

## Annex 5: Process for Pilot site selection

### – Vanuatu Coastal Adaptation Project

The following process was established for the selection of sites for V-CAP. These steps were:

1. Identification of proposal for sites – as per PIF
2. Development of selection criteria
3. Identification of additional possible sites
4. Review of the sites against selection criteria - Development of a draft final list
5. Refinement based on dialogues with national, provincial and district authorities
6. Finalisation based on local level discussion

#### Step 1: Initial site proposal

The PIF dates June 2013 identified the sites in the table below. This represents:

- 5 of the 6 provinces in Vanuatu
- Sites identified for further consideration

Island (Province)	Community	CC Impacts	Major Climate Change Adaptation Measures under Output 1.2.3 (tentative)
<b>Malampa Province</b>			
Malekula	Tismam and Unua	Flooding	Road re-alignment; improvements in river crossing
Ambrym	Southeast Ambrym	Flooding	Improvements in river crossing
<b>Penama Province</b>			
Ambae,	West Ambae	Flooding; coastal erosion	Improvements in river crossing
Ambae,	East Ambae*	Flooding; coastal erosion	Re-vegetation of coastal area
Maewo	Nasawa to Marino	Flooding; sea level rise	Road re-alignment; improvement in river crossing
Pentecost	Baravet to Panngi	Flooding; sea level rise	Road re-alignment; improvement in river crossing; re-vegetation of the coastal zone
<b>Sanma Province</b>			
Santo	South Santo	Flooding; coastal erosion	Improvements in river crossing; coastal stabilization
<b>Shefa Province</b>			
Emae	Emae Island	Flooding; coastal erosion; sea level rise	Road protection through hard and soft measures
Makira	Makira	Flooding; coastal erosion; sea level rise	Protective sea wall construction
Efate	Mele to Devil's Point	Flooding; coastal erosion; sea level rise	Road re-alignment; road protection through hard and soft measures
<b>Tafea Province</b>			
Tafea Province	Futuna Is.	Flooding; coastal erosion	Raising elevation of road; re-vegetation of the coastal zone
	Aniwa Is.	Flooding; coastal erosion;	Raising elevation of road; re-vegetation of the coastal zone
<b>TORBA Province</b>			
No sites proposed			

## Step 2: Identification of criteria for site selection

Site selection was identified and refined during the inception workshop in early August 2013.

The key criteria are indicated below:

1. Coastal communities – must be strong links to the coast
2. Population big enough – not rapidly decreasing
3. VTSSP sites- linked to linear road connections – if possible
4. High dependence on coastal zones for livelihood
5. Vulnerable to CC effects- flooding, sea level rise
6. Challenges in access- health, education, economic- markets, evacuation routes
7. Incremental costs – with a baseline
8. Identified NAPA site
9. Marginalized / disadvantaged communities
10. Expansion potential / replication potential
11. Vulnerability to disasters
12. National & Provincial work plans
13. Substantial CC projects already in area- complimentary – do not want to duplicate

## Step 3: Identification of additional sites

Refining the site list:

- The initial sites under step 1 were reviewed
- Additional possible sites were identified. These were:
  - Emau
  - Epi – Shefa Province
  - Akham – Malampa Province
  - Torres Torba Province

## Step 4: Ranking of sites against criteria and tentative list developed

All participants at the workshop scored the sites against the criteria. The collate total are outlined below:

<b>1. Shefa Province</b>		
	<b>Epi</b>	<b>3.75</b>
	Efate- (Mele to Devil's Point)	3.71
	Emae	3.52
	Emau	3.45
	Makira	3.29
<b>2. Penama</b>		
	<b>East Ambae</b>	<b>4.01</b>
	<b>Pentekost</b>	<b>3.71</b>
	Maewo	3.62
	West Ambae	3.42
<b>3. Sanma</b>		
	<b>South Santo</b>	<b>3.90</b>
<b>4. Malampa</b>		
	<b>Akham-</b>	<b>3.59</b>
	Malekula- Tisman to Unua	3.48
	Southeast Ambrym	3.31
<b>5. Tafea</b>		
	<b>Aniwa</b>	<b>3.78</b>
	<b>Futuna</b>	<b>3.72</b>
<b>6. Torba</b>		
	<b>No voting- only Torres nominated.</b>	

Final sites selected at end of process are indicated as highlighted

## Step 5: Refinement based on dialogues with national, provincial and district authorities

Additional consultations were held with national level officials, provincial level officials and development partners. These include the following:

- DG of Climate Change
- Director of Environment
- Director of DLA & Ben Tabi (Community Resilience Project)
- Public Works Dept
- PMU
- Red Cross
- CARE international
- Oxfam / Consortium
- VANGO / GEF rep
- Unicef
- Shefa Province- SG
- Tafea Province- Project Officer, Councilors
- Sanma Province- SG

Essentially, the process of site selection was endorsed by the individuals / agencies. There were some suggestions of specific sites within the selected islands. In addition, opportunities for collaboration were identified.

## Step 6: Finalisation based on local level discussion

The field missions went ahead based on the proposed list above and the consultation with partner in step 5 above.

Final consultations during the field consultations lead to the changes outlined below:

### Penama

<u>East Ambae</u>	<b>4.01</b>
<u>Pentekost</u>	<b>3.71</b>
Maewo	3.62
West Ambae	3.42

The PPG mission met with the Secretary General of Penama province. He indicated that the main provincial town of Seramata was not a priority for the V-CAP project approach. As an alternative he suggested either North Ambae or Pentecost. His preference was Pentecost.

The mission went to both sites with the Provincial Planner. It was agreed with the planner *that Central Pentecost* would be the site selected for Penama Province. Due to time constraints and bad weather in November 2013, the final mission to the site was in March 2014.

