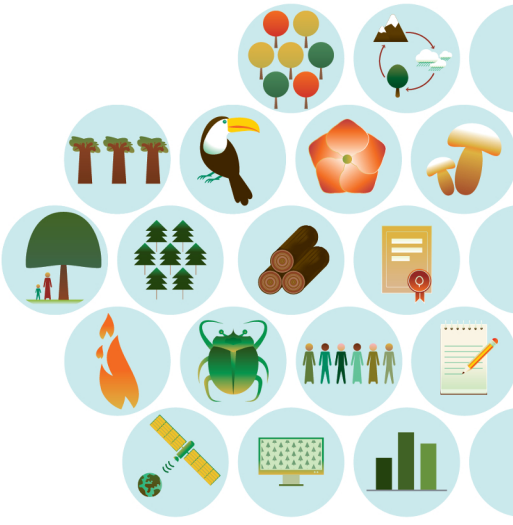
Food and Agriculture Organization of the United Nations

Global Forest Resources Assessment 2020

Report

American 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

The present report was prepared by the following person(s)

Name	Role	Email	Tables
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Neil	Collaborator	neilgurre@gmail.com	All

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

1986	**References**	Donnegan, J. A., S. S. Mann, S. L. Butler, and B. A. Hiserote. 2004. American Samoa's Forest Resources, 2001. Resource Bulletin PNW-RB-244, USDA Forest Service, Pacific Northwest Research Station, Portland, OR. Land cover 2001 A five class land cover map was derived from IKONOS satellite data (1m resolution). Classes included: forest, nonforest vegetation, barren land, urban, and inland water. Complete coverage except Swain's Island and Rose Atoll. 2 Cole, T. G., C. D. Whitesell, W. A. Whistler, N. McKay, and A. H. Ambacher. 1988. Vegetation survey and forest inventory, American Samoa. Resour. Bull. PSW-RB-25, USDA Forest Service, Berkeley, CA. Land cover 1986 Aerial photo interpretation was conducted on 1984 1:10,000 black & white photography and updated to 1986 with ground verification in that year. Complete coverage except Swain's Island and Rose Atoll.
	Methods used	Full-cover forest/vegetation maps
	Additional comments	with field plots

2001	**References**	Donnegan, J. A., S. S. Mann, S. L. Butler, and B. A. Hiserote. 2004. American Samoa's Forest Resources, 2001. Resource Bulletin PNW-RB-244, USDA Forest Service, Pacific Northwest Research Station, Portland, OR. Cole, T. G., C. D. Whitesell, W. A. Whistler, N. McKay, and A. H. Ambacher. 1988. Vegetation survey and forest inventory, American Samoa. Resour. Bull. PSW-RB-25, USDA Forest Service, Berkeley, CA.
	Methods used	Other (specify in comments), Full-cover forest/vegetation maps, National Forest Inventory
	Additional comments	A five class land cover map was derived from IKONOS satellite data (1m resolution). Classes included: forest, non-forest vegetation, barren land, urban, and inland water. Complete coverage except Swain's Island and Rose Atoll. Aerial photo interpretation was conducted on 1984 1:10,000 black & white photography and updated to 1986 with ground verification in that year. Complete coverage except Swain's Island and Rose Atoll.

Classifications and definitions

1986	**National class**	**Definition**
	Forest land	Land spanning more than 0.5 hectares and a tree canopy cover of more than 10 percent.

