



Food and Agriculture
Organization of the
United Nations

Global Forest Resources Assessment 2020

Report

Samoa

Rome, 2020



FAO has been monitoring the world's forests at 5 to 10 year intervals since 1946. The Global Forest Resources Assessments (FRA) are now produced every five years in an attempt to provide a consistent approach to describing the world's forests and how they are changing. The FRA is a country-driven process and the assessments are based on reports prepared by officially nominated National Correspondents. If a report is not available, the FRA Secretariat prepares a desk study using earlier reports, existing information and/or remote sensing based analysis.

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Introduction

Report preparation and contact persons

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Introductory text

Place an introductory text on the content of this report

1 Forest extent, characteristics and changes

1a Extent of forest and other wooded land

National data

Data sources

2004	References	SamFRIS 2004 ; Forestry Division, Ministry of Natural Resources & Environment (MNRE), Samoa
	Methods used	National Forest Inventory
	Additional comments	Funding assistance from FAO - ground/field survey conducted in 2003 using 1999 and report published in 2004

2014	References	SamFRIS 2014: Forestry Division, Ministry of Natural Resources & Environment (MNRE)
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Classifications and definitions

2004	National class	Definition
	Mangrove Forest M	Low-lying coastal areas inundated by saline or brackish water and containing mangrove vegetation, dominated by either Bruguiera or Rhizophora tree spp.
	Closed Forest FC	Forest formations with various storeys and total crown coverage of more than 65 - 70%. Includes primary forests as well as forests in an advanced status of reconstitution after logging, farming or other natural causes (fire, cyclone, etc.) (apparently) undisturbed, logged over, formerly cultivated, windfall, other natural causes, swampy
	Medium Dense Forest FM	Medium dense forest formations with discontinuous tree layer with one or more storeys and with a crown coverage of more than 40% and less than 65 - 70%. (apparently) undisturbed, logged over, formerly cultivated, windfall, other natural causes, swampy, Merremia vines, presence of secondary spp. (eg Albizzia)
	Open Forest FO	Forest formations with a discontinuous tree layer but with a crown coverage of at least 10% and less than 40%. Includes highly degraded and depleted forest due to recent logging, farming or natural disasters (storms, fire, etc.) (apparently) undisturbed, logged over, formerly cultivated, windfall, other natural causes, swampy, Merremia vines, presence of secondary spp. (eg Albizzia)
	Secondary Forest FS	Secondary forest formations after clearing by man (agriculture, logging), wind, fire or other. Tree remnants and juvenile regeneration may be covered by climbing/creeping vines (Merremia and Mikania). Albizzia (tamaligi), logged over, formerly cultivated, windfall, burnt land, other natural causes, Merremia vines, presence of scattered coconut trees, presence of mixed crops (eg. bananas, taamu, taro, breadfruit etc), presence of remnant, vegetation of primary forest species
	Forest Plantation FP	Man-made forest stands established by planting and/or seeding.
	Scrub SC	

		Areas with dominance of woody perennial shrubs of less than 5-7m height and without a definite crown. ground ferns, littoral scrub; native shrubby vegetation occurring on the seaward side of coastal forests; dominated by dwarf shrubs up to 2-3m height, hibiscus, tree ferns, volcanic lava flow, burnt land
	Plantations P	Permanent agricultural installations, mostly tree crops or continued / repeated planting of e.g. coconuts or banana (agro-industrial). coconut, coconut with livestock production, coffee / cocoa, banana, coconut mixed with other crops , coconuts overgrown with secondary species
	Mixed Crops MC	Land currently and recently cultivated with a mixture of herbaceous and tree crops such as root crops, taro, yam, cassava, breadfruit etc . This includes areas of current cropping and adjacent areas recently abandoned and now overgrown with secondary shrub and tree species. coconut coconuts overgrown with secondary species
	Grass land G	Open land dominated by herbaceous or grassy vegetation but often with scattered trees ground ferns, marsh wetland with predominantly herbaceous vegetation covering flat areas of soil saturated with freshwater (inland craters) or brackish water (coastal marshes). livestock production, presence of mixed crops (eg. bananas, taamu, taro, breadfruit etc), presence of secondary species, presence of tree ferns
	Barren land B	All land lacking any vegetation cover; except for infrastructure and built-up areas. rocky, sandy (incl. beaches), quarry site, burnt land, volcanic lava flow
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	Infrastructure I	All roads (hard surfaced or loose) and infrastructure related facilities (e.g. airports / airstrips, ports, wharves, sports compounds etc.) wharf, Sports compound, airport, logging mill
	Wetlands	Areas of wetlands (ss- mangroves, marshes, swamps)
	Rivers	Major rivers and creeks
	Lakes	Lakes and water bodies
	Blank	Areas unknown

