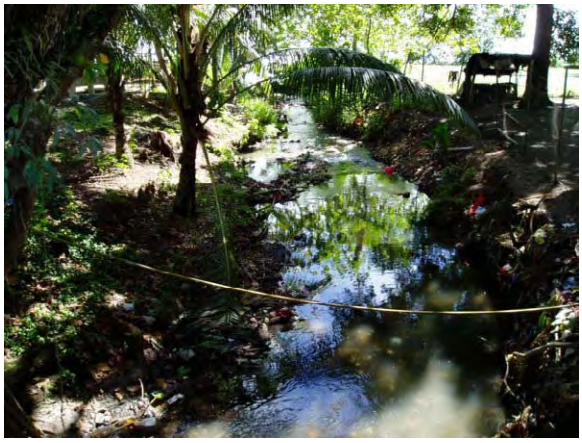
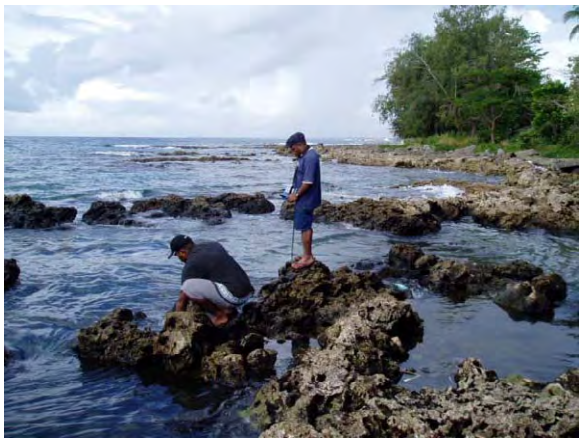
	
NO.3 middle reach of river Survey date:June.2005 **Water flow Q=0.093m^3/s** Width of river B=3.00m Maximum depth h=0.210m Maximum velocity V=0.460m/sec	**NO.3 middle reach of river** Survey date:November.2005 **Water flow Q=0.010m^3/s** Width of river B=2.70m Maximum depth h=0.375m Maximum velocity V=0.054m/sec
	
NO.4 Road Crossing point Survey date:June.2005 **Water flow Q=0.160m^3/s** Width of river B=3.10m Maximum depth h=0.330m Maximum velocity V=0.450m/sec	**NO.4 Road Crossing point** Survey date:November.2005 **Water flow Q=0.018m^3/s** Width of river B=2.50m Maximum depth h=0.205m Maximum velocity V=0.110m/sec

	
NO.5 Middle reach point Survey date:June.2005 **Water flow Q=0.124m^3/s** Width of river B=2.80m Maximum depth h=0.200m Maximum velocity V=0.580m	**NO.5 Middle reach point** Survey date:November.2005 **Water flow Q=0.022m^3/s** Width of river B=2.70m Maximum depth h=0.095m Maximum velocity V=0.214m
	
No.6 Just downstream of Bridge Survey date:June.2005 **Water flow Q=0.093m^3/s** Width of river B=3.50m Maximum depth h=0.240m Maximum velocity V=0.240m	**No.6 Just downstream of Bridge** Survey date:November.2005 **Water flow Q=0.019m^3/s** Width of river B=2.80m Maximum depth h=0.135m Maximum velocity V=0.120m

	
No.7 outlet of the river Water quality is surveyed.	**No.8 estuary of the river** Water quality is surveyed.

S-4-2-2 Rove Creek (Refer to B1. 3.2.(b))