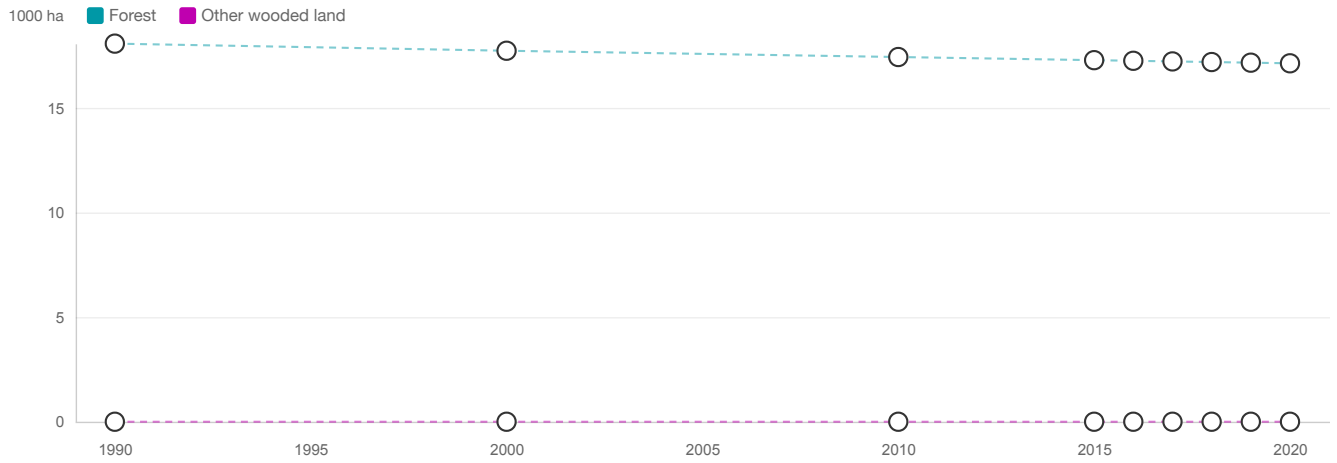
2001	**National class**	**Definition**

	Forest land	Land spanning more than 0.5 hectares and a tree canopy cover of more than 10 percent.

Original data and reclassification

1986	Classifications and definitions		FRA classes		
	Class	**Area (1000 ha)**	**Forest**	**Other wooded land**	**Other land**
	Forest land	18.20	100.00 %	0.00 %	**0.00 %**
	Total	**18.20**	**18.20**	**0.00**	**0.00**

2001	Classifications and definitions		FRA classes		
	Class	**Area (1000 ha)**	**Forest**	**Other wooded land**	**Other land**
	Forest land	17.70	100.00 %	0.00 %	**0.00 %**
	Total	**17.70**	**17.70**	**0.00**	**0.00**


1000 ha
Forest
Other wooded land
15
10
5
0
1990
1995
2000
2005
2010
2015
2020

FRA categories	Area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Forest (a)	18.07	17.73	17.43	17.28	17.25	17.22	17.19	17.16	17.13
Other wooded land (a)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other land (c-a-b)	**1.93**	**2.27**	**2.57**	**2.72**	**2.75**	**2.78**	**2.81**	**2.84**	**2.87**
Total land area (c)	**20.00**	**20.00**	**20.00**	**20.00**	**20.00**	**20.00**	**20.00**	**20.00**	**20.00**

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

Agroforest is included in calculation

1b Forest characteristics

National data

Data sources

1986	**References**	Donnegan, J. A., S. S. Mann, S. L. Butler, and B. A. Hiserote. 2004. American Samoa's Forest Resources, 2001. Resource Bulletin PNW-RB-244, USDA Forest Service, Pacific Northwest Research Station, Portland, OR. Land cover 2001 A five class land cover map was derived from IKONOS satellite data (1m resolution). Classes included: forest, nonforest vegetation, barren land, urban, and inland water. Complete coverage except Swain's Island and Rose Atoll. 2 Cole, T. G., C. D. Whitesell, W. A. Whistler, N. McKay, and A. H. Ambacher. 1988. Vegetation survey and forest inventory, American Samoa. Resour. Bull. PSW-RB-25, USDA Forest Service, Berkeley, CA. Land cover 1986 Aerial photo interpretation was conducted on 1984 1:10,000 black & white photography and updated to 1986 with ground verification in that year. Complete coverage except Swain's Island and Rose Atoll.
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Classifications and definitions

1986	**National class**	**Definition**
	Forest land	Land spanning more than 0.5 hectares and a tree canopy cover of more than 10 percent.