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	Forest Plantation FP	Man-made forest stands established by planting and/or seeding.
	Scrub SC	Areas with dominance of woody perennial shrubs of less than 5-7m height and without a definite crown. ground ferns, littoral scrub; native shrubby vegetation occurring on the seaward side of coastal forests; dominated by dwarf shrubs up to 2-3m height, hibiscus, tree ferns, volcanic lava flow, burnt land
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	Wetlands	Areas of wetlands (ss- mangroves, marshes, swamps)
	Rivers	Major rivers and creeks
	Lakes	Lakes and water bodies

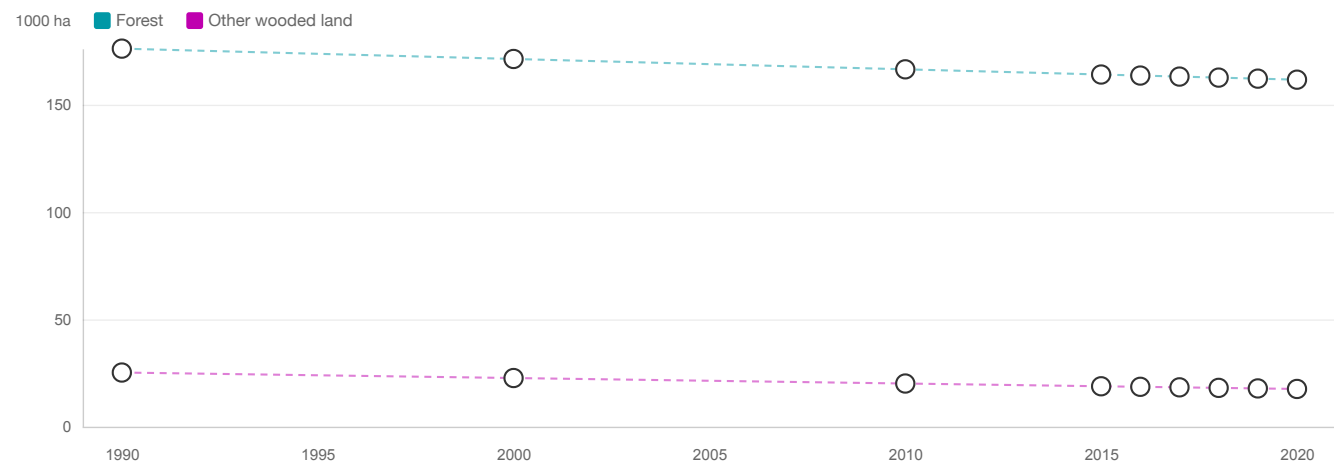
Original data and reclassification

2004	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Mangrove Forest M	0.35	100.00 %	0.00 %	0.00 %

	Closed Forest FC	0.08	100.00 %	0.00 %	0.00 %
	Medium Dense Forest FM	72.27	100.00 %	0.00 %	0.00 %
	Open Forest FO	55.08	100.00 %	0.00 %	0.00 %
	Secondary Forest FS	37.00	100.00 %	0.00 %	0.00 %
	Forest Plantation FP	5.08	100.00 %	0.00 %	0.00 %
	Scrub SC	21.92	0.00 %	100.00 %	0.00 %
	Plantations P	52.85	0.00 %	0.00 %	100.00 %
	Mixed Crops MC	10.18	0.00 %	0.00 %	100.00 %
	Grass land G	17.42	0.00 %	0.00 %	100.00 %
	Barren land B	1.99	0.00 %	0.00 %	100.00 %
	Built-Up area BU	7.00	0.00 %	0.00 %	100.00 %
	Infrastructure I	0.46	0.00 %	0.00 %	100.00 %
	Wetlands	0.74	0.00 %	0.00 %	100.00 %
	Rivers	0.06	0.00 %	0.00 %	100.00 %
	Lakes	0.22	0.00 %	0.00 %	100.00 %
	Blank	0.47	0.00 %	0.00 %	100.00 %
	Total	283.17	169.86	21.92	91.39