Survey point of ROVE CREEK

Rove Creek-1

No.1 Spring water in Rove creek

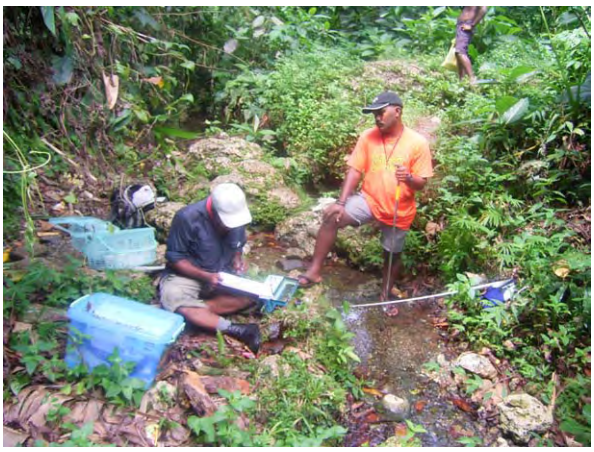
Survey date:June.2005

Q=0.015m^3/s

Width B=0.8m

Maximum depth H=0.10m

Maximum velocity V=0.353m/sec



No.1 Spring water in Rove creek

Survey date:November.2005

Q=0.0026m^3/s

Width B=0.4m

Maximum depth H=0.10m

Maximum velocity V=0.081m/sec

NO.2 Upstream of main Rove Creek

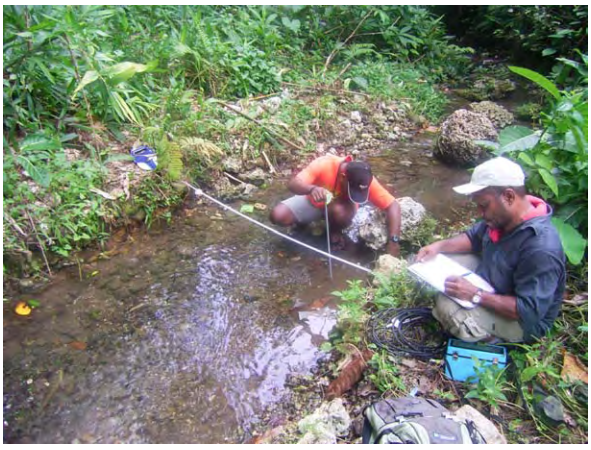
Survey date:June.2005

Q=0.036m^3/s

River width B=1.80m

Maximum depth H=0.23m

Maximum velocity V=0.300m/sec



NO.2 Upstream of main Rove Creek

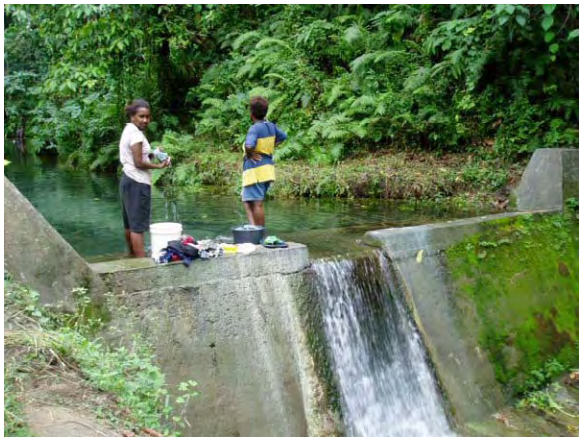
Survey date:November.2005

