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The Zoological Society of London Annual Report



The Zoological Society of London Registered Charity 208728

Annual Report 1999 Part 2

Contents

Information about the Charity	2
Honorary Fellows	3
Council	3
Committees and Boards	4
Staff	6
Obituaries	8
Volunteers	9
Collaboration with zoological,	9
conservation, research and other	
organisations	
Representation	11
Publications by ZSL staff and	13
researchers	
Donations and legacies	17
Animal collection report	.17
Animal collection	20

The Zoological Society of London

(Registered charity no. 208728)

Patron: Her Majesty The Queen

Principal address Regent's Park, London NW1 4RY

Also at: Whipsnade Wild Animal Park,

Dunstable, Bedfordshire LU6 2LF

ZSL is established by Royal Charter, and governed by By-laws and Regulations. The ruling body is Council. Members of Council, who include the Officers of the Society (the President, the Treasurer and the Secretary), are listed opposite. Council Members (the Trustees) are elected by the membership by postal ballot. Council has the power to co-opt.

Associated Charity:

The Zoological Society of London Development Trust (reg. no. 293255)

Non-trading holding company:

Zoo Operations Ltd (reg. no. 2226414)

Wholly-owned subsidiary trading companies:

Zoo Enterprises Ltd (reg. no. 1178687) ZSL (Web of Life) Ltd (reg. no. 3738937) Zoo Restaurants Ltd (reg. no. 570005) Whipsnade Wild Animal Park Ltd

(reg. no. 990860)

Bankers: Royal Bank of Scotland,

London Drummonds Branch, 49 Charing Cross,

London SW1A 2DX

Auditors: Ernst & Young,

Becket House, 1 Lambeth Palace Road,

London SE1 7EU

Investment Advisers: Henderson Investors,

3 Finsbury Avenue, London EC2M 2PA

The objectives of the Society under the Charter are: 'the advancement of zoology by, amongst other things, the conducting of scientific research, the promoting of conservation of biological diversity and the welfare of animals, the care for and breeding of endangered and other species, the fostering of public interest, the improvement and dissemination of zoological knowledge and participation in conservation worldwide.'

Details of the policies and activities of ZSL in furtherance of these objectives are detailed in Part 1 of this Report. There was no change in the objectives or policies during 1999.

The Annual Report was approved by Council on 2 May 2000.

Part 2 edited by Katrine Garn

Honorary Fellows

Date of election

- 1977 HRH The Prince Philip, Duke of Edinburgh, KG, KT
- 1991 HM The Emperor Akihito of Japan
- 1975 Professor Jean Anthony Museum National d'Histoire Naturelle, 55 rue de Buffon, Paris 53, France
- 1975 Professor Jean Dorst

 Museum National d'Histoire Naturelle
 (Mammifères et Oiseaux), 55 rue de Buffon,
 Paris 53, France
- 1984 Professor Ernst Mayr

 Museum of Comparative Zoology, Harvard

 University, Cambridge, MA 02138-2902,

 USA
- 1988 Professor Dr Milton Thaigo de Mello Instituto de Ciencias Biologicas, Universidad de Brasilia, Brasilia, DF70 910, Brazil
- 1990 Professor Knut Schmidt-Nielsen

 Department of Zoology, Duke University,

 Durham, North Carolina 27708-0325, USA
- 1992 Professor Edward O. Wilson

 Museum of Comparative Zoology, Harvard

 University, Cambridge, Massachusetts

 02138-2902, USA
- 1996 Professor John Maynard Smith School of Biological Sciences, University of Sussex, Falmer, Brighton BN1 9QG
- 1997 The Hon. Miriam Rothschild
 Ashton Wold, Peterborough PE8 5LZ
- 1998 Sir David Attenborough Richmond, Surrey

Council

- 6/7 President: Sir Martin Holdgate, CB, MA, PhD, DSc (h.c.), CBiol, FIBiol
- 7/7 Treasurer: Harry Wilkinson, OBE, MA, FCA
- 7/7 Secretary: Professor R McNeill Alexander, PhD, DSc, CBiol, FIBiol, FRS (resigned 31 December 1999)
- 3/4 Sheila Anderson, BSc†
- 7/7 John Barrington-Johnson (co-opted from 1 April 1998) *
- 2/3 Brian Bertram, MA, PhD, CBiol, FIBiol*
- 2/3 Jonathan Boyce, DM, MA, MSc, MRCP, FFPHM*
- 3/3 Michael Brambell, MA, VetMB, PhD, DVSc, MRCVS†
- 2/2 Professor Bryan Clarke, DPhil, FRS, Vice President (resigned April 1999)
- 0/0 Peter Davies (Member designate resigned 16 June 1999)
- 4/4 John Edwards, MA, FLS†
- 6/7 Roger Ewbank, OBE, MVSc, MRCVS, FIBiol
- 3/3 Tony Fincham, BSc, PhD*
- 4/7 Professor Mike Hassell, DSc, FRS
- 5/7 Martin Jiggens, FRICS, FSVA, FRSA
- 6/7 Nancy Lane, OBE, DPhil, ScD, CBiol, FIBiol, Vice President
- 1/3 Ken Livingstone MP*
- 1/4 Christopher Marler†
- 5/7 Sophie McCormick, MA, PhD, CBiol, FIBiol
- 0/1 Derrick Moore, FCA (resigned 18 February 1999)
- 0/1 Professor Paul Racey, MA, PhD, DSc, FRSE, CBiol, FIBiol (co-opted 2 November 1999)
- 3/3 Professor Jeremy Rayner, BA, MA, PhD (co-opted 8 June 1999)
- 1/1 Neville Reyner, BSc, MBA, CEng, FIEE, FIMgt (co-opted 2 November 1999)
- 6/7 Martin Rowson, MA
- 7/7 Ken Sims, Vice President
- 7/7 Ted Smith, BSc, CBiol, FIBiol
- 2/3 Peter Stevens, BSc, MIBiol*
- 6/7 Jane Thornback, MSc
- 4/6 Professor Roger Wheater, OBE, CBiol, FIBiol, FRSA, FRSGS, FRZSS, FRSE† (co-opted 28 September 1999)
- 6/7 Robert Wingate

Attendance: actual/potential

- † To 8 June 1999
- * From 8 June 1999

Committees & Boards 1999

Committees & Boards of Council

Finance & General Purposes Committee

Terms of Reference: To monitor the financial management of the Society and act as an audit committee; and to preview and prepare papers for Council requiring policy or capital investment decisions.

Sir Martin Holdgate, CB, MA, PhD, CBiol, FIBiol, FRSA, FRGS, Chairman
Professor R. McNeill Alexander, PhD, DSc, CBiol, FIBiol, FRS
Nancy Lane, OBE, DPhil, ScD, CBiol, FIBiol
Martin Rowson, MA
Ken Sims
Harry Wilkinson, OBE, MA, FCA

Conservation & Science Advisory Committee

Terms of Reference: To provide strategic vision, objectives and advice to Council and ZSL staff on conservation and science issues and activities; to monitor all the conservation and science activities of the Society, ensuring that they are implemented to the highest professional standards.

Professor Paul Racey, MA, PhD, DSc, FRSE, CBiol, FIBiol, Chairman
Professor R. McNeill Alexander, PhD, DSc, CBiol, FIBiol, FRS
David Chivers, PhD
Lee Durrell, PhD
Tony Fincham, BSc, PhD
Bryan Grenfell, PhD
Robin Pellew, PhD
Professor Ian Swingland, PhD, DSc, CBiol, FIBiol, FRSA, FRGS
Jane Thornback, MSc

Education & Information Advisory Committee

Terms of Reference: To provide strategic vision, objectives and advice to Council and ZSL staff on education issues and projects; to monitor the education and information activities of the Society, ensuring that they are implemented to the highest professional standards.