### Tafea

<u>Aniwa</u>	<b>3.78</b>
<u>Futuna</u>	<b>3.72</b>

The PPG mission met with the Secretary General of Tafea Province. She indicated that working only on one island as proposed in the consultation was not recommended as the island was so small. She proposed that the project work in all island in the Province beginning in Aniwa and moving out over the project period.

The mission to Aniwa was successful, however it was also identified that the island was too small as the only site for the province. The PPG mission concurred with the suggestion of the SG to expand to the additional islands in Tafea.

## Final list

Province	Shefa	Sanma	Penama	Tafea	Malampa	Torba
Island Grouping	Epi	Santo	Pentecost	Tafea Outer islands	Malekula	Torres
Area Councils (AC)	2 Area Council • Vermali	2 Area Councils • South Santo 2	2 Area Council	5 Area Councils • Aniwa,	1 Area Council	1 Area Council

	<ul style="list-style-type: none"> <li>• Vermaul</li> </ul>	<ul style="list-style-type: none"> <li>• South Santo 1 –small portion</li> </ul>	<ul style="list-style-type: none"> <li>• Central Pentecost 2</li> <li>• Central Pentecost 1 – small portion</li> </ul>	<ul style="list-style-type: none"> <li>• Futuna</li> <li>• Aneityum</li> <li>• Erromango (2)</li> </ul>	<ul style="list-style-type: none"> <li>• South Malekula</li> </ul>	<ul style="list-style-type: none"> <li>• Torres</li> </ul>
<b>Site boundaries</b>	West coast Road from Mavilao to Rovo Bay extending to catchment	Wailapa to Asevaia extending into the upper catchment, w Araki & Tangoa islands	East Coast of CP2 AC to ridge & West Coast, Bwatnapni of CP1 AC down to “Waterfall”	4 separate islands –with 1-2 Area Councils / island	Akam Island, Farun, Okai to Maskelyne / Vao islands	All islands within Torres Group
<b>Villages / communities</b>	5 communities in 10+ villages on one island	4 communities in 7 village on 3 islands	9 communities in 18 villages on one island	4 communities in 10 villages on 4 islands	5 communities in 7 villages on 4 islands	5 communities in 10 villages on 5 islands
<b>Immediate Beneficiary</b>	1,324	893	2,897	3,741	2,489	931
<b>Additional Beneficiary</b>	4,323	6,305	3,590	-	3,152	-
<b>Total</b>	<b>5,647</b> 2,835 – male 2,812 – female	<b>7,198</b> 3,692 – male 3,506 – female	<b>6,487</b> 3,240 – male 3,247 – female	<b>3,741</b> 1,878 – male 1,863 - female	<b>5,641</b> 2,838– male 2,803– female	<b>931</b> 440 – male 491– female
<b>Major marine and coastal CCA threats</b>	<ul style="list-style-type: none"> <li>• Ecosystem degradation</li> <li>• COTs</li> <li>• Overfishing</li> </ul>	<ul style="list-style-type: none"> <li>• Ecosystem degradation</li> <li>• Water pollution</li> <li>• Overfishing</li> </ul>	<ul style="list-style-type: none"> <li>• Ecosystem degradation</li> <li>• Water pollution</li> <li>• Overfishing</li> <li>• COTS</li> </ul>	<ul style="list-style-type: none"> <li>• Ecosystem degradation</li> <li>• Overfishing</li> <li>• COTS</li> </ul>	<ul style="list-style-type: none"> <li>• Coastal erosion</li> <li>• Overfishing</li> <li>• COTS</li> <li>• MPA / CCA support</li> </ul>	<ul style="list-style-type: none"> <li>• Species management</li> <li>• Overfishing</li> <li>• MPA / CCA support</li> </ul>
<b>Major upland CCA threats</b>	<ul style="list-style-type: none"> <li>• Water supply</li> <li>• Erosion</li> <li>• Sediment run-off</li> <li>• Marine and coastal</li> <li>• Agriculture diseases</li> </ul>	<ul style="list-style-type: none"> <li>• Severe erosion</li> <li>• Upland erosion and water quality</li> <li>• Agriculture diseases</li> </ul>	<ul style="list-style-type: none"> <li>• Severe erosion</li> <li>• Upland erosion and water quality</li> <li>• Agriculture diseases</li> <li>• WASH</li> </ul>	<ul style="list-style-type: none"> <li>• Severe erosion</li> <li>• Upland erosion and water quality</li> <li>• Agriculture diseases and introduced pests</li> </ul>	<ul style="list-style-type: none"> <li>• Severe erosion</li> <li>• Water quality</li> <li>• Agriculture diseases</li> <li>• Increasing population / re-location</li> </ul>	<ul style="list-style-type: none"> <li>• Upland erosion and water quality</li> <li>• Agriculture diseases</li> <li>• Alien species / pests</li> </ul>
<b>Major investments for infrastructure</b>	<ul style="list-style-type: none"> <li>• Roads</li> <li>• Bridges</li> <li>• Water crossings</li> <li>• Water supply and WASH</li> </ul>	<ul style="list-style-type: none"> <li>• Pedestrian crossings on major roads</li> </ul>	<ul style="list-style-type: none"> <li>• Road rehabilitation</li> <li>• Major rehabilitation of walking tracks</li> </ul>	<ul style="list-style-type: none"> <li>• Climate proofing of walking tracks</li> </ul>	<ul style="list-style-type: none"> <li>• Rehabilitation of road linkage from main road o Okai</li> </ul>	<ul style="list-style-type: none"> <li>• Water catchment needed</li> </ul>