2014	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Mangrove Forest M	0.35	100.00 %	0.00 %	0.00 %
	Closed Forest FC	0.07	100.00 %	0.00 %	0.00 %
	Medium Dense Forest FM	69.77	100.00 %	0.00 %	0.00 %
	Open Forest FO	53.67	100.00 %	0.00 %	0.00 %
	Secondary Forest FS	36.14	100.00 %	0.00 %	0.00 %
	Forest Plantation FP	5.04	100.00 %	0.00 %	0.00 %

	Scrub SC	19.36	0.00 %	100.00 %	0.00 %
	Plantations P	52.84	0.00 %	0.00 %	100.00 %
	Mixed Crops MC	17.75	0.00 %	0.00 %	100.00 %
	Grass land G	15.32	0.00 %	0.00 %	100.00 %
	Barren land B	3.27	0.00 %	0.00 %	100.00 %
	Built-Up area BU	8.57	0.00 %	0.00 %	100.00 %
	Infrastructure I	0.27	0.00 %	0.00 %	100.00 %
	Wetlands	0.42	0.00 %	0.00 %	100.00 %
	Rivers	0.08	0.00 %	0.00 %	100.00 %
	Lakes	0.24	0.00 %	0.00 %	100.00 %
	Total	283.16	165.04	19.36	98.76



FRA categories	Area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Forest (a)	176.13	171.31	166.49	164.07	163.59	163.11	162.63	162.15	161.67
Other wooded land (a)	25.25	22.69	20.13	18.85	18.60	18.35	18.10	17.85	17.60
Other land (c-a-b)	81.62	89.00	96.38	100.08	100.81	101.54	102.27	103.00	103.73
Total land area (c)	283.00	283.00	283.00	283.00	283.00	283.00	283.00	283.00	283.00

The FAOSTAT land area figure for the year 2015 is used for all reference years

Climatic domain	% of forest area 2015	Override value
Boreal	0.00	
Temperate	0.00	
Sub-tropical	0.00	
Tropical	100.00	

Comments

The reason why the forest area estimates are slightly different from FRA 2015 is that new data is available.

1b Forest characteristics

National data

Data sources

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FRA 2020 report, Samoa

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Original data and reclassification

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	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Mangrove Forest M	0.35	100.00 %	0.00 %	0.00 %

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	Medium Dense Forest FM	72.27	100.00 %	0.00 %	0.00 %
	Open Forest FO	55.08	100.00 %	0.00 %	0.00 %
	Secondary Forest FS	37.00	100.00 %	0.00 %	0.00 %
	Forest Plantation FP	5.08	0.00 %	70.00 %	30.00 %
	Total	169.86	164.78	3.56	1.52

Plantation forest	Area (1000 ha)	...of which introduced
Forest Plantation FP	3.56	%
Total	3.56	—

2014	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Mangrove Forest M	0.35	100.00 %	0.00 %	0.00 %
	Closed Forest FC	0.07	100.00 %	0.00 %	0.00 %
	Medium Dense Forest FM	69.77	100.00 %	0.00 %	0.00 %
	Open Forest FO	53.67	100.00 %	0.00 %	0.00 %
	Secondary Forest FS	36.14	100.00 %	0.00 %	0.00 %
	Forest Plantation FP	5.04	0.00 %	80.00 %	20.00 %
	Total	165.04	160.00	4.03	1.01

Plantation forest	Area (1000 ha)	...of which introduced
Forest Plantation FP	4.03	%
Total	4.03	—



FRA categories	Forest area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest (a)	170.99	166.21	161.43	159.05	158.58	158.11	157.64	157.17	156.70
Planted forest (b)	5.13	5.09	5.05	5.04	5.04	5.04	5.04	5.04	5.04
Plantation forest	2.94	3.41	3.89	4.13	4.18	4.23	4.28	4.33	4.38
...of which introduced species									
Other planted forest	2.19	1.68	1.16	0.91	0.86	0.81	0.76	0.71	0.66
Total (a+b)	176.12	171.30	166.48	164.09	163.62	163.15	162.68	162.21	161.74
Total forest area	176.13	171.31	166.49	164.07	163.59	163.11	162.63	162.15	161.67