Sophie McCormick, PhD, Chairman Geraldine Baker, BSc John Barker Steve Flowerday, MSc Kate Harris, BA Roger James Professor Jeremy Rayner

Animal Welfare Committee

Terms of Reference: To advise Council on matters relating to animal welfare in the Collections, at both London Zoo and Whipsnade Wild Animal Park, at the Institute of Zoology and in the work of Field Conservation & Consultancy.

Professor Patrick Bateson, PhD, ScD, FRS, Chairman
Tony Sainsbury, BVetMed, CertLAS, CertZooMed,
MRCVS, Secretary
Brian Bertram
Lynda Birke, MPhil, DPhil
Andrew Higgins, BVetMed, MSc, PhD, CBiol, FIBiol,
MRCVS
Arthur Lindley, MA, DPhil
Georgia Mason, PhD
David Pritchard, BVetMed, BSc, MPH, MRCVS
Christopher Sherwin, BSc, PhD
Robert Wingate

Ethics Committee

Terms of Reference: To advise the Director of Science on welfare and ethical aspects of all scientific studies involving interventions with animals carried out by ZSL staff, or by other workers on ZSL premises or on ZSL animals.

Edmund Flach, MA VetMB, Chairman
Carol Williams, BTEC, HNC, Secretary
Alison Moore, PhD, Home Office Liaison
Alexandra Dixon, BA, MSc
Andrew Higgins, BVetMed, MSc, PhD, CBiol, FIBiol, MRCVS
Roger Ewbank, MVSc, CBiol, FIBiol, MRCVS, OBE
Simon Tonge, BSc
Ex officio:
Director of Science
Juliet Clutton-Brock, PhD, DSc

Awards Committee

Georgina Mace, OBE, DPhil

Terms of Reference: Council presents the following awards for contributions to zoology: The Prince Philip Prize, Thomas Henry Huxley Award, Stamford Raffles Award, Silver Medal, Scientific Medal, ZSL Frink Medal for British Zoologists and ZSL Marsh Award for Conservation Biology. The Committee advises Council on all matters relating to these awards.

Professor Mike Hassell, DPhil, DSc, FRS, Chairman Geraldine Baker, BSc Professor Geoff Boxshall, PhD, FRS Professor Malcolm Burrows, ScD, FRS Professor Pat Butler, PhD, CBiol, FIBiol Professor Tom Cavalier-Smith, PhD, FRS Professor Sir Brian Follett, PhD, ScD, FRS Dr Bryan Grenfell, DPhil Professor Paul Harvey, DPhil, DSc, FRS Professor Sir John Krebs, FRS Professor John Shepherd, PhD, FRS Professor William Sutherland, PhD

Institute of Zoology Committee

Terms of Reference: To advise the Society and the University of London under the terms of the Agreement between them; to consider and make recommendations on all matters relating to the Institute of Zoology.

Professor Lance Lanyon, BVSc, PhD, DSc, MRCVS, Chairman

Professor Clive Catchpole, PhD Professor Alan Hildrew, PhD

Professor Colin Howard, PhD, DSc, MRCPath, CBiol,

FIBiol

Professor Linda Partridge, DPhil, FRSE

Robin Pellew, PhD

Ex officio:

University of London

Vice-chancellor

Principal

Chairman of Convocation

Zoological Society of London:

President

Secretary

Treasurer

Director of Science

London Zoo Board

Terms of Reference: To provide specialist advice on the objectives of London Zoo and on specific aspects of its management; to approve the annual business and financial plan and recommend it to Council; to approve any in-year variances to the plan; to review and approve any capital developments.

Ken Sims, Chairman

Michael Daubney

Stephen Harrison

Martin Jiggens, FRICS, FSVA, FRSA

Peter Stevens, BSc, MIBiol

Jonathan Swire

Director General

Director, London Zoo: Jo Gipps, OBE, PhD

Director of Personnel: Ian Meyrick, BA, FIPD

Director of Finance: Norman Reed, BSc, FCA

Whipsnade Wild Animal Park

Terms of Reference: To provide specialist advice on the objectives of Whipsnade Wild Animal Park and on specific aspects of its management; to approve the annual business and financial plan and recommend it to Council; to approve any proposed in-year variances to the plan; to review and approve any capital developments.

Professor Roger Wheater, OBE, CBiol, FIBiol, FRSGS,

FRSA, FRSE, Chairman

Simon Bearder

Ken Lewis

Sir David Madel, MP

Neville Reyner, BSc, MBA, CEng FIEE, FIMgt

Director General

Director, Whipsnade Wild Animal Park: Stuart Earley,

MInstD, MInstM, FInstSMM

Director of Personnel: Ian Meyrick, BA, FIPD Director of Finance: Norman Reed, BSc, FCA

Advisory/Editorial Boards for ZSL Publications

Animal Conservation

Editors: Michael W Bruford, PhD

John L Gittleman, DPhil

Georgina M Mace, OBE, DPhil

Robert K Wayne, PhD

Book Review Editor: Peter Cotgreave, DPhil

Advisory Board: Professor Jared Diamond, PhD

> Professor Stuart Pimm, PhD Professor Stephen Stearns, PhD

Animal Conservation also has an Editorial Board

International Zoo Yearbook

Editors: Peter Olney, BSc, DipEd, CBiol, FIBiol, FLS

Fiona Fisken, BSc

Assistant Editor: Helen F Stanley

Editorial Board: Jeremy Mallinson, OBE, CBiol, FIBiol,

FRGS, Chairman

Marcia Edwards, PhD, FLS

Nick Jackson

Professor Janet Kear, OBE, PhD

John Knowles, OBE

Georgina Mace, OBE, DPhil

Professor Roger Wheater, OBE, CBiol,

FIBiol, FRSGS, FRSA, FRSE

Journal of Zoology

Managing Editor: Dr Juliet Clutton-Brock, PhD, DSc

Editors:

Professor Ian Boyd, PhD, DSc

Professor Tim Halliday, MA, DPhil

Professor Philip Rainbow, PhD, DSc

Editor of short communications:Dr Martin L Gorman, PhD Journal of Zoology also has an Editorial Board

Library Advisory Group

Peter Olney, BSc, DipEd, CBiol, FIBiol, FLS, Chairman Professor R. McNeill Alexander, PhD, DSc, CBiol,

FIBiol, FRS

John Edwards, MA, FLS

Beryl Leigh, PhD

Joan Thorne

Amanda Pickard, PhD

Staff

As at 31 December 1999

Directors

Director General: Vacant

Acting Director of Science: William V. Holt, PhD

Director, London Zoo: Jo Gipps, OBE, PhD

Director, Whipsnade Wild Animal Park: Stuart Earley,

MInstD, MInstM, FInstSMM

Director, Field Conservation & Consultancy: Alexandra

Dixon, BA, MSc

Director of Finance: Norman Reed, BSc, FCA Director of Personnel: Ian Meyrick, BA, FIPD

Central Functions

Secretary/PA to Director General: Vacant

Personnel

Director of Personnel: Ian Meyrick, BA, FIPD Senior Personnel Officer: Marcia Latty, GradIPD

Personnel Administrator: Debbie Wade Pensions Administrator: Peter Carey (p/t)

Health and Safety

Security & Safety Manager: Brian Nutkins

Secretary: Brenda Tonks

Consulting Medical Referee: Kenneth Lewis, MA, BM,

BCh

First Aid Attendant: Grace Reay

Weekend First Aid Attendant: Yilshane Ali

Switchboard/Reception

Receptionists: Marcia Clarke; David Hitchcock (p/t); Joanne Kent (p/t); Gwen Manning (p/t); Claire McMonagle-Nishinaka (p/t); Veronica Powell

Finance

Director of Finance: Norman Reed, BSc, FCA

Secretary: Susan Morgan

Financial Controller: Keith Hayward, FCCA

Financial Accountant: Joan Jupp

Management Accountant: Charles Biggie Project Accountant: Martin Dowling, BSc Cash Book Keeper: Gill Lewin (p/t)