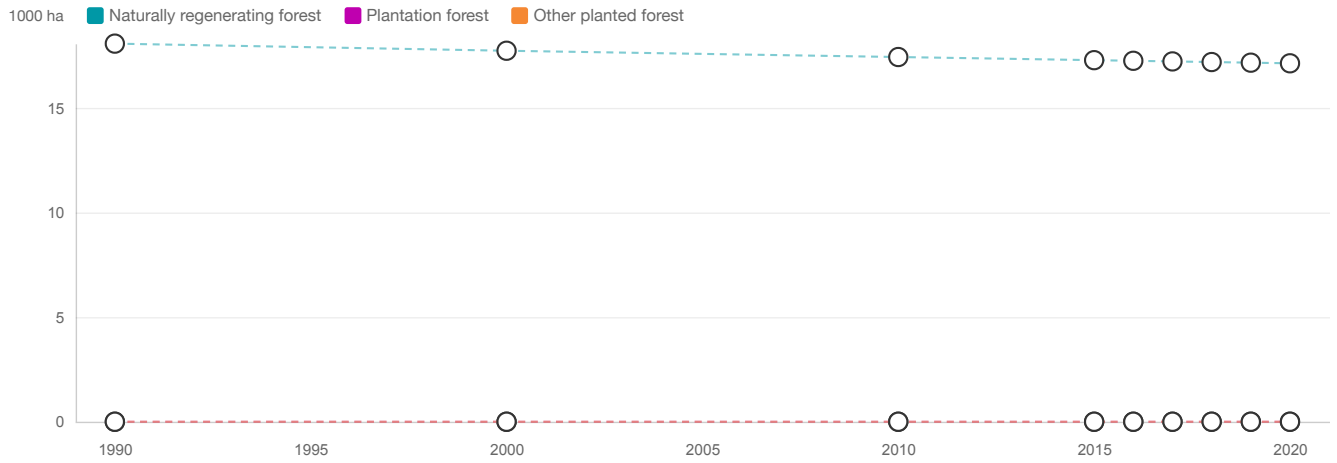
2001	**National class**	**Definition**
	Forest land	

		Land spanning more than 0.5 hectares and a tree canopy cover of more than 10 percent.

Original data and reclassification

	Classifications and definitions		FRA classes		
1986	**Class**	**Area (1000 ha)**	**Naturally regenerating forest**	**Plantation forest**	**Other planted forest**
	Forest land	18.20	100.00 %	0.00 %	0.00 %
	Total	**18.20**	**18.20**	**0.00**	**0.00**

	Classifications and definitions		FRA classes		
2001	**Class**	**Area (1000 ha)**	**Naturally regenerating forest**	**Plantation forest**	**Other planted forest**
	Forest land	17.70	100.00 %	0.00 %	0.00 %
	Total	**17.70**	**17.70**	**0.00**	**0.00**


1000 ha
Naturally regenerating forest
Plantation forest
Other planted forest
15
10
5
0
1990
1995
2000
2005
2010
2015
2020

FRA categories	Forest area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest (a)	18.07	17.73	17.43	17.28	17.25	17.22	17.19	17.16	17.13
Planted forest (b)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Plantation forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
…of which introduced species	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other planted forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (a+b)	**18.07**	**17.73**	**17.43**	**17.28**	**17.25**	**17.22**	**17.19**	**17.16**	**17.13**
Total forest area	**18.07**	**17.73**	**17.43**	**17.28**	**17.25**	**17.22**	**17.19**	**17.16**	**17.13**

Comments

Agroforest is included in calculation

1c Primary forest and special forest categories

National Data

Data sources + type of data source eg NFI, etc

Donnegan, J. A., S. S. Mann, S. L. Butler, and B. A. Hiserote. 2004. American Samoa's Forest Resources, 2001. Resource Bulletin PNW-RB-244, USDA Forest Service, Pacific Northwest Research Station, Portland, OR.
Land cover
2001
Conducted by a systematic, sample-based, field inventory across all ownerships

Cole, T. G., C. D. Whitesell, W. A. Whistler, N. McKay, and A. H. Ambacher. 1988. Vegetation survey and forest inventory, American Samoa. Resour. Bull. PSW-RB-25, USDA Forest Service, Berkeley, CA.
Land cover
1986
Aerial photo interpretation was conducted on 1984 1:10,000 black & white photography and updated to 1986 with ground verification in that year. Complete coverage except Swain's Island and Rose Atoll.