Q=0.005m^3/s

River width B=1.90m

Maximum depth H=0.145m

Maximum velocity V=0.046m/sec



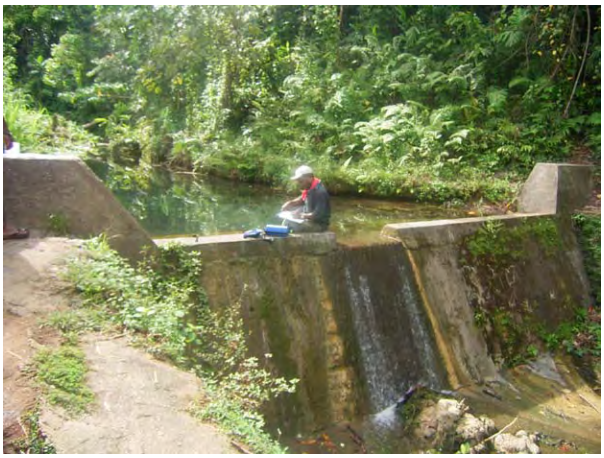
NO.3 Drop structure of Rove creek

Survey date:June.2005

Q=0.036m^3/s

Width of water way B=0.970m

Depth of water h=0.070m



NO.3 Drop structure of Rove creek

Survey date:November.2005

Q=0.0091m^3/s

Width of water way B=0.970m

Depth of water h=0.030m

NO.4 SIWA water resources of Rove Creek

Spillway of the SIWA water reservoir

Survey date:June.2005

Q=0.018m^3/s

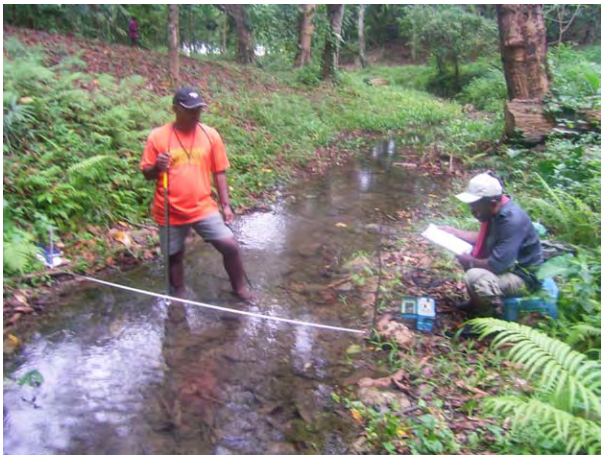
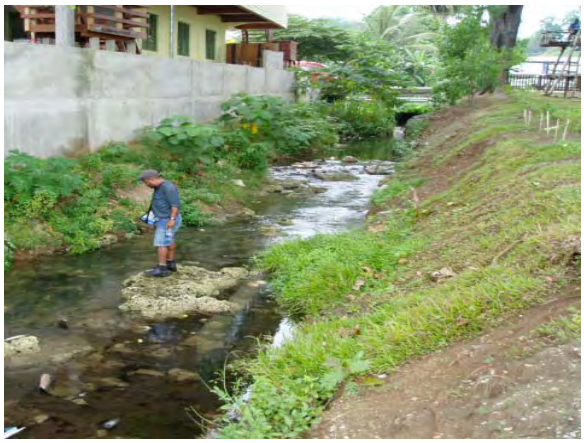
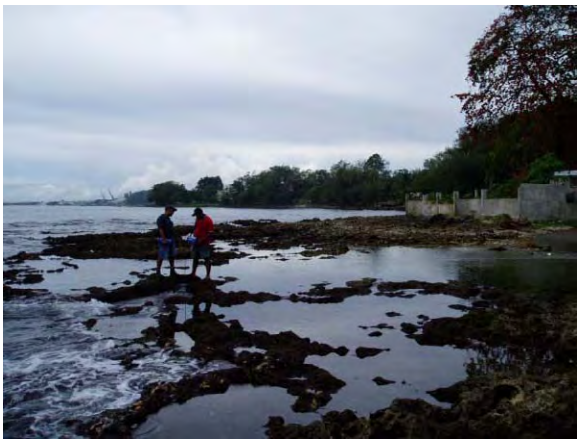
Width of spillway B=0.95m

