

**Table 1 : Samoa Land Cover by Island 2014 (ha) <sup>1,2</sup>**

	Aleipata islands	Apolima	Manono	Nuusafee	Savaii	Upolu	Samoa	% of Samoa Land Area
Barren Land	-	13.02	-	-	3,161.10	100.04	3,274.16	<b>1.15</b>
Built up areas	-	2.74	38.37	-	2,772.05	5,754.23	8,567.39	<b>3.03</b>
Closed Forest	72.20	-	-	-	-	-	72.20	<b>0.03</b>
Medium Forest	32.93	-	-	-	69,237.12	498.03	69,768.08	<b>24.64</b>
Open Forest	12.57	-	-	-	22,915.86	30,742.99	53,671.42	<b>18.95</b>
Plantation Forest	-	-	-	-	4,549.25	493.68	5,042.93	<b>1.78</b>
Secondary Forest	-	-	105.57	-	17,254.55	18,782.28	36,142.40	<b>12.76</b>
Grassland	2.85	-	-	-	6,527.73	8,793.88	15,324.46	<b>5.41</b>
Infrastructure	-	-	-	-	34.07	233.17	267.24	<b>0.09</b>
Lakes	-	-	-	-	16.06	224.85	240.91	<b>0.09</b>
Mangroves	-	-	-	-	27.49	324.37	351.86	<b>0.12</b>
Mixed Crops	1.41	21.31	81.40	-	5,401.18	12,240.94	17,746.24	<b>6.27</b>
Plantation	10.66	21.76	62.85	-	26,125.62	26,623.66	52,844.55	<b>18.66</b>
Rivers	-	-	-	-	20.52	55.64	76.16	<b>0.03</b>
Scrub	15.87	39.70	3.02	1.54	12,033.27	7,267.26	19,360.66	<b>6.84</b>
Wetland	-	0.60	-	-	124.29	294.32	419.21	<b>0.15</b>
<b>Samoa</b>	<b>148.49</b>	<b>99.13</b>	<b>291.21</b>	<b>1.54</b>	<b>170,200.16</b>	<b>112,429.34</b>	<b>283,169.87</b>	<b>100</b>

Source: Forestry Division, MNRE

Note:1 Data based on National Forestry Inventory (NFI) report 2014

2: The 2014 NFI provided a total land area of 283,169.83 ha based from the total areas of the different land cover. This figure is not equivalent with the current total land area for Samoa (284,123 ha - from the 1999 aerial photograph) provided by the Technical Division, MNRE because of the time period of the data provided by the two Divisions. There is a possibility that Samoa's land area decreases or increases if an update of the total land area of Samoa is to be conducted by the main source of this information; Technical Division, MNRE. Therefore, the two figures are relevant and are appropriate for use.

**Table 2: Samoa Land Cover by Island 2004 (ha) <sup>1</sup>**

	Aleipata Islands	Apolima	Manono	Nuusafee	Savaii	Upolu	Grand Total	% of Samoa Land Area
Barren Land	0.37	-	-	-	1958.55	29.84	1988.76	<b>0.70</b>
Built up areas	-	3.48	29.44	-	1745.13	5219.64	6997.69	<b>2.47</b>
Closed Forest	80.86	-	-	-	-	-	80.86	<b>0.03</b>
Medium Forest	8.6	-	-	-	71862.75	400.42	72271.77	<b>25.52</b>
Open Forest	23.71	-	-	-	22164.52	32894.03	55082.26	<b>19.45</b>
Plantation Forest	-	-	-	-	3782.98	1299.27	5082.25	<b>1.79</b>
Secondary Forest	-	23.81	53.53	-	19709.7	17210.88	36997.92	<b>13.07</b>
Grassland	-	1.97	-	-	5171.97	12245.61	17419.55	<b>6.15</b>
Infrastructure	-	-	-	-	31.08	428.29	459.37	<b>0.16</b>
Lakes	-	-	-	-	15.99	201.49	217.48	<b>0.08</b>
Mangroves	-	-	-	-	13.72	339.68	353.4	<b>0.12</b>
Mixed Crops	-	5.86	52.74	-	2453.45	7667.5	10179.55	<b>3.59</b>
Plantation	4.78	30.06	147.93	1.4	26029.91	26631.32	52845.4	<b>18.66</b>
Rivers	-	-	-	-	22.16	41.65	63.81	<b>0.02</b>
Scrub	15.32	29.66	-	-	14914.67	6958.11	21917.76	<b>7.74</b>
Wetland	-	-	-	-	146.75	593.87	740.62	<b>0.26</b>
(blank) <sup>2</sup>	14.85	4.29	7.57	0.14	176.83	267.74	471.42	<b>0.17</b>
<b>Samoa</b>	<b>148.49</b>	<b>99.13</b>	<b>291.21</b>	<b>1.54</b>	<b>170200.16</b>	<b>112429.34</b>	<b>283169.87</b>	<b>100</b>