Comments

1c Primary forest and special forest categories

National Data

Data sources + type of data source eg NFI, etc

Data sources for mangroves: SamFRIS National forest inventories 2004 and 2014

National classification and definitions

-

Original data

-

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha)				
	1990	2000	2010	2015	2020
Primary forest					
Temporarily unstocked and/or recently regenerated	0.00	0.00	0.00	0.00	0.00
Bamboos	0.00	0.00	0.00	0.00	0.00
Mangroves	0.36	0.35	0.35	0.35	0.35
Rubber wood	0.00	0.00	0.00	0.00	0.00

Comments

1d Annual forest expansion, deforestation and net change

National Data

Data sources + type of data source eg NFI, etc

SamFRIS, Forestry Division, Ministry of Natural Resources & Environment (MNRE), Samoa

National classification and definitions

FAO classifications

Original data

SamFRIS, Forestry Division, Ministry of Natural Resources & Environment (MNRE), Samoa.

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha/year)			
	1990-2000	2000-2010	2010-2015	2015-2020
Forest expansion (a)				
...of which afforestation				
...of which natural expansion				
Deforestation (b)				
Forest area net change (a-b)	-0.48	-0.48	-0.48	-0.48

Comments

Available national statistics are the following for the period 2000-2010, forest expansion 2300 ha/year of which 1800 afforestation. however that does not match the reported data in table 1b and for this reason this table is left blank.

1e Annual reforestation

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha/year)			
	1990-2000	2000-2010	2010-2015	2015-2020
Reforestation				

Comments

1f Other land with tree cover

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha)				
	1990	2000	2010	2015	2020
Palms (a)					
Tree orchards (b)					
Agroforestry (c)					
Trees in urban settings (d)					
Other (specify in comments) (e)					
Total (a+b+c+d+e)	–	–	–	–	–
Other land area	81.62	89.00	96.38	100.08	103.73

Comments

2 Forest growing stock, biomass and carbon

2a Growing stock

National Data

Data sources + type of data source eg NFI, etc

SamFRIS 2003 ; Forestry Division, Ministry of Natural Resources & Environment (MNRE), Samoa

National classification and definitions

-

Original data

volume	> 40 cm Dbh	30 - 40 cm Dbh	20 - 30 cm Dbh	10 - 20 cm Dbh	Total
medium forest	42.3 m³	8.7 m³	9.6 m³	12.3 m³	72.9
open forest	29,4 m³	8.4 m³	9.0 m³	12,3 m³	59.1
secondary forest	30,9 m³	6.6 m³	8.3 m³	16.5 m³	62.3

Analysis and processing of national data

Estimation and forecasting

Average volume has been assumed constant and used to estimate volume for all reporting years. The volume of planted forest has been calculated using the share planted/naturally regenerated forest from table 1b (planted forest=3% of the total growing stock).

Average volume for total forest= 65.89m3/ha

Planted forest volume= 63.95 m3/ha

Naturally regenerating forest volume= 63.75 m3/ha

Reclassification into FRA 2020 categories

-

FRA categories	Growing stock m³/ha (over bark)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest	63.75	63.75	63.75	63.75	63.75	63.75	63.75	63.75	63.75
Planted forest	63.95	63.95	63.95	63.95	63.95	63.95	63.95	63.95	63.95
...of which plantation forest									
...of which other planted forest									
Forest	65.89	65.89	65.89	65.89	65.89	65.89	65.89	65.89	65.89
Other wooded land									

FRA categories	Total growing stock (million m³ over bark)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest	10.90	10.60	10.29	10.14	10.11	10.08	10.05	10.02	9.99
Planted forest	0.33	0.33	0.32	0.32	0.32	0.32	0.32	0.32	0.32
...of which plantation forest									
...of which other planted forest									
Forest	11.61	11.29	10.97	10.81	10.78	10.75	10.72	10.68	10.65
Other wooded land									