Depth of water h=0.030m

NO.4 SIWA water resources of Rove Creek

Survey date:November.2005

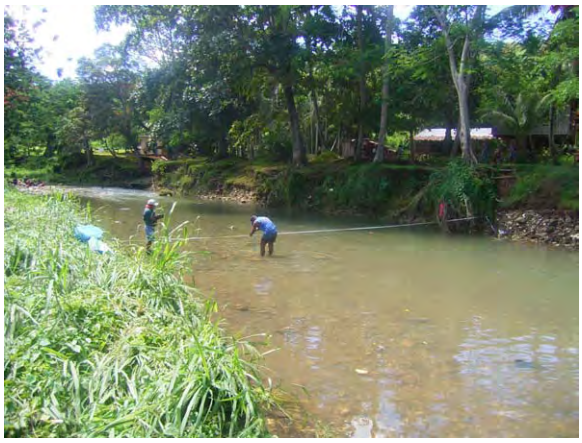
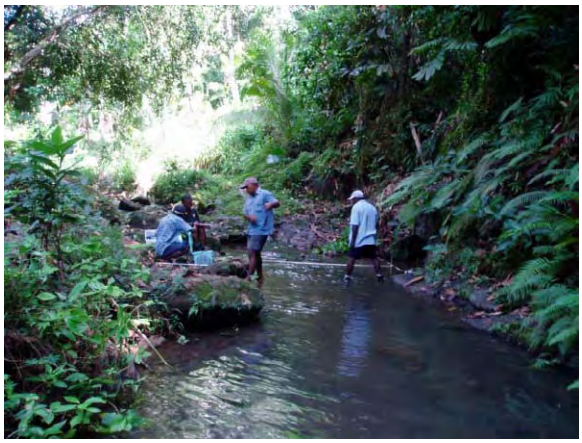
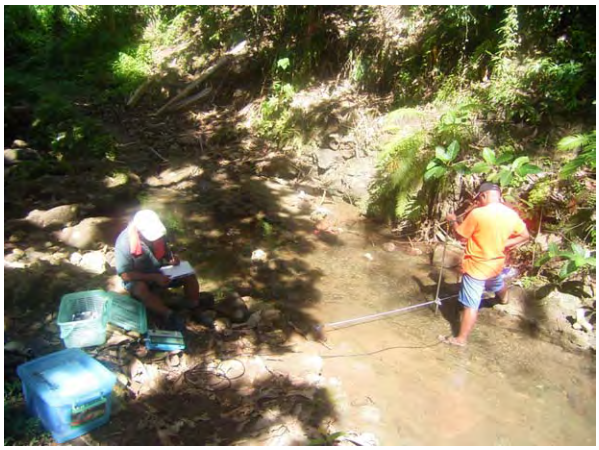
This time: no over flow

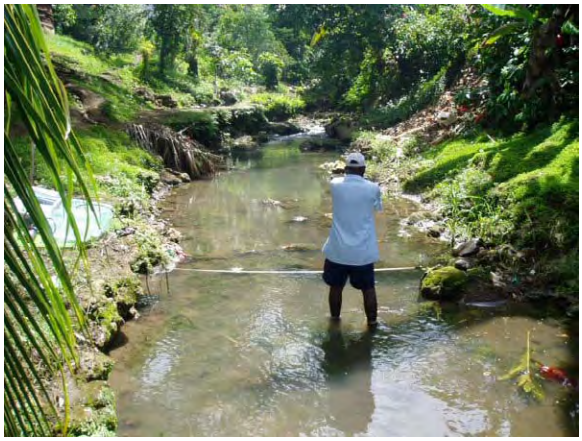
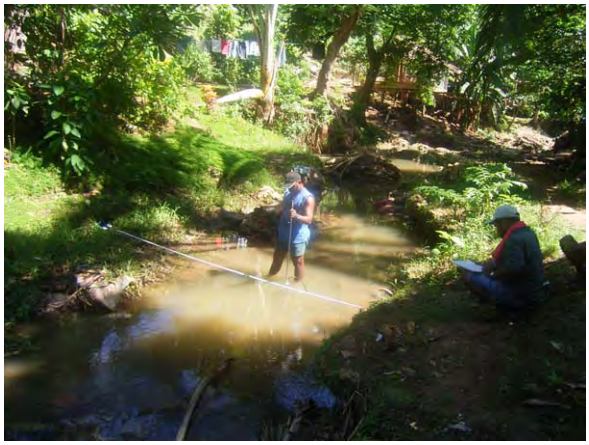
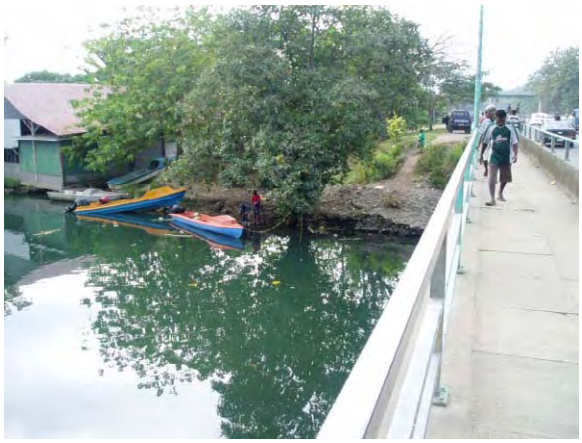
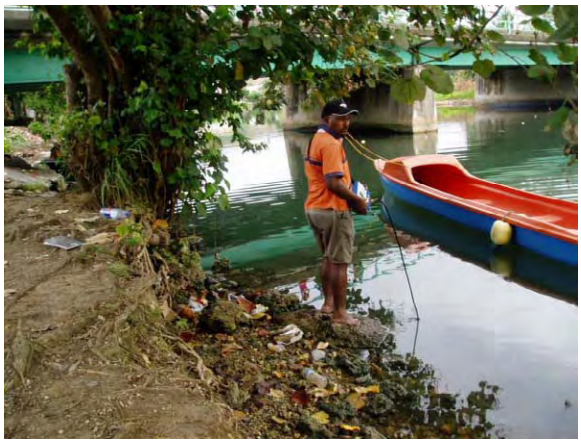
	
