



Red Listing process in the Pacific Region



- Review of the 2008 Red List
- Current listing process
- Next steps in Red Listing

- **Target 12: By 2020 the extinction of known threatened species has been prevented and their conservation status, particularly of those most in decline, has been improved and sustained.**



The Pacific islands: an analysis of the status of species as listed on the 2008 IUCN Red List of Threatened Species™

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Table 3.1 Estimated number of described species in the Pacific Islands region

	Estimated number of described Pacific Island species	Number of assessed Pacific Island species	Estimated % of Pacific Islands species assessed by 2008
Vertebrates			
Mammals	317	317	100%
Birds	1079	1079	100%
Reptiles	432	26	6%
Amphibians	271	271	100%
Fishes	4,102	223	5%
Subtotal	6204	1,916	31%
Invertebrates			
Insects	4911	27	<1%
Molluscs (including Gastropods and Bivalves)	2000+	332	~16%
Crustaceans	?	16	unknown
Hard Corals	591	591	100%
Arachnids	475	0	0
Others	?	Hydrozoa 8 Polychaeta 1	unknown
Subtotal	8000+	975	≤12%
Plants			

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Mosses ¹⁰	2650	5	<1%
Ferns and allies ¹⁰	2680	0	0
Gymnosperms (Cycads and Conifers) ¹¹	254	96	38%
Dicotyledons (Magnoliopsida) ¹⁰	14138	703	5%
Monocotyledons (Liliopsida) ¹⁰	6087	71	1%
Green Algae ¹⁰	285	0	0
Red Algae ¹⁰	406	0	0
Fungi ¹⁰	2627	0	0
Other plants ¹⁰	225+	0	0
Subtotal	29802+	875	3%
TOTAL	44009+	3769	9%