Liu, Zhanfeng; Gurr, Neil E.; Schmaedick, Mark A.; Whistler, W. Arthur; and Fischer, Lisa. (2011). Vegetation Mapping Of American Samoa. General Technical Report. (R5-TP-033). Vallejo, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Region. 19 pages.

Created based on high resolution QuickBird satellite imagery supported by field observations

National classification and definitions

Mangrove forest

Primary forest

Original data

All data sources are original data

Analysis and processing of national data

Estimation and forecasting

Original data	**Acres**				
	1985	**2001**			
Mangrove forest	148	122			
Estimation and forecasting for the FRA reporting years was done by linear interpolation.					
Annual change	-1.63				
National class	**Acres**				
	1990	**2000**	**2010**	**2015**	**2020**
Mangrove forest	139.88	123.63	107.38	99.25	91.13
Conversion Acres to 1000 hectares					

National class	1000 ha				
	1990	2000	2010	2015	2020
Mangrove forest	0.057	0.050	0.043	0.040	0.037

	Original Data			
Year	1985	2011	26	Annual Change
Primary Forest	9212	2438	-6774	-260.5384615

	Primary Forest	1000 hectares		
1990	2000	2010	2015	2020
7909.3077	5303.923077	2698.538462	1395.846154	93.15384615
7.9093077	5.303923077	2.698538462	1.395846154	0.093153846

Reclassification into FRA 2020 categories

not needed national class corresponds to FRA class.

FRA categories	Area (1000 ha)				
	1990	2000	2010	2015	2020
Primary forest	7.90	5.30	2.69	1.38	0.09
Temporarily unstocked and/or recently regenerated	0.00	0.00	0.00	0.00	0.00
Bamboos					
Mangroves	0.06	0.05	0.04	0.04	0.04
Rubber wood	0.00	0.00	0.00	0.00	0.00

Comments

We have Bamboo but no data to quantify area

Primary forest calculated include upland forest from (Cole et al 1985) and Rainforest from Vegetation Mapping of American Samoa, 2011

1d Annual forest expansion, deforestation and net change

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
Forest expansion (a)				
…of which afforestation				
…of which natural expansion				
Deforestation (b)				
Forest area net change (a-b)	**-0.03**	**-0.03**	**-0.03**	**-0.03**

Comments

Forest area reported contains an unknown area of reforestation which is not possible to quantify

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

Forest area reported contains an unknown area of reforestation which is not possible to quantify

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	**1.93**	**2.27**	**2.57**	**2.72**	**2.87**

Comments

Forest area reported contains an unknown area of Palms, Tree orchards, Agroforest, and Trees in urban settings which is not possible to quantify

2 Forest growing stock, biomass and carbon

2a Growing stock

National Data

Data sources + type of data source eg NFI, etc

Donnegan, J. A., S. S. Mann, S. L. Butler, and B. A. Hiserote. 2004. American Samoa's Forest Resources, 2001. Resource Bulletin PNW-RB-244, USDA Forest Service, Pacific Northwest Research Station, Portland, OR.
-Conducted by a systematic, sample-based, field inventory across all ownerships

Lazaro, Michelle, Olaf, Kuegler; Stanton, Sharon, Lehman, Ashley D., Taufete'e, Mary. L.,; Yatskov, Mikhail A. 2016. American Samoa's forest resources, 2012. Resource. -Conducted by a systematic, sample-based, field inventory across all ownerships

National classification and definitions

All accessible forest land included in calculations

Original data

Original data

Analysis and processing of national data

Estimation and forecasting

Original data 2001			**2001**	
43631	acres	Conversts to:	17657	ha
66179597	cubic feet	Conversts to:	1873997	m3
			106.1	m3/ha
Original data 2012			**2012**	
39155.85	acres	Conversts to:	15846	ha
61828565	cubic feet	Conversts to:	1749748	m3
			110.4	m3/ha