NO.5 Upper reach of Botanic Garden Survey date:June.2005 **Q=0.076m^3/s** Width B=1.60m Maximum depth H=0.270m Maximum velocity V=0.290m/sec	NO.5 Upper reach of Botanic Garden Survey date:June.2005 **Q=0.021m^3/s** Width B=2.10m Maximum depth H=0.300m Maximum velocity V=0.080m/sec
	
No.6 outlet of the river	No.7 estuary of the river

S-4-2-3 Mataniko River (Refer to B1. 3.2.(c))

Survey Location of Water flow and quality of MATANIKO River

Mataniko-1

	
NO.1 Main River of Mataniko River (upstream view) Survey date:June.2005 **Q=1.272m^3/s** Width B=13.6m Maximum depth H=0.68m Maximum velocity V=0.320m/sec	**NO.1 Main River of Mataniko River** (down stream view) Survey date:November.2005 **Q=1.062m^3/s** Width B=14.7m Maximum depth=0.755m Maximum velocity=0.242m/sec
	
NO.2 Left side Tributary (Upstream view) Survey date:June.2005 **Q=0.034m^3/s** Width B=2.40m Maximum depth H=0.180m Maximum velocity V=0.190m/sec	**NO.2 Left side Tributary** (downstream view) Survey date:November.2005 **Q=0.022m^3/s** Width B=2.00m Maximum depth H=0.120m Maximum velocity V=0.290m/sec