Chief Cashier: Dave Lack

Cashiers: Les Oxley; Joe Piggott; Alison Coutts Payments Supervisor: Lynette Archer-Morgan

Wages clerk: Vacant

Fellowship Office

Fellowship Services Manager: Marion Hoyland

Fundraising

Fundraising Consultant: Peter Emery (p/t)

Information Technology

IT Manager: Rob Jinman

IT Support Assistants: Sean McBirnie; Matthew Longley

Library

Librarian: Ann Sylph, BSc, MSc, MIInfSc Assistant Librarian: Michael Palmer, BA, MA Library Assistant: Anna Marie Monaghan; Jenny Makeham

Press & PR Office

Senior Public Relations Officer: Debbie Curtis, BSc Assistant Public Relations Officer: Joe Laing BA

Publications

ZSL Scientific Books (International Zoo Yearbook, Conservation Biology and Symposia series, Science for Conservation)

Editors: Peter Olney, BSc, DipEd, CBiol, FIBiol, FLS; Fiona Fisken, BSc

Assistant Editor: Helen Stanley, PhD, BSc Sales Administrator: Mychael Barratt (p/t)

Animal Conservation, Journal of Zoology, Symposia, Nomenclator Zoologicus, Zoological Record Managing Editor (Journal of Zoology): Juliet Clutton-Brock, PhD, DSc

Honorary Editor, Zoological Record & Nomenclator

Zoologicus: Marcia Edwards, PhD, FLS Assistant Editor: Linda DaVolls, BA Editorial Assistant: Patricia Manly

Institute of Zoology

Acting Director: William V. Holt, PhD

Institute Administrator: Christina Herterich, ACIS

Conservation Genetics: Vacant Ecology: Richard Pettifor, PhD

Reproductive Biology: William V. Holt, PhD

Veterinary Science: Anthony W. Sainsbury, BVetMed,

CertLAS, CertZooMed, MRCVS

Administrative and Support Staff

Assistant Institute Administrator: Phillip G. Cottingham, BTec (CED), MIScT

PA to Director of Science: Joanne Keogh Administrative Assistant: Katrine Garn, MSc

Secretaries: Anna-Marie Cummins; Catherine Kerr, BA

Honorary Research Fellows

Sarah Cleaveland, VetMB, PhD; Peter Daszak, PhD; George H. DuBoulay, CBE, MB, BSM, FRCP, DMRD; Julie Garnier, DVM; Heather Hall, PhD; Peter Kertesz, BDS, LDS; Professor James K. Kirkwood, BVSc, PhD, MRCVS; Mark O'Connell, PhD; Amanda Vincent, PhD; Professor Paul F. Watson, BSc, PhD, BVetMed, DSc, MRCVS; Stuart Williams, PhD; Bruce Winney, PhD

Postdoctoral Staff and Veterinary Officers

Peter Armbruster, PhD; Michelle Bayes, PhD; Peter M.
Bennett, PhD; Andrew F. Bourke, PhD; Kate Byrne, PhD;
Christopher Carbone, DPhil; Claudio Ciofi, PhD;
Timothy Coulson, PhD; Guy Cowlishaw, PhD; Andrew
A. Cunningham, BVMS, MRCVS; Sarah M. Durant,
PhD; Alireza Fazeli, PhD; Edmund Flach, MA, VetMB,
MSc, MRCVS; Louisa Jenkin, PhD; Paul Jepson, BVMS,
MRCVS; William Jordan, PhD; Georgina M. Mace, OBE,
DPhil; Alison Moore, PhD; Amanda Pickard, PhD;
Marcus Rowcliffe, PhD; Stuart Semple, PhD; Susan M.
Thornton, BSc, BVetMed, MRCVS

Technicians and Support Staff

Chief Technician: David Cheesman, BTec, HNC Chief Technician (Animals): Carol Williams, BTEC, HNC

Senior Technicians: Dada Gotelli, BSc; Daphne I. Green, HNC, AIScT

Senior Technician (Animals): Andrew G. Hartley,

BAgricSc

Animal Technicians: Mandy Gordon, IIAT; Jake

Rozowski

Senior Workshop Technician: Selwyn Mundy Senior Photographic Technician: Terry R. Dennett, MinstPl

Technicians: Tracy Howard, BSc; Miranda Kadwell, BSc; Shaheed Macgregor, HTec, MSc; Elisabeth Thornton, BSc

General Laboratory Assistant: Breda Farrell Research Assistants: Rob Deaville, BSc; Robert Hutchinson, MSc

Senior Veterinary Nurse: Gillian Ahearne VN Veterinary Nurses: Gillian Bell, BSc, VN; Christine Dean, VN; Joanne Dodds, VN

Postgraduate Research Students

Johnathan Baillie, MES; Daisy Balogh, MRes; Jacob Bro-Jorgensen, MSc; Angus Carpenter, MSc; Rosella Chapman MSc; Dave Cope, BSc; Juliet Dukes, MSc; Jim Groombridge, BSc; Katherine Little, MRes; Tom Maddox, BSc; Sam Mendelson, MRes; Sue O'Brien, MPhil; Susy Paisley, BSc; Octavio Paulo, BSc; Russell Seymour, MSc; Lisa Thurston, BSc; Saffron Townsend BSc

Field Conservation & Consultancy

Director: Alexandra Dixon, BA, MSc Secretary/PA to Director: Jane Loveless Project Manager: Claire Belsham, BSc YR2000/Project Seahorse Administrator: Alice Courage

Overseas Staff

Adam Britt, PhD; Jacques Flamand, BSc, BA, VetMB, MRCVS; John Grainger, PhD; Suresh Job; Richard Kock, BA, VetMB, MRCVS; Jessica Meeuwig; Kathryn Monk, PhD; Saeed Mubarak, VetMB; Iyad Nader, PhD; Zelealem Ashenafi Tefera, MSc; Tim Wacher, PhD; Bruce Winney, PhD

London Zoo

Director: Jo Gipps, PhD
Secretary/PA to Director: Barbara Salmon, BA

Animal Management

Senior Curator: Simon Tonge, BSc Secretary: Joanne Kingston

Conservation Programmes Co-ordinator: Sarah Christie,

BSc

Registrar: Elspeth Chaplin Zoo Manager: Bill James Curator of Mammals: Vacant

Curator of Invertebrates: Paul Pearce-Kelly Curator of Lower Vertebrates: Heather Hall, PhD Head Keepers: Gerald Asher; Mick Carman; Ray Charter; Dave Clarke; Brian Harman; Paul Harrington; Fred Smith; Linda Walker; Esther Wenman, BA; Frank Wheeler, Brian Zimmerman, BA Senior Keepers: Alan Alder; Vanessa Asher; Nichola Burnett, BSc; Mike Clark; Matthew Fagg; Amanda Ferguson, BSc; Malcolm Fitzpatrick; Matthew Hennessy; Andy James; Patsy Joseph; Paul Kybett; Margaret Lamb; Tracey Lee; Keith Lloyd; Andrea McKenna; Simon Mannall; Terry March; Duncan McGinnie; Jeff Nicklin; Jacqueline Ossowski, BSc; John Pullen; Dave Robinson; Jim Robson; Mike Tiley; Caroline Waddell, BSc; Chris Wickenden; Sarah Young; Steve Young Qualified Keepers: Paul Atkin; Margaret Baukham; Tony Cholerton; Rachel Jones, MSc; Karen Nolan, BSc; Lawrence Raybone; Scott Sturgeon; Luciana Wagner; Craig Walker; Steve Whitelock Trainee Keepers: Nigel Court, BA; Mark Habben, BSc; Anna Humberstone, BSc; Lyndsey Marsh, BSc; Nicola McKay; Newton Pellatt, BSc; Jo Pratt, BSc; Jenny Sprent, BSc; George Sunter, BSc; Marie Whatmaugh, BSc