Annual change calculation								
11	number of years							
0.389883	annual change rate in growing stock							
Growing stock m3 per hectare								
1990	**2000**	**2010**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
101.8	105.7	109.6	111.6	112.0	112.4	112.8	113.2	113.5

Reclassification into FRA 2020 categories

Agroforest is included as forested acres

FRA categories	Growing stock m³/ha (over bark)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest	101.80	105.70	109.60	111.60	112.00	112.40	112.80	113.20	113.50
Planted forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
…of which plantation forest									
…of which other planted forest									
Forest	101.80	105.70	109.60	111.60	112.00	112.40	112.80	113.20	113.50
Other wooded land									

FRA categories	Total growing stock (million m³ over bark)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest	1.84	1.87	1.91	1.93	1.93	1.94	1.94	1.94	1.94
Planted forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
…of which plantation forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
…of which other planted forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Forest	1.84	1.87	1.91	1.93	1.93	1.94	1.94	1.94	1.94
Other wooded land									

Comments

- Agroforest has been included in growing stock calculations

- Diameter class of 5 inches and greater are included in calculation

2b Growing stock composition

National Data

Data sources + type of data source eg NFI, etc

Donnegan, J. A., S. S. Mann, S. L. Butler, and B. A. Hiserote. 2004. American Samoa's Forest Resources, 2001. Resource Bulletin PNW-RB-244, USDA Forest Service, Pacific Northwest Research Station, Portland, OR

-Conducted by a systematic, sample-based, field inventory across all ownerships

Lazaro, Michelle, Olaf, Kuegler; Stanton, Sharon, Lehman, Ashley D., Taufete'e, Mary. L.,; Yatskov, Mikhail A. 2016. American Samoa's forest resources, 2012. Resource.

-Conducted by a systematic, sample-based, field inventory across all ownerships

National classification and definitions

Estimated gross volume of all live trees

Original data

Original data

Analysis and processing of national data

Estimation and forecasting

	million cubic meter			1000000
1	0.29	0.28	27.85041	
2	0.22	0.15		
3	0.21	0.12		
4	0.15	0.12		
5	0.14	0.13		
6	0.11	0.07		
7	0.07	0.02		
8	0.06	0.06		
9	0.06	0.06		
10	0.06	0.00		
sum top 10	1.35	1.00		
remaining	0.52	0.93		
total	1.872288	1.929501		

Reclassification into FRA 2020 categories

National class corresponds to FRA class

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	Dysoxylum maota			0.29	0.28		
#2 Ranked in terms of volume	Cocos nucifera			0.22	0.15		
#3 Ranked in terms of volume	Rhus taitensis			0.21	0.12		
#4 Ranked in terms of volume	Myristica fatua			0.15	0.12		
#5 Ranked in terms of volume	Hibiscus tiliaceus			0.14	0.13		
#6 Ranked in terms of volume	Cananga odorata			0.11	0.07		
#7 Ranked in terms of volume	Bischofia javanica			0.07	0.02		
#8 Ranked in terms of volume	Neonauclea forsteri			0.06	0.06		
#9 Ranked in terms of volume	Elaeocarpus ulianus			0.06	0.06		
#10 Ranked in terms of volume	Cyathea lunulata			0.06	0.00		
Remaining native tree species				0.52	0.93		
Total volume of native tree species			–	**1.89**	**1.94**	–	–
Introduced tree species							
#1 Ranked in terms of volume				0.00	0.00		
#2 Ranked in terms of volume				0.00	0.00		
#3 Ranked in terms of volume				0.00	0.00		
#4 Ranked in terms of volume				0.00	0.00		
#5 Ranked in terms of volume				0.00	0.00		
Remaining introduced tree species				0.00	0.00		

FRA categories	Scientific name	Common name	Growing stock in forest (million m³ over bark)				
			1990	2000	2010	2015	2020
Native tree species							
Total volume of introduced tree species			–	**0.00**	**0.00**	–	–
Total growing stock			–	**1.89**	**1.94**	–	–

Comments

Data from 2001 FIA is added into 2000 column and Data from 2011 FIA is added into 2010 column

2c Biomass stock

National Data

Data sources + type of data source eg NFI, etc

Donnegan, J. A., S. S. Mann, S. L. Butler, and B. A. Hiserote. 2004. American Samoa's Forest Resources, 2001. Resource Bulletin PNW-RB-244, USDA Forest Service, Pacific Northwest Research Station, Portland, OR.