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>NO.3 Right side tributary
(Downstream view)
<u>Survey date:June.2005</u>
Q=0.055m^3/s
Width B=2.50m
Maximum depth H=0.250m
Maximum velocity V=0.230m/sec</td><td>NO.3 Right side tributary
(Upstream view)
<u>Survey date:June.2005</u>
Q=0.028m^3/s
Width B=2.70m
Maximum depth H=0.300m
Maximum velocity V=0.154m/sec</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td colspan="2">NO. 4　Main River of Mataniko River
(Mataniko bridge)</td></tr>
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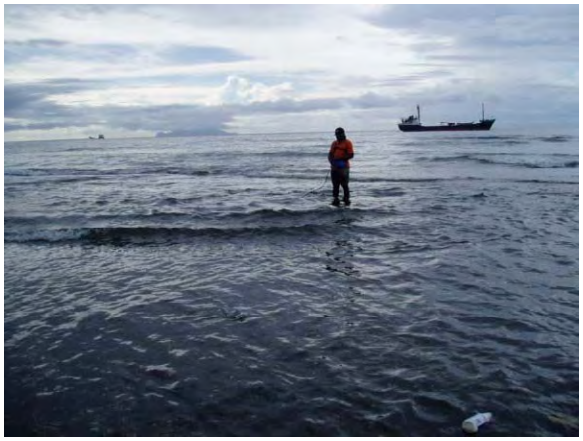
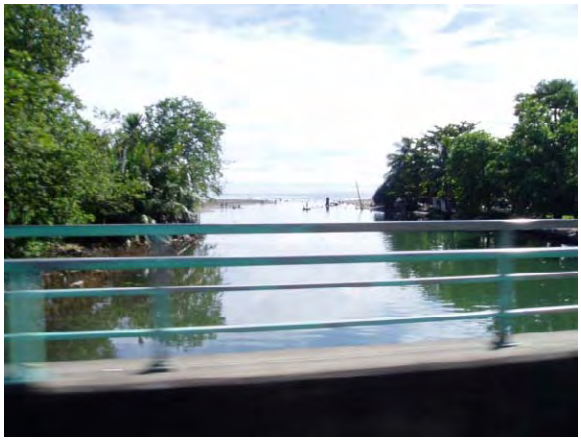
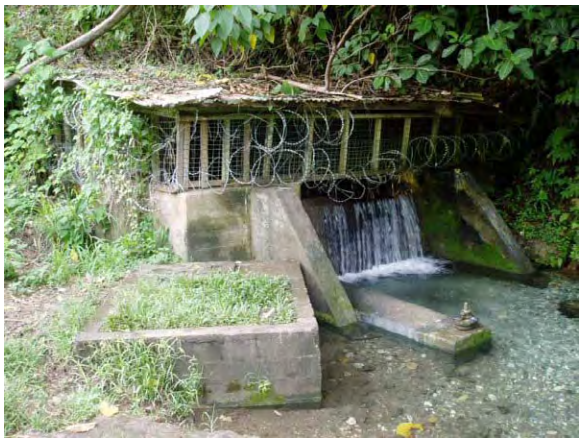
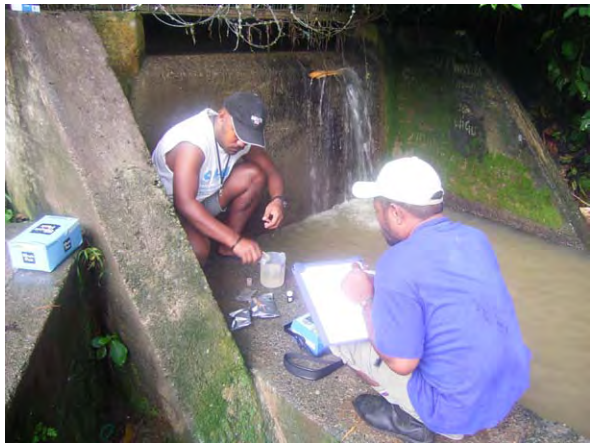
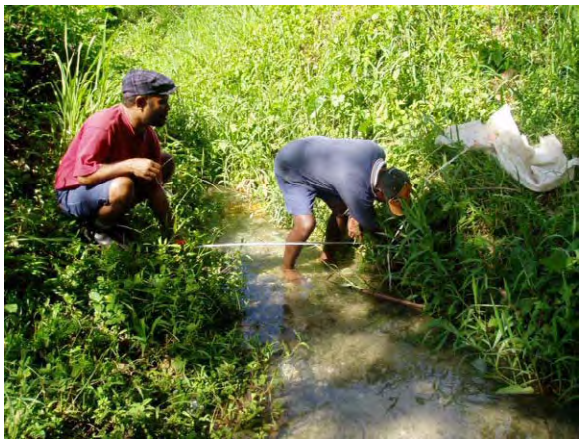
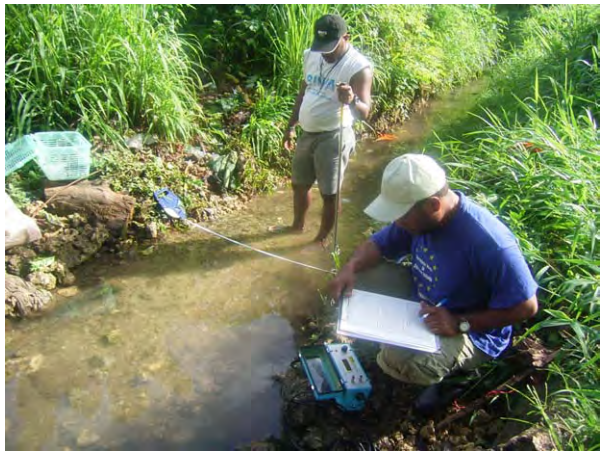
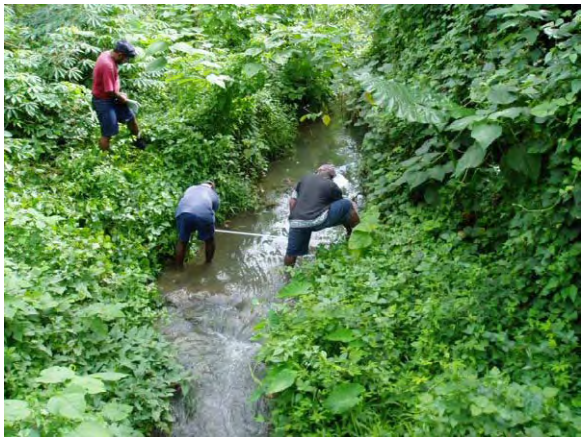
	