Marketing & Public Relations

Head of Marketing & Public Relations: Sharon Ament,
MA, DipCIM
Secretary: Becky Ann Chick
Group & Conference Sales Executive: Terry Lester
Promotions Executive: Jill Ratcliffe, BSc
Lifewatch & Adoptions Administrators: Sarah Leggett;
Jason Diplock
Marketing Administrator: Katherine Duffin
Lifewatch Adoptions: Claire Reader

Visitor Information & Education

Robinson, BEd

Secretary: Joanne Cooper, BA

Education Officers: Tracy Dalton, BSc; Anna Keen, MSc

Volunteer Co-ordinator: Natalie Pain, BA, PGDip

School Visits Co-ordinator: Rebecca Westerland, LLB

Interpretation Officer: Clare Kelly, BSc

Graphics Co-ordinator/Print & Stationery Buyer: Adrian

Taylor

Head of Visitor Information & Education: Claire

Site & Services

Site & Services Manager: Graham Roden
Secretary: Dot Price
Maintenance Supervisor: Colin Rolfe
Contracts Supervisor: John Fitzgerald
Supplies Buyer: Chris Major
Electrical Foreman: Robin Fitzgerald
Electrician/AV: Peter Smith
Trainee Electrician: Garry West
Carpenters: Stan Bonsey; Lee Risdale
Semi-skilled Craftsmen: Jim Baker, John Pearce
Painters: Paul Anscombe (p/t); Bill Manly; Terry
Sheehan (p/t)
Plumbers: Martin Foster; Steven Roberts

Wireworker: Tony Connolly Trainee Wireworker: Dave Field

Fitter: John Froud

Head Gardener: Martin P

Head Gardener: Martin Pett, MIHort Gardens Foreman: Noel Heaphy Gardeners: Ian Ament; Rodney Lynch; George Manly;

Jacqueline Smith; Graham Southard

Animal Food Stores Chargehand: Bob Ashmore

Maintenance Storeman: Alex James Butcher/Driver: Ron

Harrison

Grounds and Transport Supervisor: Peter Walker-Croft Grounds abd Transport Foreman: Jamie Turner Groundstaff: Beatrice Ampong; Graham Bukovics; Sharon Crawford; Colin George; Gerry Houlder; Colin Jeans; Renuka Lutchman; Alice Sarpong; Anna Thornburrow; Odit Tiwari

Security Gatekeepers: Melvin Brockwell; Paul Brown; George Scofield

Visitor Services

Head of Visitor Services: Yvonne Ubels Assistant Retail Manager: Jayne Powell Office Administrator: Elizabeth Allard

Supervisors: Suzanne Cole; Gary Constantine; Bob McLaughlin; Evon Nicholas; Chivanan Ramdass

Warehouse Supervisor: Neil Foot

Visitor Services Assistants: Mo Berichiek (p/t); Margaret Brown; Patricia Delius; Fozan Mirza; Patience Djima; Mandy Jones (p/t); Bala Patel (p/t); Anne Powell; Christopher Powell

Events Manager

Events Manager: Roger Tomlinson Senior Presenter: Andy Hallsworth

Presenters: Mark Dalton; Rob Goodchild; Anna Russell

Whipsnade Wild Animal Park

Director: Stuart Earley, FInstD, MInstM, FInstSMM Secretary/PA to Director: Gill Farrell

Finance and Information Technology

Financial Controller: Roman Bodnarec, MIDM Senior Accounts Clerk: Carol Davies Assistant Accounts Clerk: Faye Kirby Senior Cashier: Joan Lee

Accounts/Cashier's Assistants: Sylvia Black; Janet

Hughes

Stores: Tony Latham

Operations

Operations Manager: Linda Hughes, GradIPD

Operations Assistant: Jo Woodhead

Volunteer Co-ordinator/Outreach: Graham Lucas

Railway Manager: Ian Gordon Supervisor, Railway: Tony Button

Railwayman: Mick Dickens

Park Services Co-ordinator: Mick Shillingford Supervisors, Park Services: John Bradley Groundsmen: Bernard Hawkins; David Hawkins

Gardens Chargehand: Rob Scanlan

Gardener: Paul Paterson

Craftsmen: Jim Harrold; Dave Law; Shaun Smith; Mick

Stoughton; Jim Whinnett Trainee: Rob Harris

Retail and Main Gate

Retail & Gate Manager: Maureen White Assistant Retail/Gate Supervisors: Yasmin Bates; Tessa Roch

Catering

Banqueting Manager: David Barker Deputy Managers: Zoe Fitzpatrick; Simon Kemp Assistant Managers: Amanda Feenan; Jackie Horswell

Marketing & Development

Marketing & Development Manager: Miranda Kennett-Scott, BA, MSc, MDip, MCIM Senior Customer Services Assistant: Margaret Hull Graphics Executive: Simon Hodge, BSc PR Executive: Jane Reeve, BSc Membership Executive: Paula Stoughton Membership Assistant: Julie Heard (p/t) Customer Services/Marketing Assistant: Emma Cook Customer Services Assistant: Jan Harwood

Education

Education Officer: Claire Bidder, BSc

Animal Management

Curator: Nick Lindsay, BSc, CBiol, MIBiol Assistant to Curator: Dena Richards Regional Co-ordinators: Rob Hutton; Andy White Animal Activities Co-ordinator: Les Radford Deputy Co-ordinators: Clive Bates; Cliff Tack Bird Show Organiser/Demonstrator: Andy Reeve Senior Keeper in charge of Elephants: Lee Sambrook Senior Keepers: John Baines; Mark Best; Mark Brett; Roger Catchpole; Carole Day; Joy Lear; Melvin Lear; Alan Morris; Trevor Moxey; Frank Smith; Marilyn Spittel; Ken Taylor; Pete Williams Qualified Keepers: Rebecca Cooper; Phil Curzon; Donovan Glynn; Sarah Gollop; Jim Gregory, BSc; Mark Holden, BSc; Sian Lamb; Rebecca Raymond; Cheryl Seymour; Sarah Taylor, BSc; Corina Thorne Veronica Watkins; Craig White Trainee Keepers: Mike Hayward; Deane Kingham; Steve Patrick

Obituaries

We record with regret the deaths in 1999 of:

Anthony K Fitzgerald (Senior Veterinary Nurse) John (Jack) Richards (Visitors Services)

and the following pensioners:

Mrs E M Clouston; Mrs E De Marco; Mr W Dixon; Mr G Figgett; Mr P Gabriel; Mr E F Swain; Mr A T Tilbury

Volunteers

As at 31 December 1999

Administration

Jill Beck; Dorothy Gingell; Maureen Hart

Animal Management

Andie Bennywoth; Gary Bennyworth; Amanda Brown; Andy Brown; Sam Cordwell; Amanda Currie; Ailsa Farqhurst; Jenny Fulford; David Gibson; Glyn Hennessey; Derry Hutchcroft; Lucy Manning; Jacky Newman; Sarah Norris; Russell Pethurst; Tanya Ryan; Roger Stanley

Education

Laurie Allen; Raj Amin; Hazel Amor; Arfan Aziz;
Peter Arnold; Pam Beanlands; Jill Beck; Shirley Biggs;
Denise Blackwell; Sally Brough; Joan Browett; Simon Brown;
Lilah Cameron; Debbie Catt; Lai Chug Choy; Steph Claxton;
John Clifford; Sid Cocks; Andrew Colman; Mary Colwill;
Daphne Cross; Tracey Cullen; Geof Cutting;
Ann Curtis; Gladys Davies; Phil Davies; Sian De Sousa