Figure 1: Number of assessed species in each category, for each class assessed

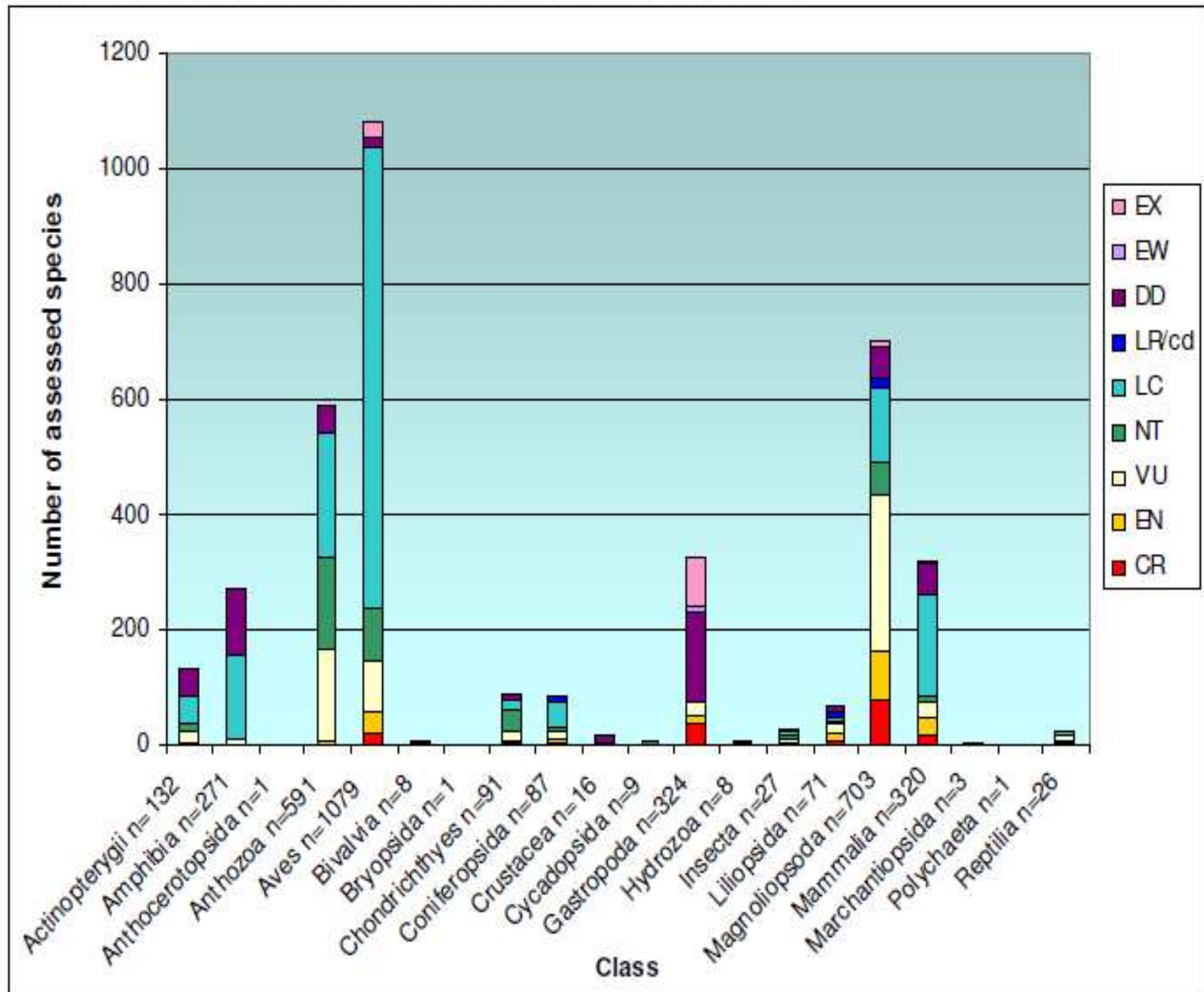


Figure 6: Species assessed as Extinct or Extinct in the Wild by Class

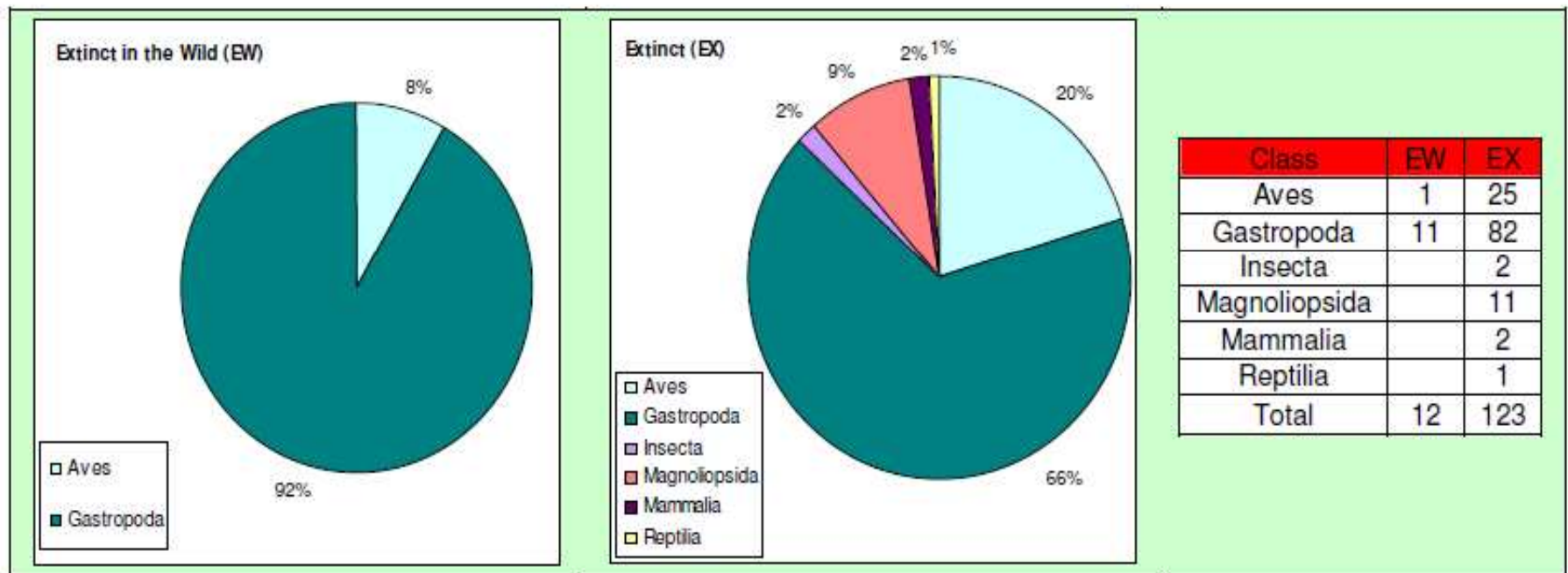


Table 6: Species Extinct or Extinct in the Wild by Pacific Island Country

Country	EX	EW
French Polynesia	74	11
Cook Islands	15	0
Norfolk Island	11	0
New Caledonia	7	0
Guam	4	1
Fiji	2	0
FSM	2	0
Solomon Islands	2	0
American Samoa	1	0
Northern Mariana Islands	1	1
Palau	1	0
Papua New Guinea	1	0
Tonga	1	0
US Minor Outlying Islands	1	0
Vanuatu	1	0

Threatened Vertebrates

Mammals, Birds and Amphibians

At the global level, 32% of amphibians, 22% of mammals and 14% of birds are threatened. The proportion of threatened mammals and birds in the Pacific islands are almost identical