No.5 Estuary of Mataniko River （SEA）	

S-4-2-4 Kombito Creek (Refer to B1. 3.2.(d))

Survey location of water flow and quality of KOMBITO Area

Kombito-1

	
NO.1 SIWA WATER RESOURCES Survey Date:June.2005 **Q=0.022m^3/s** Width B=0.90m Maximum depth H =0.13m Maximum velocity V=0.430m/sec	NO.1 SIWA WATER RESOURCES Survey Date:November.2005 **Q=0.006m^3/s** Width B=0.70m Maximum depth H =0.056m Maximum velocity V=0.364m/sec
	
NO.2 Spring water(Outlet of spring water) Survey Date:June.2005 **Q=0.026m^3/s** Width B=0.940m Maximum depth H=0.150m Maximum velocity V=0.470m/sec	NO.2 Spring water(Outlet of spring water) Survey Date:November.2005 **Q=0.016m^3/s** Width B=1.400m Maximum depth H=0.115m Maximum velocity V=0.197m/sec



NO.3 Middle reach of kombito creek

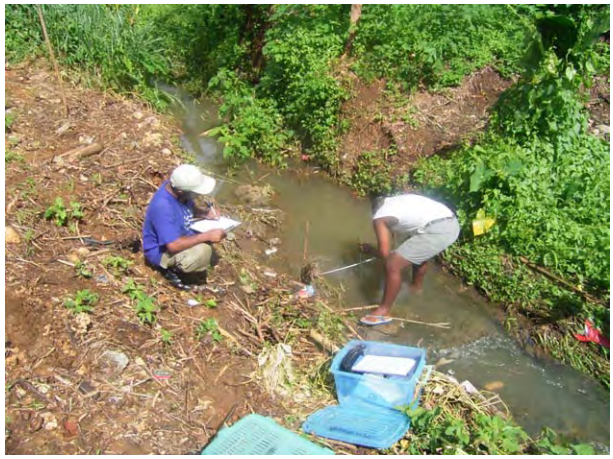
Survey Date:June.2005

Q=0.048m^3/s

Width B=1.50m

Maximum depth H=0.230m

Maximum velocity V=0.290m/sec