Comments

2b Growing stock composition

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Scientific name	Common name	Growing stock in forest (million m³ over bark)				
			1990	2000	2010	2015	2020
Native tree species							
#1 Ranked in terms of volume							
#2 Ranked in terms of volume							
#3 Ranked in terms of volume							
#4 Ranked in terms of volume							
#5 Ranked in terms of volume							
#6 Ranked in terms of volume							
#7 Ranked in terms of volume							
#8 Ranked in terms of volume							
#9 Ranked in terms of volume							
#10 Ranked in terms of volume							
Remaining native tree species							
Total volume of native tree species			–	–	–	–	–
Introduced tree species							
#1 Ranked in terms of volume							
#2 Ranked in terms of volume							
#3 Ranked in terms of volume							
#4 Ranked in terms of volume							
#5 Ranked in terms of volume							
Remaining introduced tree species							
Total volume of introduced tree species			–	–	–	–	–
Total growing stock			–	–	–	–	–

Comments

2c Biomass stock

National Data

Data sources + type of data source eg NFI, etc

SamFRIS 2003 ; Forestry Division, Ministry of Natural Resources & Environment (MNRE), Samoa

National classification and definitions

-

Original data

No national data, the Biomass calculator has been used.

Analysis and processing of national data

Estimation and forecasting

Insert the percentages of Growing stock by IPCC forest type for each of the FRA forest categories									
IPCC forest types	FRA forest categories								
	Naturally regenerating forest	Plantation forest	Other planted forest						
	% of Growing stock								
Broadleaved humid	100%	100%	100%						
Broadleaved dry	0%	0%	0%						
Coniferous	0%	0%	0%						
	100%	100%	100%	Must add up to 100%					
Insert Carbon fraction used by country (IPCC default = 0.47)									
Carbon Fraction	47%								
Biomass conversion and expansion factors (BCEF)									
Naturally regenerating forest	1990	2000	2010	2015	2016	2017	2018	2019	2020
Broadleaved humid	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
Broadleaved dry	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
Coniferous	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80

Plantation forest									
Broadleaved humid									
Broadleaved dry									
Coniferous									
Other planted forest									
Broadleaved humid									
Broadleaved dry									
Coniferous									
Weighted BCEF									
Naturally regenerating forest	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
Plantation forest									
Other planted forest									
Root-shoot ratios									
Naturally regenerating forest	1990	2000	2010	2015	2016	2017	2018	2019	2020
Broadleaved humid	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Broadleaved dry	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Coniferous	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
Plantation forest									
Broadleaved humid									
Broadleaved dry									
Coniferous									
Other planted forest									
Broadleaved humid									
Broadleaved dry									
Coniferous									
Weighted RS ratio									
Naturally regenerating forest	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Plantation forest									
Other planted forest									

Above-ground biomass (t/ha)									
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest	108.38	108.38	108.38	108.38	108.38	108.38	108.38	108.38	108.38
Plantation forest									
Other planted forest									
Total	105.22	105.15	105.09	105.05	105.04	105.03	105.02	105.01	105.00
Below-ground biomass (t/ha)									
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest	21.68	21.68	21.68	21.68	21.68	21.68	21.68	21.68	21.68
Plantation forest									
Other planted forest									
Total	21.04	21.03	21.02	21.01	21.01	21.01	21.00	21.00	21.00

Reclassification into FRA 2020 categories

-

FRA categories	Forest biomass (tonnes/ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Above-ground biomass	105.22	105.15	105.09	105.05	105.04	105.03	105.02	105.01	105.00
Below-ground biomass	21.04	21.03	21.02	21.01	21.01	21.01	21.00	21.00	21.00
Dead wood									

Comments

2d Carbon stock

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Forest carbon (tonnes/ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Carbon in above-ground biomass	49.45	49.42	49.39	49.37	49.37	49.36	49.36	49.35	49.35
Carbon in below-ground biomass	9.89	9.88	9.88	9.87	9.87	9.87	9.87	9.87	9.87
Carbon in dead wood									
Carbon in litter									
Soil carbon									

Soil depth (cm) used for soil carbon estimates	
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Comments

3 Forest designation and management

3a Designated management objective

National Data

Data sources + type of data source eg NFI, etc

SamFRIS 2013 ; Forestry Division, Ministry of Natural Resources & Environment (MNRE), Samoa

National classification and definitions

-

Original data

Sum of Area_ha	Aleipata Is	Apolima	Manono	Nuusafee	Savaii	Upolu	Grand Total	Percentage of land Area
Non Forest	30.77	99.13	185.67	1.54	56215.62	61588.08	118120.81	41.71
Production Forest	4.93		105.58		54810.84	28615.03	83536.38	29.50
Protection Forest	112.76				59173.47	22226.48	81512.71	28.79
Grand Total	148.46	99.13	291.25	1.54	170199.93	112429.59	283169.9	100.00