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National classification and definitions

-

Original data

2001 data provided stem biomass

	2001
stem biomass	1100526 tonnes

2012 above ground biomass

2012
2422196 tonnes

Analysis and processing of national data

Estimation and forecasting

biomass data for 2001 was only stem calculations so we used expansion factor 2 to get total above ground biomass

below ground biomass was calculated using root shoot ratio of 0.24

2001 and 2012 figures were used to estimate all biomass for FRA reporting years

	2001	2012	Change
AGB	2201052	2422196	20104
BGB	528252.5	581327	4825

Reclassification into FRA 2020 categories

-

FRA categories	Forest biomass (tonnes/ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Above-ground biomass	109.57	125.13	137.85	143.91	145.33	146.75	148.18	149.35	150.79
Below-ground biomass	26.30	30.03	33.08	34.54	34.88	35.22	35.56	35.85	36.19
Dead wood									

Comments

2d Carbon stock

National Data

Data sources + type of data source eg NFI, etc

Donnegan, J. A., S. S. Mann, S. L. Butler, and B. A. Hiserote. 2004. American Samoa's Forest Resources, 2001. Resource Bulletin PNW-RB-244, USDA Forest Service, Pacific Northwest Research Station, Portland, OR.
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National classification and definitions

-

Original data

Same as 2c

Analysis and processing of national data

Estimation and forecasting

Same as 2c

Reclassification into FRA 2020 categories

Same as 2c

FRA categories	Forest carbon (tonnes/ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Carbon in above-ground biomass	51.50	58.81	64.79	67.64	68.31	68.97	69.65	70.20	70.87
Carbon in below-ground biomass	12.36	14.11	15.55	16.23	16.39	16.55	16.72	16.85	17.01
Carbon in dead wood									
Carbon in litter									
Soil carbon									

Soil depth (cm) used for soil carbon estimates	

Comments

Carbon for above and below ground biomass was calculated by taking above and below ground biomass multiplied by 0.47

3 Forest designation and management

3a Designated management objective

National Data

Data sources + type of data source eg NFI, etc

http://www.asbar.org/index.php?option=com_content&view=category&id=605&Itemid=172

Donnegan, J. A., S. S. Mann, S. L. Butler, and B. A. Hiserote. 2004. American Samoa's Forest Resources, 2001. Resource Bulletin PNW-RB-244, USDA Forest Service, Pacific Northwest Research Station, Portland, OR.
-Conducted by a systematic, sample-based, field inventory across all ownerships

Foundation Document Overview, National Park of American Samoa

https://www.nps.gov/npsa/learn/news/fact-sheet.htm

American Samoa Forest Assesment and Resource Strategy 2011-2015, Forestry Program Division of Community and Natural Resources, American Samoa Community College. June 2010

National classification and definitions

Areas calculated are for American Samoa National Park, Mangroves, and Lowland lava rainforest

Original data

Original data

Analysis and processing of national data

Estimation and forecasting

National Park Area year			1993	2002		Convert to hectares		1993	2002
		acres	6200	6270			hectare	2.511	2.53935
	Mangroves area year		1985	2001				1985	2001
		acres	148	122			hectare	0.05994	0.04941

Lowland lava rainforest			2001	2011				2001	2011
		acres	40	28			convert to hectares divided by 1000	0.0162	0.01134

Reclassification into FRA 2020 categories

Not needed

Primary designated management objective

FRA 2020 categories	Forest area (1000 ha)				
	1990	2000	2010	2015	2020
Production (a)	0.00	0.00	0.00	0.00	0.00
Protection of soil and water (b)	0.00	0.00	0.00	0.00	0.00
Conservation of biodiversity (c)	0.06	0.06	0.06	0.06	0.06
Social Services (d)	0.00	0.00	0.00	0.00	0.00
Multiple use (e)	2.51	2.51	2.53	2.53	2.53
Other (specify in comments) (f)	0.00	0.00	0.00	0.00	0.00
None/unknown (g)	**15.50**	**15.16**	**14.84**	**14.69**	**14.54**
Total forest area	**18.07**	**17.73**	**17.43**	**17.28**	**17.13**