to global levels, with 21% of mammals and 13% of birds threatened (as seen in Figures 4 and 5). However, the number of threatened amphibians is far lower in the Pacific islands, with only 5% of assessed species at risk of extinction (see Figure 3). The reason for this is unclear, but perhaps suggests that amphibians in some countries are far more susceptible to threats, that threats vary between countries, or that some other factors are at play (IUCN, CI and NatureServe 2008).

Figure 3: Assessed Amphibians by category

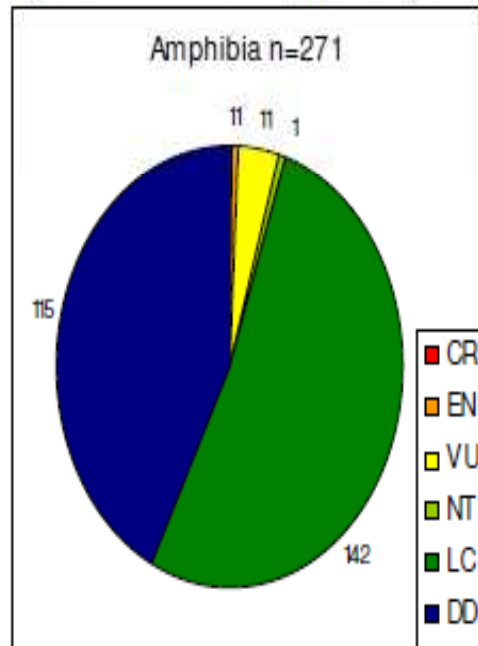


Figure 4: Assessed Mammals by category

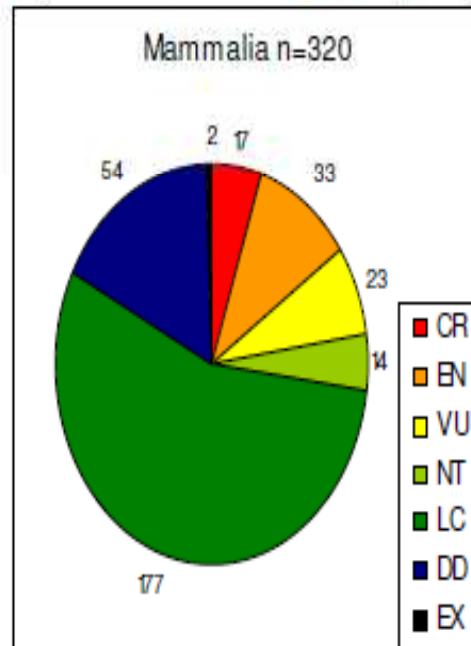


Figure 5: Assessed Birds by category

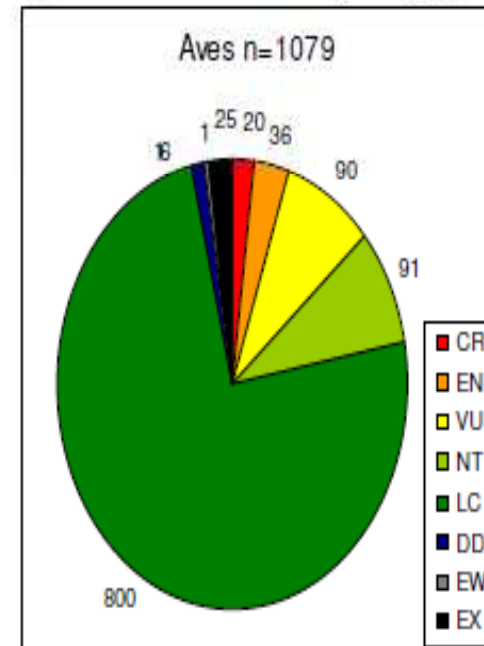


Table 5: Percentage of assessed birds listed as threatened for the Pacific islands