Analysis and processing of national data

Estimation and forecasting

Total Forest Area of 2015 (164.06ha) was calculated using percentage of Production and Protection Forest

Reclassification into FRA 2020 categories

-

Primary designated management objective

FRA 2020 categories	Forest area (1000 ha)				
	1990	2000	2010	2015	2020
Production (a)				83.04	
Protection of soil and water (b)				0.00	
Conservation of biodiversity (c)				0.00	
Social Services (d)				0.00	
Multiple use (e)				81.03	
Other (specify in comments) (f)				0.00	
None/unknown (g)	176.13	171.31	166.49	0.00	161.67
Total forest area	176.13	171.31	166.49	164.07	161.67

Total area with designated management objective

FRA 2020 categories	Forest area (1000 ha)				
	1990	2000	2010	2015	2020
Production					
Protection of soil and water				81.03	
Conservation of biodiversity				81.03	
Social Services					
Other (specify in comments)					

Comments

The Protected forest includes conservation of biodiversity and water resources. No information aavailable for the other years

3b Forest area within protected areas and forest area with long-term management plans

National Data

Data sources + type of data source eg NFI, etc

2013 SamFRIS, Forestry Division, MNRE

National classification and definitions

-

Original data

<u>National Park areas</u>			
	(Ha)	Km ²	% by Island
Lake Lanoto'o National Park	470	4.7	0.4
Le Pupu Pue National Park	5,019	42.31	4
Lata National Park	4,982	49.92	2.7
Cornwall National Park	2,494	24.94	1.4
Mt Salafai National Park	5,973	59.73	3.3
	18,938		

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Forest area within protected areas				18.95					
Forest area with long-term forest management plan									
...of which in protected areas				11.46					

Comments

Total Protected Area based on total areas of the five (5) National Parks ; O Le Pupu Pu'e National Park, Lake Lanoto'o NP, Mt Salafai NP, Masamasa/Falelima NP and Taga NP

Forest Management Plan only for O Le Pupu Pu'e, Lake Lanotoo and Mt. Salafai National Parks

4 Forest ownership and management rights

4a Forest ownership

National Data

Data sources + type of data source eg NFI, etc

Based on expert estimation - FRA2020 Workshop in Nadi Fiji; 4-7 2018

National classification and definitions

-

Original data

-

Analysis and processing of national data

Estimation and forecasting

10% of Forest Area = Public land (government land)

90% of Forest Area = Private land (customary land and freehold land)

Reclassification into FRA 2020 categories

-

FRA categories	Forest area (1000 ha)			
	1990	2000	2010	2015
Private ownership (a)	158.52	154.18	149.84	147.66
...of which owned by individuals				
...of which owned by private business entities and institutions				
...of which owned by local, tribal and indigenous communities				
Public ownership (b)	17.61	17.13	16.65	16.41
Unknown/other (specify in comments) (c)	0.00	0.00	0.00	0.00
Total forest area	176.13	171.31	166.49	164.07

Comments

4b Holder of management rights of public forests

National Data

Data sources + type of data source eg NFI, etc

SamFRIS ; Forestry Division, Ministry of Natural Resources & Environment (MNRE), Samoa

National classification and definitions

-

Original data

-

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Forest area (1000 ha)			
	1990	2000	2010	2015
Public Administration (a)	17.61	17.13	16.65	16.41
Individuals (b)	0.00	0.00	0.00	0.00
Private business entities and institutions (c)	0.00	0.00	0.00	0.00
Local, tribal and indigenous communities (d)	0.00	0.00	0.00	0.00
Unknown/other (specify in comments) (e)	0.00	0.00	0.00	0.00
Total public ownership	17.61	17.13	16.65	16.41

Comments

5 Forest disturbances

5a Disturbances

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha)																	
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Insects (a)																		
Diseases (b)																		
Severe weather events (c)																		
Other (specify in comments) (d)																		
Total (a+b+c+d)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total forest area	171.31	–	–	–	169.86	–	–	–	–	–	166.49	–	–	–	165.04	164.07	163.59	163.11