Total area with designated management objective

FRA 2020 categories	Forest area (1000 ha)				
	1990	2000	2010	2015	2020
Production	0.00	0.00	0.00	0.00	0.00
Protection of soil and water	0.00	0.00	0.00	0.00	0.00
Conservation of biodiversity	2.57	2.57	2.59	2.59	2.59
Social Services	2.51	2.51	2.53	2.53	2.53
Other (specify in comments)	0.00	0.00	0.00	0.00	0.00

Comments

American Samoa National Park contains multiple uses. Established in 1993 the park area for this year was input for year 1990. The park was extended in 2002 and the area data for that year was added to 1990 and input under year 2000.

Protection of mangroves was established in 1990. 1985 area for mangroves was input under FRA year 1990 and 2001 area under FRA year 2000 for conservation of biodiversity.

Lowland lava rainforest area for year 2001 was added to FRA year 2000 together with mangroves. lowland lava rainforest area for 2011 was added to 2010 FRA year together with mangroves for the conservation of biodiversity section

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

http://www.asbar.org/index.php?option=com_content&view=category&id=605&Itemid=172

Donnegan, J. A., S. S. Mann, S. L. Butler, and B. A. Hiserote. 2004. American Samoa's Forest Resources, 2001. Resource Bulletin PNW-RB-244, USDA Forest Service, Pacific Northwest Research Station, Portland, OR
-Conducted by a systematic, sample-based, field inventory across all ownerships

Foundation Document Overview, National Park of American Samoa

https://www.nps.gov/npsa/learn/news/fact-sheet.htm

American Samoa Forest Assesment and Resource Strategy 2011-2015, Forestry Program Division of Community and Natural Resources, American Samoa Community College. June 2010

National classification and definitions

Areas calculated are for American Samoa National Park, Mangroves, and Lowland lava rainforest

Original data

original data

Analysis and processing of national data

Estimation and forecasting

year	1990	2000	2010	2015	2020
multiple use	2.51	2.51	2.53	2.53	2.53
conservation of biodiversity	0.06	0.06	0.06	0.06	0.06
forest area within protected area	2.57	2.57	2.59	2.59	2.59

Reclassification into FRA 2020 categories

Not needed

FRA categories	Area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Forest area within protected areas	2.57	2.57	2.59	2.59	2.59	2.59	2.59	2.59	2.59
Forest area with long-term forest management plan	2.57	2.57	2.59	2.59	2.59	2.59	2.59	2.59	2.59
...of which in protected areas	2.57	2.57	2.59	2.59	2.59	2.59	2.59	2.59	2.59

Comments

4 Forest ownership and management rights

4a Forest ownership

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

Based on expert opinion

Reclassification into FRA 2020 categories

-

FRA categories	Forest area (1000 ha)			
	1990	2000	2010	2015
Private ownership (a)	18.07	17.73	17.43	17.28
…of which owned by individuals	0.09	0.09	0.09	0.09
…of which owned by private business entities and institutions	0.00	0.00	0.00	0.00
…of which owned by local, tribal and indigenous communities	17.98	17.64	17.28	17.19
Public ownership (b)	0.00	0.00	0.00	0.00
Unknown/other (specify in comments) (c)	**0.00**	**0.00**	**0.00**	**0.00**
Total forest area	**18.07**	**17.73**	**17.43**	**17.28**

Comments

Based on expert opinion

4b Holder of management rights of public forests

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 area (1000 ha)			
	1990	2000	2010	2015
Public Administration (a)	0.00	0.00	0.00	0.00
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	**0.00**	**0.00**	**0.00**	**0.00**

Comments

Based on expert opinion

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	**17.73**	**17.70**	–	–	–	–	–	–	–	–	**17.43**	–	–	–	–	**17.28**	**17.25**	**17.22**

Comments

Forest area reported contains an unknown area which is not possible to quantify

5b Area affected by fire

National Data

Data sources + type of data source eg NFI, etc

FRA 2020 Geospatial tool

National classification and definitions

-

Original data

According to FRA 2020 Geospatial tools 8 hectares of land area were affected by fire in 2007.