Country	Percentage threatened: Pacific islands only (Rank in global Top Twenty of threatened and extinct birds in parentheses)
Pitcairn Island	40% (4)
Cook Islands	34% (2)
French Polynesia	33% (1)
Norfolk Islands	31% (5)
Niue	30% (9)
Wallis and Futuna	26% (13)
US Minor Outlying Islands	22% (12)
American Samoa	22% (14)
Samoa	16% (15)
Kiribati	13% (18)
Northern Mariana Islands	11%
Fiji	11%
New Caledonia	11% (20)
Tokelau	10%
Guam	10% (19)
Tonga	9%
Solomon Islands	8%
Vanuatu	8%
Marshall Islands	8%
Nauru	7%

Figure 4.1: Species assessed as a percentage of species described for select taxonomic groups

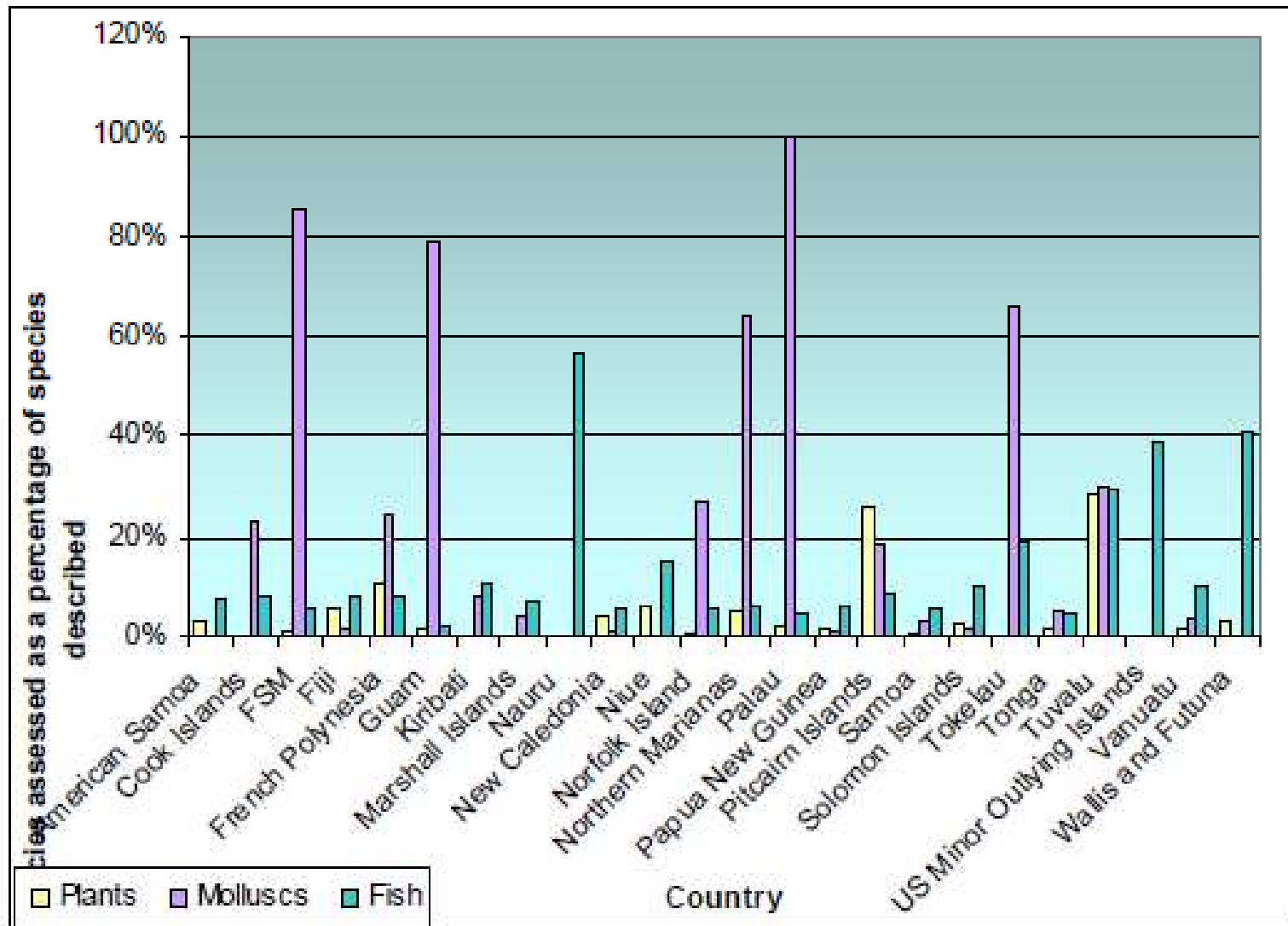


Figure 4.4: Species Extinct or Extinct in the Wild by Pacific Island Country

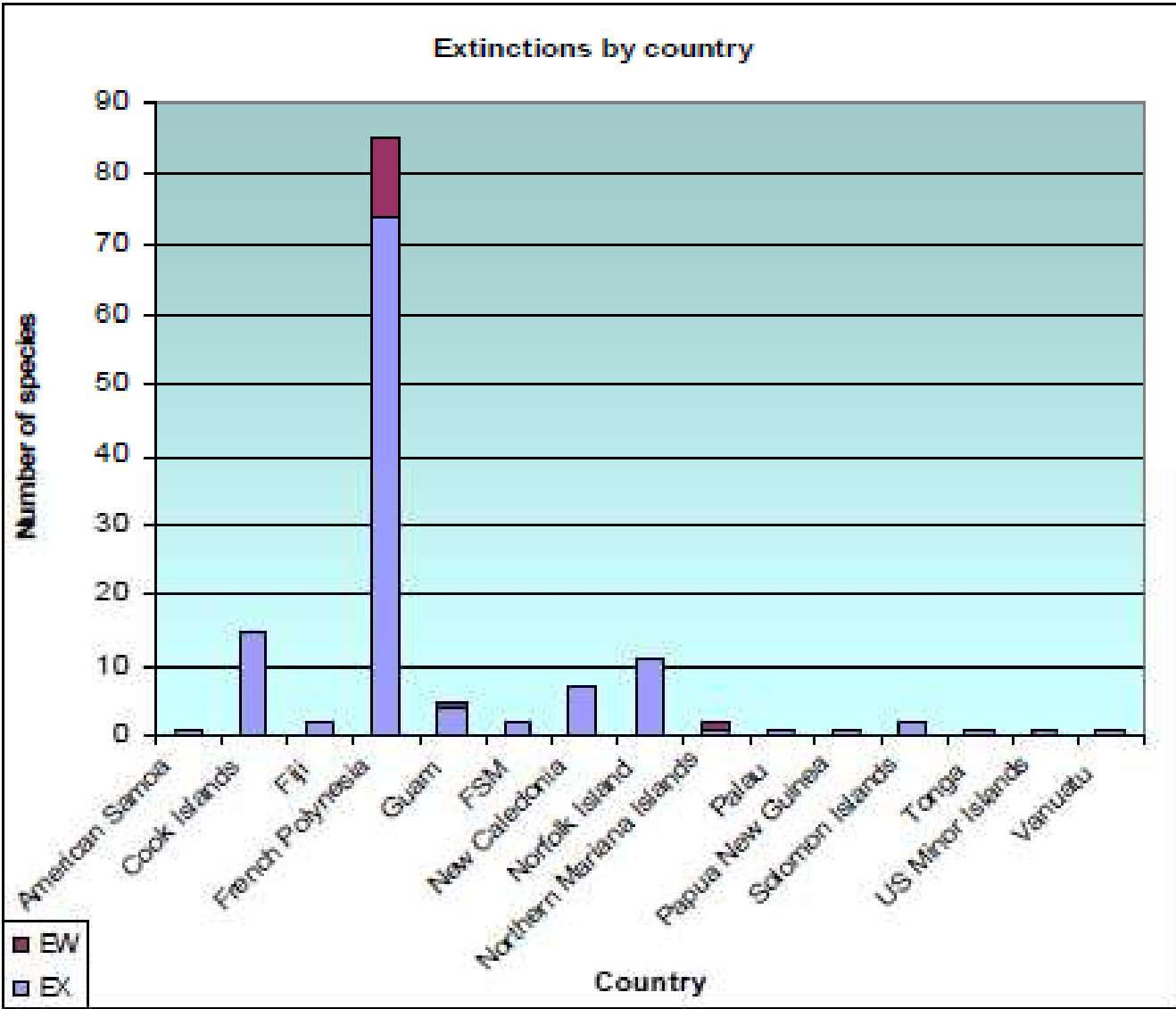
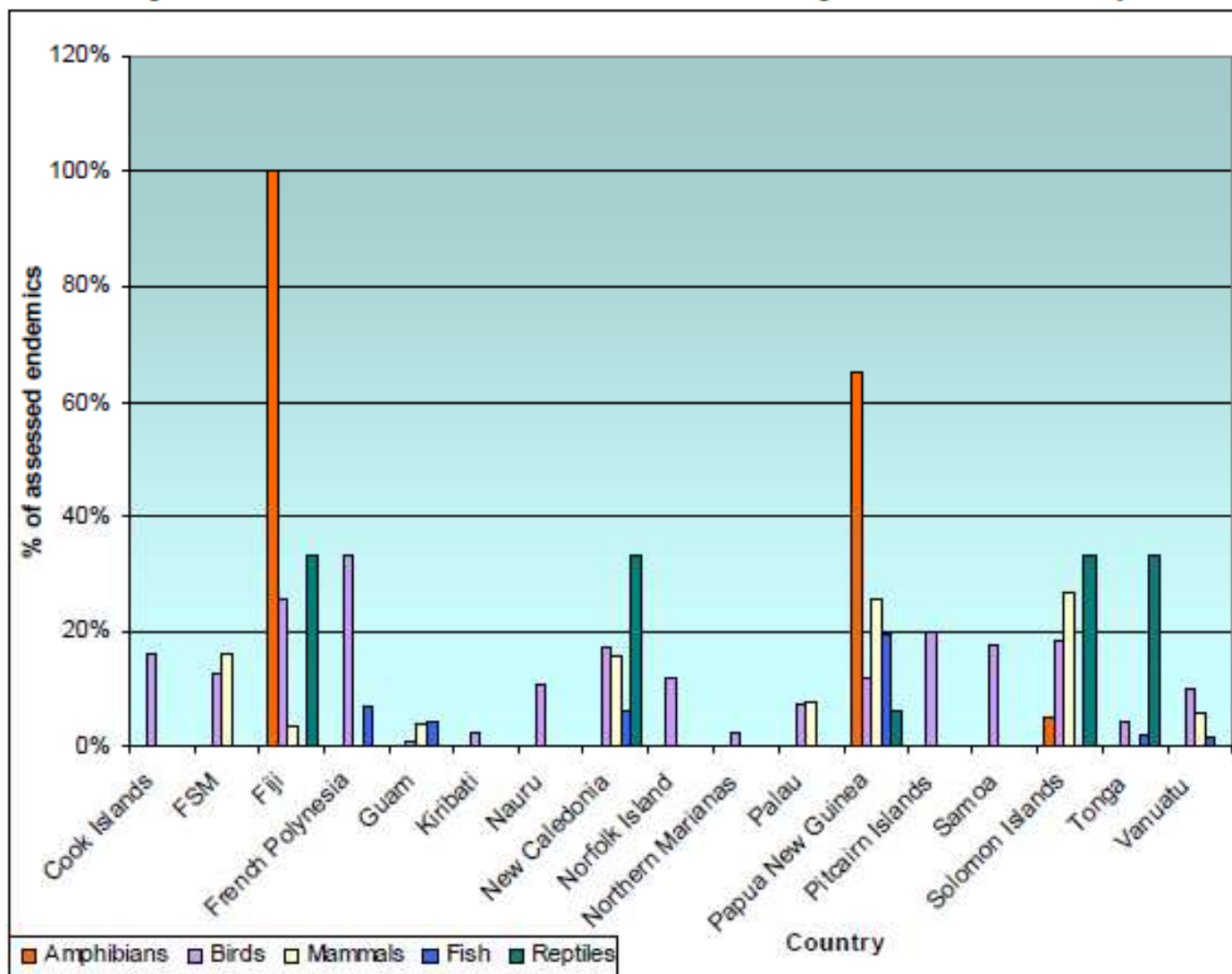