NO.3 Middle reach of kombito creek

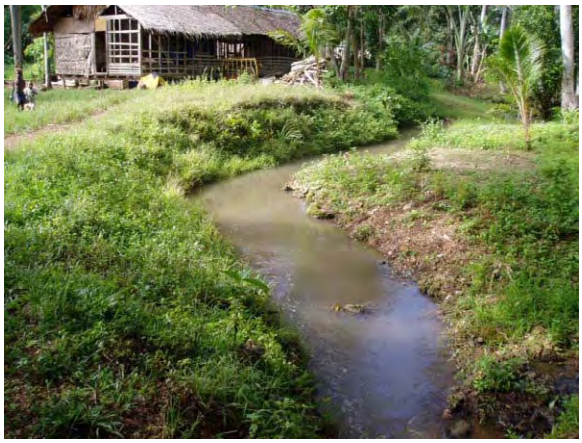
Survey Date:November.2005

Q=0.027m^3/s

Width B=1.20m

Maximum depth H=0.210m

Maximum velocity V=0.204m/sec



NO.4 Downstream of Kombito Creek

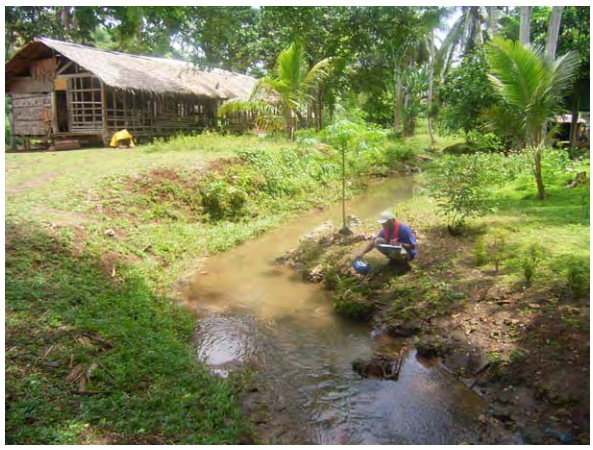
Survey Date:June.2005

Q=0.055m^3/s

Width B=2.10m

Maximum depth H =0.310m

Maximum velocity V=0.290m/sec



NO.4 Downstream of Kombito Creek

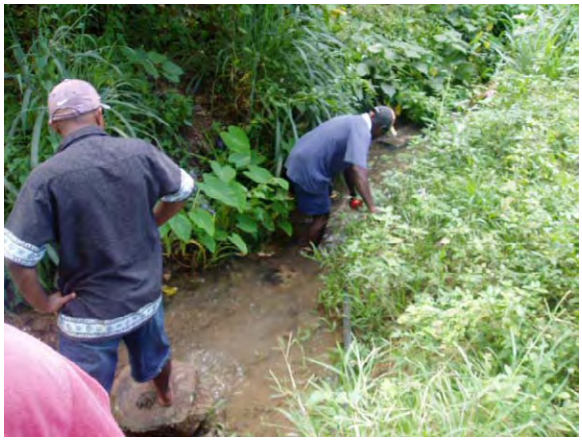
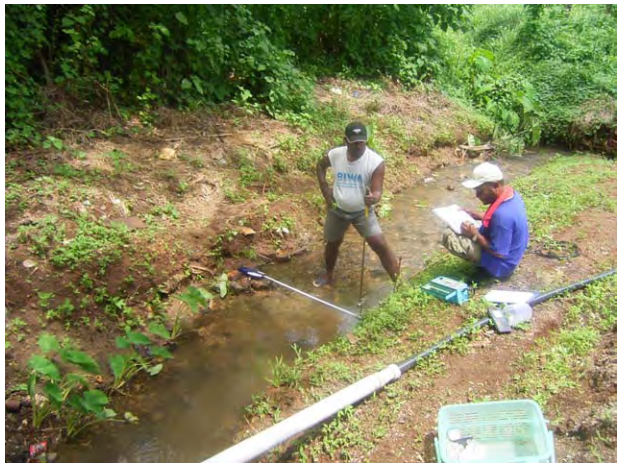
Survey Date:November.2005

Q=0.025m^3/s

Width B=1.90m

Maximum depth H =0.180m

Maximum velocity V=0.280m/sec

	
No.5 Spring water reservoir (Downstream) Survey Date:June.2005 **Q=0.015m^3/s** Width B=0.930m Maximum depth H=0.210m Maximum velocity V=0.120m/sec	No.5 Spring water reservoir (Downstream) Survey Date:November.2005 **Q=0.014m^3/s** Width B=1.10m Maximum depth H=0.150m Maximum velocity V=0.213m/sec