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
…of which on forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

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

http://www.asbar.org/index.php?option=com_content&view=category&id=605&Itemid=172

http://www.asbar.org/index.php?option=com_content&view=article&id=8371

https://www.asbar.org/index.php?option=com_content&view=article&id=13275&catid=893&Itemid=294

National classification and definitions

-

Original data

-

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

Comments

6b Area of permanent forest estate

National Data

Data sources + type of data source eg NFI, etc

-

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	2.57	2.57	2.59	2.59	2.59

Comments

Areas include the National Park, Mangroves, and Tafuna lowland rainforest

7 Employment, education and NWFP

7a Employment in forestry and logging

National Data

Data sources + type of data source eg NFI, etc

American Samoa Community College Human Resources database

National classification and definitions

-

Original data

	Forestry Staff	
Year	Male	Female
1989		
1990		
1991		
1999		
2000		
2001		
2009	10	
2010	11	
2011	11	
2014	7	3
2015	7	3
2016	7	2

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							0.01	0.00	0.01	0.01	0.00	0.01
…of which silviculture and other forestry activities							0.01	0.00	0.01	0.01	0.00	0.01
…of which logging							0.00	0.00	0.00	0.00	0.00	0.00
…of which gathering of non wood forest products							0.00	0.00	0.00	0.00	0.00	0.00
…of which support services to forestry							0.00	0.00	0.00	0.00	0.00	0.00

Comments

The data reported for has been rounded as the platform only alows two digits. The original data is found in the section Original data.

7b Graduation of students in forest-related education

National Data

Data sources + type of data source eg NFI, etc

American Samoa Community College IE database

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Master's degree	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bachelor's degree	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Technician certificate / diploma	2.00	0.00	2.00	1.00	0.00	1.00	6.00	4.00	2.00	9.00	6.00	3.00
Total	2.00	0.00	2.00	1.00	0.00	1.00	6.00	4.00	2.00	9.00	6.00	3.00

Comments

American Samoa Community College only offers Associate of Science degrees in forest-related education. Associate of Science Graduates in forest-related education is entered under Technician certificate/diploma

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	Coconut	Cocos nucifera				1 Food
#2	Breadfruit	Artocarpis atilis				1 Food
#3	Samoan koko	Theobroma cacao				1 Food
#4	Basket	Cocos nucifera				5 Raw material for utensils handicrafts construction
#5	Thatch	Pandanus spp.				5 Raw material for utensils handicrafts construction
#6	Sennit	Cocos nucifera				5 Raw material for utensils handicrafts construction
#7	Samoan broom	Cocos nucifera				5 Raw material for utensils handicrafts construction
#8	Avocado fruit	Persea americana				1 Food
#9	Handicraft	Pandanus spp.				5 Raw material for utensils handicrafts construction
#10	Colorants and dye	Bischofia javanica				4 Raw material for colorants and dyes
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	88.65	87.15	86.40	86.25	86.10	85.95	85.80	85.65

Name of agency responsible	ASCC-ACNR(Land Grant Program)

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	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.18

Name of agency responsible	ASCC-ACNR(Land Grant Program)

Sub-Indicator 2	Forest biomass (tonnes/ha)							
	2000	2010	2015	2016	2017	2018	2019	2020
Above-ground biomass stock in forest	125.13	137.85	143.91	145.33	146.75	148.18	149.35	150.79

Name of agency responsible	ASCC-ACNR(Land Grant Program)

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	14.87	14.99	14.99	14.99	14.99	14.99	14.99	14.99

Name of agency responsible	ASCC-ACNR(Land Grant Program)

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	14.87	14.99	14.99	14.99	14.99	14.99	14.99	14.99

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	–	–