Comments

5b Area affected by fire

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha)																	
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total land area affected by fire																		
...of which on forest																		

Comments

5c Degraded forest

Does your country monitor area of degraded forest		No
If "yes"	What is the national definition of "Degraded forest"?	
	Describe the monitoring process and results	

Comments

6 Forest policy and legislation

6a Policies, Legislation and national platform for stakeholder participation in forest policy

National Data

Data sources + type of data source eg NFI, etc

2018, Forestry Division, MNRE, Samoa

National classification and definitions

-

Original data

Forestry Managment Act 2011, MNRE, Samoa

Indicate the existence of	Boolean (Yes/No)	
	National	Sub-national
Policies supporting SFM	Yes	No
Legislations and regulations supporting SFM	Yes	No
Platform that promotes or allows for stakeholder participation in forest policy development	Yes	No
Traceability system(s) for wood products	No	No

Comments

Samoa Forest Resource Policy is in draft as well as the Forestry Management Regulation

6b Area of permanent forest estate

National Data

Data sources + type of data source eg NFI, etc

SamFRIS 2013 ; Forestry Division, Ministry of Natural Resources & Environment (MNRE), Samoa

National classification and definitions

-

Original data

-

FRA 2020 categories	Forest area (1000 ha)					
	Applicable?	1990	2000	2010	2015	2020
Area of permanent forest estate	Yes			18.39		

Comments

Area includes five (5) National Park areas - forest areas

7 Employment, education and NWFP

7a Employment in forestry and logging

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

11 female employees in the Forestry Division, MNRE - 2018

84 male employees in the Forestry Division, MNRE - 2018

FRA 2020 categories	Full-time equivalents (1000 FTE)											
	1990			2000			2010			2015		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
Employment in forestry and logging										0.10	0.01	0.08
...of which silviculture and other forestry activities												
...of which logging												
...of which gathering of non wood forest products												
...of which support services to forestry												

Comments

7b Graduation of students in forest-related education

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

FRA 2020 categories	Number of graduated students											
	1990			2000			2010			2015		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
Doctoral degree												
Master's degree												
Bachelor's degree											3.00	3.00
Technician certificate / diploma												3.00
Total												

Comments

Samoa do not have a forest related education system

7c Non wood forest products removals and value 2015

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

	Name of NWFP product	Key species	Quantity	Unit	Value (1000 local currency)	NWFP category
#1						
#2						
#3						
#4						
#5						
#6						
#7						
#8						
#9						
#10						
All other plant products						
All other animal products						
Total					-	

Name of currency	
------------------	--

Comments

8 Sustainable Development Goal 15

8a Sustainable Development Goal 15

SDG Indicator 15.1.1 Forest area as proportion of total land area 2015

Indicator	Percent							
	2000	2010	2015	2016	2017	2018	2019	2020
Forest area as proportion of total land area 2015	60.53	58.83	57.98	57.81	57.64	57.47	57.30	57.13

Name of agency responsible	
----------------------------	--

SDG Indicator 15.2.1 Progress towards sustainable forest management

Sub-Indicator 1	Percent						
	2000-2010	2010-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Forest area annual net change rate	-0.28	-0.29	-0.29	-0.29	-0.30	-0.30	-0.30

Name of agency responsible	
----------------------------	--

Sub-Indicator 2	Forest biomass (tonnes/ha)							
	2000	2010	2015	2016	2017	2018	2019	2020
Above-ground biomass stock in forest	105.15	105.09	105.05	105.04	105.03	105.02	105.01	105.00

Name of agency responsible	
----------------------------	--

Sub-Indicator 3	Percent (2015 forest area baseline)							
	2000	2010	2015	2016	2017	2018	2019	2020
Proportion of forest area located within legally established protected areas	–	–	11.55	–	–	–	–	–

Name of agency responsible	
----------------------------	--

Sub-Indicator 4	Percent (2015 forest area baseline)							
	2000	2010	2015	2016	2017	2018	2019	2020
Proportion of forest area under long-term forest management plan	–	–	–	–	–	–	–	–

Name of agency responsible	
----------------------------	--

Sub-Indicator 5	Forest area (1000 ha)							
	2000	2010	2015	2016	2017	2018	2019	2020
Forest area under independently verified forest management certification schemes	0.00	0.00	0.00	0.00	0.00	0.00	–	–