Mary De Zouche; Felix Fifer; George Fitt; Ann-Katrine Garn; Janet Gates; Celia Gaya; Trish Gibson; Angela Gilham; Valery Golding; Nevil Gorthy; Dot Gyngell; Daphne Hamilton; Maureen Hart; Ron Hart; Katherine Hartmann; Margaret Hinkley; James Holden; Susan Hyde; Gina James; Janice James; Miranda Jenkins; Jenny Jennings; Janina Jezierski; Katharine Jezierski; Iris Johnson; Edward Jones

Bev Jordan; Fiona Kiel; Noreeko Kimuro; Robert Langstone; Joyce Hunter Lieberman; Natasha Lewis; Joyce Lockyear; Neale Lunn; Tracy M; Veronica McDougal; Gary McGuire; Rhonda Maclean; Alan Madge; Hilary Marsh; Marina Marshal; Beryl May; Paula Maycock; Anna Mentzel; Carol Mintey; HA Moore; Jackie Mutton; Mark Navin; Anne O'Brien; Prafulla Patel; Rosalind Pike; Pamela Portefield

Nargiz Price; Jean Reich; Hilda Reiley; Renato Ruocco; Jackie Russell; Jo Smith; Julie Smith; Maurice Sobell; Ruth Sober; Margaret Stafford; Susan Street; Ann Turner; Amelia Walker; Antony Walker; Janet Warner; Delene Welch; Jane Wheeler; Christine White; Jill Wilkinson; Georgina Wong; David Wooderson

Library

Peter Arnold; Colin Blaikley; Ailsa Edwards; Valery Golding; Royce Harris; Bryan Johnson; Hilary Marsh; Joan Salamon; Maurice Sobell; Andre Verstraete

Whipsnade Wild Animal Park

Jean Anderson; Michael Atkins; Heather Bardner; Jill Bilcock; Jill Broad; John Brooker, Allison Brooks; Leile Brown; Carol Butler; Sidney Cocks; Maureen Cook; Lee Crossman; Kathleen Eames; Kenneth Eames; Arthur Ellis; Pamela Erwood; Elaine Fairey; Wendy Fitzgerald

Denis Garner; Maggie Garrett; Erica Godman; Evelyn Goodman; Nevil Gorthy; James Griffin; Norman Hancock; Pamela Harry; Peter Hawkins; Karen Herbert; Pauline Hodgson; Dorothy Isaacs; Dennis Jones; Miriam Martin; Barbara Maryan; Patricia McBride; Stuart Minall; Patricia Mitchell; David Neave; Audrey Perrott Gilly Pugsley; Ilid Putnam; Rebecca Sandifer; Raye Sawyer; Peter Scrivener; Christine Sharpe; Kenneth Sharpe; Walter Smith; Mary Snoxall; Mac Speed; Sandra Swan; Lorna Taylor; Gillian Tomkins; Hans van der Grinten; Elizabeth Webb; Ronnie Westcott; Naomi White; Patricia Wickens; Jennifer Wynn; Jean Young; Jo Young

The Society warmly thanks all the volunteers who have done so much to help its work in 1999.

If you are interested in becoming a volunteer, please ask the Volunteer Co-ordinators at London Zoo or Whipsnade Wild Animal Park for further details.

Collaboration with zoological, conservation, research and other organizations

Animal Gene Storage Resource Centre of Australia African Wildlife Foundation (Uganda).

Anglian Water

Antenne Orstom aupres du Centre Pasteur (Cameroon)

Bayer plc

Berlin Institute of Zoo Biology and Wildlife Research (Germany)

BirdLife International

Bolovian National Fauna Collection

Center for Environment, Fisheries & Aquaculture Science (Lowestof-Burnham-on-Crouch)

Centre de Coopération Internationale en Recherche Agronomique pour le Dévelopment (CIRAD) (France)

Chester Zoo

Columbus Zoo

Department For International Development

Department of National Parks and Wildlife Conservation (Nepal)

Department of Wildlife (Ghana)

Department of Wildlife and National Parks (Peninsular Malaysia)

Durrell Wildlife Conservation Trust (Jersey)

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English Nature

Estación Experimental de Zonas Aridas, Consejo Superior de Investigaciones Científicas (Spain)

Ethiopian Wildlife Conservation Organization, and Regional Council of Amhara State

Euro-Asian Reginal Association of Zoos and Aquaria

Fauna and Flora International

Fisheries Research Services (Aberdeen & Pitlochry)

Gibraltar Ornithological and Natural History Society

Glaxo Wellcome

Global Tiger Patrol

Great Bustard Trust

Haribon Foundation for the Conservation of Natural

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Herpetofauna Consultants International

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Instituto Nationale per la Fauna Selvatica (Italy)

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JSR Healthbred Ltd

Kadoorie Charitable Foundations

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King Khalid Wildlife Research Centre (Saudi Arabia)

King Mahendra Trust for Nature Conservation (Nepal)

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Leicestershire and Rutland Wildlife Trust

Leiden Museum (The Netherlands)

Leuser Development Programme (Sumatra, Indonisia)

Macaulay Land Use Research Institute

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McGill University (Canada)

Michigan State University (USA)

Minnesota Zoo (USA)

Namibian Evolutionary Ecology Group (Namibia)

National Academy of Science (Bolivia)

National Commission for Wildlife Conservation and

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National Museum of Scotland

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Natural History Museum

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PIC International Ltd

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Royal Society for the Protection of Birds

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St Mary's Hospital

Save The Tiger Fund

Scottish Agricultural College

Scottish National Heritage

Scottish Office

Sea Mammal research Unit (Cambridge)

Silsoe Reserach Institute

Smithsonian Institution (USA)

States of Jersey Department of Agriculture

Sumatran Tiger Project (Indonesia)

Tanzania National Parks

Tanzanian Wildlife Research Institute

Tebodin (Belgium)

Thai Zoological Parks Organisation

The Babraham Institute (Cambridge)

The National Council for South American Camelids

(CONACS) (Peru)

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Veterinary Investigation Centre (Truro)

Western Plain Zoo (Australia)

WildAid

Wildlife Conservation Reserach Unit (Oxford)

Wildlife Conservation Society (USA)

World Conservation Union (IUCN)

World Wide Fund for Nature (East African Regional Office)

World Wide Fund for Nature US

Yale School of Forestry and Environmental Studies

ZooDent International

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Behaviour: Guy Cowlishaw (Member, Editorial Board)

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British Veterinary Zoological Society: Sue Thornton (Council Member)

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Cheetah Conservation Fund: Sarah Durant (Member, International Scientific Advisory Board)

Department of the Environment, Transport & the Regions: Peter Bennett (Member, Cetaceans Strandings Steering Group).

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International Association of Avian Trainers and Educators: Roger Tomlinson; Andy Hallsworth (Members)

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International Zoo Educators: Claire Robinson (Member)

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(Member, Veterinary Specialist Group, and Conservation Breeding Specialist Group).

Journal of Reproduction and Fertility: William Holt (Member, Editorial Board)

Luton Economic & Development Council: Stuart Earley (Member)

Madagascar Fauna Group: The Zoological Society of London (Corporate Member).

Marwell Preservation Trust: Nick Lindsay (Member, Animal Management Committee).

Natural Environment Research Council: Georgina Mace (Member, Terrestrial Sciences Peer Review Committee).

Pacific Island Land Snail Group: Paul Pearce-Kelly (International Co-ordinator, Partula snail programme); Dave Clarke (International Studbook Holder).

Primate Society of Great Britain: Guy Cowlishaw (Council Member)

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UK Federation of Zoos: Jo Gipps (Honorary Treasurer)

UK Government Wildlife Law Enforcement Steering Group: Michael Bruford (Member)

UK Pig Reproduction Research Liaison Group: William Holt (Member)

UK Overseas Conservation Forum: Paul Pearce-Kelly (Member)

Universities Federation for Animal Welfare: Norman Reed (Trustee)

Wildlife and Countryside Link: Alexandra Dixon (Member, ZSL Representative; Vice-Chairman, Conventions Group).