Source: Forestry Division, MNRE

Note 1: Data based on National Forestry Inventory report 2004

2: Blank areas refer to area that could not be identified due to cloud coverage

**Table 3 : Forest Types Area in hectares (ha) <sup>1</sup>**

Forest Type	Upolu				Savaii				Samoa			
	Upland Habitats	Lowland Habitats	Coastal Habitats	Total Upolu	Upland Habitats	Lowland Habitats	Coastal Habitats	Total Savaii	Upland Habitats	Lowland Habitats	Coastal Habitats	Total Samoa
Native Forest	-	-	-	-	49,038	146	-	<b>49,184</b>	49,038	146	-	<b>49,184</b>
Non Native Forest	11,489	73,460	22,086	<b>107,035</b>	4,732	80,784	34,596	<b>120,112</b>	16,221	154,244	56,682	<b>227,147</b>
<b>Total Forest Types Cover</b>	<b>11,489</b>	<b>73,460</b>	<b>22,086</b>	<b>107,035</b>	<b>53,770</b>	<b>80,930</b>	<b>34,596</b>	<b>169,296</b>	<b>65,259</b>	<b>154,390</b>	<b>56,682</b>	<b>276,331</b>
Non Forested Area	121	200	5,644	<b>5,965</b>	-	-	1,804	<b>1,804</b>	121	200	7,448	<b>7,769</b>
Total Land Area <sup>2</sup>	11,610	73,660	27,730	<b>113,000</b>	53,770	80,930	36,400	<b>171,100</b>	65,380	154,590	64,130	<b>284,100</b>
<b>Forest Cover as of Is Area (%)</b>	<b>10</b>	<b>65</b>	<b>20</b>	<b>95</b>	<b>31</b>	<b>47</b>	<b>20</b>	<b>99</b>	<b>23</b>	<b>54</b>	<b>20</b>	<b>97</b>

Source: MNRE

Note 1: Data based on State of Environment Report (SOE) 2013

2: According to the Technical Division (MNRE), the current total land area for Samoa is 284,123 ha (2,841 square kilometers) based on the latest information they have which is the 1999 aerial photograph. Technical Division is the main source of this information hence the SamFRIS under the Forestry Division cannot change this figure but has provided data on land cover as classified in Forest Cover table based on the 2014 NFI.

**Table 4 : Historical Forest Cover in Samoa (%)**

<b>Year</b>	<b>Upolu</b>	<b>Savaii</b>	<b>Samoa</b>
<b>1954</b>	65	79	<b>74</b>
<b>1977</b>	44	61	<b>54</b>
<b>1987</b>	43	63	<b>55</b>
<b>1990</b> <sup>1</sup>	25	50	<b>40</b>
<b>1999</b>	46	69	<b>60</b>
<b>2004</b> <sup>2</sup>	46	69	<b>60</b>
<b>2013</b> <sup>3</sup>	40	18	<b>58</b>

Source: Forestry Division, MNRE

Note 1: Figures dropped due to an increase in forest clearance from 1977 to 1999 at a rate of 3% per year; and damages from Cyclone Ofa

2: Data based on 1999 aerial photo with 2004 ground truthing

3: Data based on National Forestry Inventory report from 2014 NFI Survey