Figure 4.7 : Percentage of Assessed Vertebrates that are Endemic to a single Pacific Island country



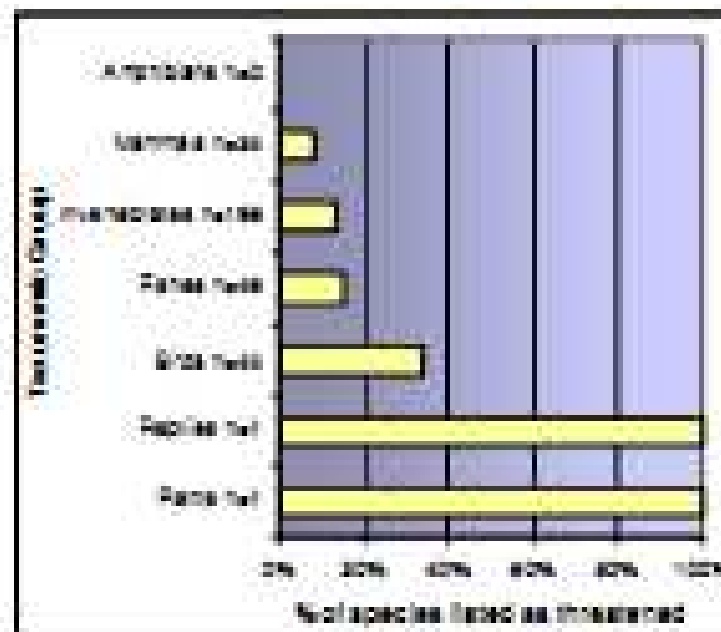
The following countries do not have any assessed vertebrates that are endemic: American Samoa, Marshall Islands, Niue, Tokelau, Tuvalu, US Minor Outlying Islands, Wallis and Futuna

COOK ISLANDS

Estimated number of described and assessed species

Taxonomic Group	Subgroup	Estimated Number of species described	Number of species assessed
Plants	Algae	11	2
	Ferns	16	2
	Cycads	1	2
	Conifers	17	2
	Dioms	268	1
	Monocots	46	2
	Angios	20	2
	Fungi	262	2
Total Plants		652	1
Birds		46	46
Mammals		24	24
Reptiles		2	1
Amphibians		0	0
Fish	Marine Fish	222	48
	Freshwater Fish	6	2
Total Fish		228	50
Invertebrates	Insects	81	2
	Arachnids	0	0
	Hard Corals	178	178
	Soft Corals (Sclerites and Gastrozooids)	70	19
	Crustaceans	Unknown	1
	Hydrozoa	Unknown	1
	Other invertebrates	Unknown	2
Total Invertebrates		329	198

Percentage of assessed species listed as threatened (CR, EN, VU categories)



Extinctions

One bird is listed as Extinct on the 2008 Red List - *Aploche-
melanotos*, the Mysterious Starling. This bird was only known
from one specimen collected in 1825 and it is thought that
predation by rats led to its extinction (BirdLife International 2008a).
There are also 14 records of Extinct Gastropods.

Assessed endemic species (not including EX or EW)

There are 21 endemic species listed for the Cook Islands, all of
which are Gastropods or Birds. For their threat status, see Figure
11. The graph below shows the percentage of the Cook Islands
assessed species that are endemic, by class.



THE IUCN RED LIST
OF THREATENED SPECIES™

Filling the gaps: Red Listing for the Pacific islands

Improving and increasing information on the Red List for Pacific island countries – regional and global listing

Currently working on :

- land snails,
- reptiles,
- freshwater fishes

Funding received from Fonds Pacifique and CEPF

Member involvement:

- ~ SSC and Specialist Groups, USP, National Trust of Fiji, Nature Fiji
- ~ State Members/Government agencies – e.g. links with NBSAPs
- ~ Global members such as Conservation International, Wetlands International



Next steps

- Continuing Red Listing Process and finish
 - land snails,
 - reptiles,
 - freshwater fishes
- Red list of Marine Fish to continue in 2011
- Seeking funds to continue process of Red Listing of other groups

www.iucn.org/oceania/