World Association of Wildlife Veterinarians: Tony Sainsbury (President)

World Zoo Organisation: Jo Gipps (Member)

Zoo Forum: Heather Hall (Member)

Zoo Outreach Organization, India: The Zoological Society of London (Corporate member).

Publications by ZSL staff and researchers

Armbruster P, Fernando P & Lande R (1999). Time frames for population viability analysis of species with long generations: an example with Asian elephants. *Animal Conservation* 2: 69-73.

Armbruster P, Bradshaw W E, Steiner A L & Holzapfel Cm (1999). Evolutionary responses to environmental stress by the pitcher-plant mosquito, *Wyeomyia smithii*. *Heredity* 83: 509-519.

D'alterio G L, Sainsbury A W, Macgregor S K, Baha El Din Sm, Taylor M & Wenman E L (1999). Health assessment of the Egyptian tortoise, *Testudo kleinmanni*, in release studies. *Erkrankungen der Zootiere* 39: 433-435.

Barnett L K, Emms C, & Clarke D (1999). The coconut or robber crab (*Birgus latro*) in the Chagos Archipelago and its captive culture at London Zoo. In *Ecology of the Chagos Archipelago Linnean Soc. Occas Publ. No. 2*: pp 273-284 (Eds C R C Shepherd & M R D Seaward). Scientific Publishing, Otley, West Yorkshire.

Barratt E M, Gurnell J, Malarky G, Deaville R & Bruford M W (1999). Genetic structure of fragmented populations of red squirrel (*Sciurus vulgaris*) in Britain. *Molecular Ecology* S12: 55-65.

Beaumont M A (1999). Detecting population expansion and decline using microsatellites. *Genetics* 153: 2013-2029.

Beaumont M A & Bruford M W (1999). Microsatellites in conservation genetics. In *Microsatellites: evolution and applications:* pp.165-182. (Eds D B Goldstein & C Schlotterer). Oxford University Press, Oxford.

Bourke A F G (1999). Colony size, social complexity and reproductive conflict in social insects. *Journal of Evolutionary Biology* 12: 245-257.

Bourke A F G & Chan G L (1999). Queen-worker conflict over sexual production and colony maintenance in perennial social insects. *American Naturalist* 154: 417-426.

Bourke A F G & Ratnieks F L W (1999). Kin conflict over caste determination in social Hymenoptera. Behavioral Ecology and Sociobiology 46: 287-297.

Burland T M, Barratt E M, Beaumont M A & Racey P A (1999). Population genetic structure and gene flow in a gleaning bat, *Plecotus auritus. Proceedings of the Royal Society of London, Series B* 266: 975-980.

Carbone C, Mace G M, Roberts S C & Macdonald D W (1999). Energetic constraints on the diet of terrestrial carnivores. *Nature* 402: 286-288.

Chan G L, Hingle A & Bourke A F G (1999). Sex allocation in a facultatively polygynous ant: between-population and between-colony variation. *Behavioural Ecology* 10: 409-421.

Ciofi C (1999). The Komodo dragon. Scientific American 280(3): 64-71.

Ciofi C & Bruford M W (1999). Genetic structure and gene flow among Komodo dragon populations inferred by microsatellite loci analysis. *Molecular Ecology* S12: 17-30.

Ciofi C, Beaumont M A, Swingland R I & Bruford M W (1999). Genetic divergence and units for conservation in the Komodo dragon *Varanus komodo*. *Proceedings of the Royal Society of London, Series B* 266: 2269-2274.

Clarke F (1999). Determinants of reproductive status and mate choice in captive colonies of the naked mole-rat, Heterocephalus glaber. PhD Thesis, University of London.

Clauss M, Suedmeyer W K & Flach E J (1999). Susceptibility to cold in captive giraffe (Giraffa camelopardalis). Proceedings of the American Association of Zoo Veterinarians Annual Conference (Columbus, Ohio). 9-14 October 1999: 183-186.

Clauss M, Flach E J, Ghebremeskel K, Hatt J-M & Tack C (1999). Supplementing the diet of captive giraffe (Giraffa camelopardalis) with linseed extraction chips. Proceedings of the 1st European Zoo Nutrition Meeting (Rotterdam, The Netherlands). 8-11 January 1999: 49.

Clifford S L, Jeffery K J, Bruford M W & Wickings E J (1999). Identification of polymorphic microsatellite loci in the gorilla (*Gorilla gorilla*) using human primers: application to noninvasively collected hair samples. Molecular Ecology 8: 1556-1557.

Coote T (1999). The genetics and conservation of Polynesian tree snails (Family: Partulidae). PhD Thesis, University of London.

Coote T, Loeve E, Meye J-Y & Clarke D (1999). Extant populations of endemic partulids on Tahiti, French Polynesia. *Oryx* 33(3): 215-222.

Coulson T, Albon S, Pilkington J & Clutton-Brock T (1999). Small-scale spatial dynamics in a fluctuating ungulate population. *Journal of Animal Ecology* 68: 658-671.

Coulson T N, Albon S D, Slate J & Pemberton J M (1999). Microsatellites reveal sex dependent responses to inbreeding and outbreeding in red deer calves. *Evolution* 53: 1951-1960.

Cowlishaw G (1999). Ecological and social determinants of spacing behaviour in desert baboon groups. *Behavioral Ecology and Sociobiology* 45: 67-77.

Cowlishaw G (1999). Predicting the pattern of decline of African primate diversity: an extinction debt from historical deforestation. *Conservation Biology* 13: 1183-1193.

Christie S (1999). European Studbook for tigers: No. 4. Zoological Society of London, London.

Curtis D J, Zaramody A, Green D I & Pickard A R (1999). Non-invasive monitoring of reproductive status in wild mongoose lemurs (*Eulemur mongoz*): an investigation of faecal steroid excretion patterns. *Proceedings of the 7th World Conference on Breeding Endangered Species in Captivity (Cincinnati, Ohio)*. 22-26 May 1999.

Daszak P & Cunningham A A (1999). Extinction by infection. Trends in Ecology and Evolution 14: 279.

Daszak P & Cunningham A A (1999). Wildlife diseases and global extinction: lessons from the Partula snail conservation program. 48th Annual Conference of the Wildlife Disease Association (University of Georgia, Athens, USA). 8-12 August 1999.

Daszak P, Cunningham A A & Hyatt A D (1999).

Emerging infectious diseases of wildlife: role in amphibian population declines and global implications.

Conference on Emerging Diseases: Veterinary Medicine, Agriculture and Human Health (University of Georgia, Athens, USA). 13-14 August 1999.

Daszak P, Cunningham A A, Hyatt A D, Berger L, Green D E, Speare R, Farmer M A & Porter D (1999). Chytridiomycosis of amphibians: investigating an emerging infectious disease of wildlife. 48th Annual Conference of the Wildlife Disease Association (University of Georgia, Athens, USA). 8-12 August 1999.

Di Concetto S (1999). Investigation of hybridisation between grey wolf (Canis lupus) and domestic dog (Canis familiaris) in Greece using microsatelite analysis. MSc Thesis, University of London.

Dorji T Y (1999). A study of gastrointestinal nematodes and their effect on maras (Dolichotis patagonum) at Whipsnade Wild Animal Park, Bedfordshire, UK. MSc Thesis, University of London.

Dornath A K (1999). Approaches to the cryopreservation of cichlid fish and mammalian spermatozoa. MSc Thesis, University of London.

Ebbinge B S, Berrevoets C, Clausen P, Ganter B, Günther K, Koffijberg K, Mahéo R, Rowcliffe J M, St Joseph A Km, Südbeck P & Syroechkovski Jnr E E (1999). Darkbellied brent goose *Branta bernicla bernicla*. In *Goose populations of the western Palaearctic*. A Review of Status and Distribution: pp. 284-297. Wetlands International Publication No. 48. (Eds. J Masden, G Cracknell & A D Fox). Wetlands International/National Environmental Research Institute, Wageningen, The Netherlands/Ronde, Denmark.

Fazeli A R, Duncan A E, Watson Paul F & Holt W V (1999). Sperm oviduct interaction: induction of capacitation and preferential binding of uncapacitated spermatozoa to oviductal epithelial cells in porcine species. *Biology of Reproduction* 60: 879-886.

Flach E J (1999). Review of "Chemical immobilization of wild and exotic animals" L Nielson. Ames, Iowa State University Press, 1999. *Veterinary Record* 145: 350.

Flach E (1999). Physical restraint of giraffe at Whipsnade for clinical examination and treatment. *Veterinary Workshop on Zoo Ungulates*. (Ed. E Flach). BVZS Newsletter, Summer 1999, 38: 22-23.

Flach E J & Clauss M (1999). Copper deficiency in Yak (Bos grunniens) at Whipsnade Wild Animal Park. In Recent advances in environmental enrichment nutrition and legislation of zoo and exotic pet animals. British

Veterinary Zoological Society, Spring Meeting (Paignton Zoo). 5-6 June 1999.

Flach E J, Klemt A, Pow I, Reid H W & Tack C (1999). Studies on the gamma herpesvirus carrier status of scimitar-horned oryx (*Oryx dammah*) and gemsbok (*Oryx gazella*). (Ed. C Kirk Baer). *Proceedings of the American Association of Zoo Veterinarians Annual Conference* (*Columbus, Ohio*). 9-14 October 1999; 183-186.

Garnier J N, Green D I, Pickard A R, Shaw H J & Holt W V (1999). Non-invasive diagnosis of pregnancy in wild black rhinoceros (*Dicornis bicornis minor*) by faecal steroid analysis. *Reproduction Fertility and Development* 10: 451-458.

Garriga R (1999). Bone quality assessment in free-living red squirrels (Sciurus vulgaris). MSc Thesis, University of London.

Gerlis L M & Cunningham A A (1999). Congenital aneurysmal dilatation of the right atrium and co-existent anomalous origin of the right pulmonary artery in a neonatal pig (Sus scrofa). Veterinary Record 144: 350-351.

German A (1999). The development and investigation of an enzyme-linked immunosorbent assay (ELISA) for the detection of Aspergillus fumigatus serum antibodies in Sphenisciformes. MSc Thesis, University of London.

Gual-Sill F, Pickard A R, Holt W V & Green D I (1999). Preliminary results of non-invasive monitoring of the oestrus cycle in female Asian elephants (*Elephas maximus*) through faecal steroid analysis. *Proceedings of the American Association of Zoo Veterinarians Annual Conference (Columbus, Ohio)*. 9-14 October 1999: 87-92.

Harrington P, Ferguson A & Joseph P (1999). Handrearing a superb fruit dove (*Ptilinopus superbus*) at London Zoo. *Avicultural Magazine* 105(2):57-64.

Holt W V & Pickard A R (1999). Role of reproductive technologies and genetic resource banks in animal conservation. Reviews of Reproduction 4: 143-150.

Hughs B, Kirby J & Rowcliffe J M (1999). Waterbird conflicts in Britain and Ireland: ruddy ducks (Oxyura jamaicensis), Canada geese (Branta candensis), and cormorants (Phalacorcorax carbo). Wildfowl 50: 77-99.

Hyatt A, Gould A, Coupar B, Hengstberger S & Cunningham A A (1999). Ranaviruses: diversity and impact on commercial fisheries and piscine and herpetological wildlife. XIth International Congress of Virology (Sydney, Australia). 9-13 August 1999.

Jenkins R K B, Brady L D, Huston H, Kauffman L D, Rabearivony J, Raveloson G & Rowcliffe J M (1999). The population status of chameleons within Ranomafana National Park, Madagascar, and recommendations for future monitoring. *Oryx* 33: 38-46.

Jepson P D, Baker J R, Kuiken T, Simpson V R, Kennedy S & Bennett P M (1999). Pulmonary pathology of harbour porpoises stranded in England and Wales between 1990 and 1996. Proceedings of the thirteenth biennial conference on the biology of marine mammals (Maui, Hawaii). 28 November-3 December 1999.

Jepson P D, Bennett P M, Allchin C R, Law R J, Kuiken T, Baker J R, Rogan E & Kirkwood J K (1999). Investigating potential associations between chronic exposure to polychlorinated biphenyls and infectious disease mortality in harbour porpoises from England and Wales. The Science of the Total Environment 243/244:339-348.

Jones G & Barratt E M (1999). Vespertilio pipistrellus Schreber, 1774 and V. pygmaeus Leach, 1825 (currently Pipistrellus pipistrellus and P. pygmaeus; Mammali, Chiroptera): proposed designation of neotypes. Bulletin of Zoological Nomenclature 56(3):182-186.

Jones R, Pearce-Kelly P, Cheesman O (1999) Population biology and management considerations in invertebrate rearing programmes - with particular reference to Orthoptera. Aspects of Applied Biology 53:219-226.

Karakosta C V, Jepson P D, Ohira H, Moore A, Bennett P M & Holt W V (1999). Testicular and ovarian development in the harbour porpoise (*Phocoena phocoena*). Journal of Zoology (London) 249: 111-121.

Kirkwood J K & Cunningham A A (1999). Prion diseases (spongiform encephalopathies) in captive wild animals in Europe. World Veterinary Association Annual Congress (Lyon, France). 23-26 September 1999.

Lang A, Houston A I, Black J M, Pettifor R A & Prop J (1999). From individual feeding performance to predicting population dynamics in barnacle geese: the spring staging model. In Research on Arctic geese. Proceedings of the Svalbard Goose Symposium (Oslo, Norway), 23-26 September 1997: 195-203. (Eds F Mehlum, J M Black & J Madsen). Norsk Polarinstitutt Skrifter.

Linton R A F, Taylor P M, Linton N W F, Flach E J, O'brien T K & Band D M (1999). Cardiac output measurement in an anaesthetised giraffe. *Veterinary Record* 145: 498-499.

Lourie S A, Vincent A C J & Hall H J (1999). Seahorses: an identification guide to the world's species and their conservation. Project Seahorse, London.

Lourie S A, Pritchard J C, Casey S P, Ky T S, Hall H J & Vincent A C J (1999). The taxonomy of Vietnam's exploited seahorses (family Syngnathidae). *Biological Journal of the Linnean Society* 66: 231-256.

Lunn K E, Boehm J R, Hall H J &. Vincent A Cj (Eds) (1999). Proceedings of the First International Aquarium Workshop on Seahorse Husbandry, Management and Conservation. John G. Shedd Aquarium, Chicago, USA.

Macdonald D W, Mace G M & Barretto G R (1999). The effects of predators on fragmented prey populations: a case study for the conservation of endangered prey.

Journal of Zoology (London) 247: 487-506.

Mace G M & Hudson E J (1999). Attitudes towards sustainability and extinction. *Conservation Biology* 13: 242-246.

Mapitse N J (1999). The African buffalo (Syncerus caffer) is a reservoir of foot-and-mouth disease in Botswana.

MSc Thesis, University of London.

Marshall T C, Sunnucks P, Spalton J A, Greth A & Pemberton J M (1999). Use of genetic data for conservation management: the case of the Arabian oryx. Animal Conservation 2: 269-278.

Medrano A & Holt W V (1999). Variación individual en la susceptibilidad del semen porcino al congeladodescongelado. Archivos de Zootecnia 47: 319-327.

Michael B (1999). Identification of Type C retrovirus and simian T-lymphotropic virus from a brown headed monkey (Ateles fusciceps robustus). MSc Thesis, University of London.

Milner J (1999). Survival, natural selection and foraging efficiency in Soay sheep on St Kilda. PhD Thesis, University of London

Moreau M A, Vincent A C J & Hall H J (Eds). (1999). Proceedings of the First International Workshop on the Management and Culture of Marine Species used in Traditional Medicines. Project Seahorse, Montreal, Canada.

Nyaoke A (1999), A Pilot study to investigate for the possible occurrence of Mycobacterium spp. infection in wild fish populations of Lake Victoria, Kenya, East Africa. MSc Thesis, University of London.

Owens I P F, Bennett P M & Harvey P H (1999). Species richness among birds: body size, life history, sexual selection or ecology? *Proceedings of the Royal Society of London, Series B* 266: 933-939.

Parga M (1999). The effect of transport on haematological parameters in trained and untrained harris hawks (Parabuteo unicinctus) and peregrine falcons (Falco peregrinus). MSc Thesis, University of London.

Pemberton Jm, Coltman D W, Coulson T N & Slate J (1999). Using microsatellites to measure the fitness consequences of inbreeding and outbreeding. In *Microsatellites: evolution and applications:* pp. 151-164. (Eds Goldstein & Schlötterer). Oxford University Press, Oxford.

Pettifor R A, Norris K N & Rowcliffe J M (1999). Incorporating behaviour in predictive models for conservation. In *Behaviour and conservation:* pp. 198-220. (Eds L M Gosling & W J Sutherland). Cambridge University Press, Cambridge.

Pettifor R A, Black J M, Owen M, Rowcliffe J M & Patterson D (1999). Growth of the Svalbard barnacle goose Branta leucopsis winter population 1958-1996: an initial review of temporal demographic changes. In Research on Arctic Geese. Proceedings of the Svalbard Goose Symposium (Oslo, Norway), 23-26 September 1997: pp. 141-158. (Eds F Mehlum, J M Black & J Madsen). Norsk Polarinstitutt Skrifter.

Reynolds J D & Mace G M (1999). Risk assessments of threatened species. *Trends in Ecology and Evolution* 14: 215-217.

Richardson D M (1999). Staged scene or quality space. In Conservation centres for the New Millennium. Proceedings of the 5th International Symposium on Zoo design: pp 69-72. (Eds A B Plowman & P Stevens). Whitley Wildlife Conservation Trust, Paignton.

Richardson D & Wheeler F (1999). A review of London Zoo's Clore Pavilion for small mammals 1967-1998. In *EEP Yearbook 1997/98*: pp 536-541 (Eds F Rietkerk, S Smits, K Brouwer & M Kurtz). EAZA Executive Office, Amsterdam.

Rijks J (1999). A serological study of bison (Bison bison) in an area of northern Canada experiencing sporadic and epizootic anthrax. MSc Thesis, University of London.

Rossiter S J, Burland T M, Jones G & Barratt E M (1999). Characterisation of microsatellite loci in the greater horseshoe bat *Rhinolophus ferrumequinum*. *Molecular Ecology* 8: 1959-1961.

Rowcliffe J M, Pettifor R A & Black J M (1999).

Modelling the dynamics of winter barnacle goose flocks: a progress report. In Research on Arctic Geese.

Proceedings of the Svalbard Goose Symposium (Oslo, Norway), 23-26 September 1997: pp. 189-193. (Eds F Mehlum, J M Black & J Madsen). Norsk Polarinstitutt Skrifter.

Rowcliffe J M, Sutherland W J & Watkinson A R (1999). The functional and aggregative responses of a herbivore: underlying mechanisms and the spatial implications for plant depletion. *Journal of Animal Ecology* 68: 853-868.

Saccheri I J, Wilson I J, Nichols R A, Bruford M W & Brakefield P M (1999). Inbreeding of bottlenecked butterfly populations: estimation using the likelihood of changes in marker allele frequencies. *Genetics* 151: 1053-1063.

Sainsbury A W, Kirkwood J K, Bennett P M (1999).

Monitoring wildlife health in the UK - current status and recommendations for the future. Proceedings of the World Veterinary Congress (Lyon, France).

Sanderson S (1999). Evaluation of two widely used milk replacers for the rearing of orphaned grey seals (Halichoerus grypus) and harbour seals (Phoca vitulina) with a view to determining the limiting factors to growth rehabilitation. MSc Thesis, University of London.

Seidensticker J, Christie S & Jackson P (Eds) (1999).

Riding the Tiger - tiger conservation in human-dominated landscapes. Cambride University Press, Cambridge.

Shiferaw F (1999). Observations on the morphology of male Camelostrongylus mentulatus in exotic ungulates at Whipsnade Wild Animal Park. MSc Thesis, University of London.

Steinmetz H (1999). Coat condition damage associated with measurement of cortisol metabolites in the faeces of rhesus monkeys (Macaca mulatta). MSc Thesis, University of London.

Strike T (1999). The application of faecal 20α-hydroxyprogesterone analysis for the non-invasive monitoring of reproduction in the female Southern White Rhinoceros (Ceratotherium simum simum). MSc Thesis, University of London.

Stuart G R, Boussineq M, Coulson T N, Elson L & Bradley J E (1999). Onchocerciasis modulates the

immune response to mycobacterial antigens. Clinical and Experimental Immunology 117: 517-523.

Thurston L M, Watson P F & Holt W V (1999). Sources of variation in the morphological characteristics of sperm subpopulations assessed objectively by a novel automated sperm morphology analysis system. *Journal of Reproduction and Fertility* 117: 271-280.

Tilson R & Christie S (1999). Effective tiger conservation requires cooperation: zoos as a support for wild tigers. In Riding the Tiger - tiger conservation in human-dominated landscapes: pp 201-214 (Eds Seidensticker J, Christie S & Jackson P). Cambride University Press, Cambridge.

Tonge S (1999). Aquatic reptiles. In The UFAW Handbook on the care and management of labratory animals Vol 2 Amphibious and aquatic vertebrates and advanced invertebrates: pp 103-111 (Eds T Poole). Blackwell Sciences Ltd, Oxford.

Vickery J A, Rowcliffe J M, Cresswell W, Jones P & Holt S (1999). Habitat selection by whitethroats (*Sylvia communis*) during spring passage in the Sahel zone of northern Nigeria. *Bird Study* 46: 347-355.

Worthington-Wilmer J, Hall L, Barratt E & Moritz C (1999). Genetic structure and male-mediated gene flow in the ghost bat (*Macroderma gigas*). Evolution 53: 1582-1591.

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Animal Collection Report

1999 was dominated by one major project: the construction and opening of the Web of Life Exhibition, constructed on the old Bird House yard site in the south east corner of the Zoo. The closing months of 1998 and the period until the formal opening of the building by Her Majesty The Queen, on the 3rd June, dominated the working day of many department staff, in particular the Curators of Invertebrates, Paul Pearce-Kelly, and Lower Vertebrates, Heather Hall, and the Head Keeper of the new building, Dave Clarke. The purpose, function and story behind the new building are told elsewhere within

this report. What may not be told elsewhere is the sheer effort and organisational ability required, not just to design and construct the new facility but also to transfer the entire invertebrate collection from one side of the Zoo to the other. Blending together a new team of Keepers, put together from all the animal sections in the Zoo, including the old Invertebrate Section, whilst teaching them new husbandry skills for unfamiliar and difficult species, such as giant anteaters, hummingbirds and in particular aquatic invertebrates and fishes, added to the challenge. All the interior decoration within aquaria and vivaria were prepared by animal keeping staff, and the performance of Aquarium staff, in particular, Duncan McGinnie in the setting up of the aquaria should be noted.

Now that the building has been up and running for a year and most of the snagging problems have been solved, we realise that we have an incredibly useful facility, not only for exhibiting animals and telling stories about them, and biodiversity issues in general, but the large number of support breeding rooms give us flexibility to manage conservation programmes in great depth and in some numbers. The conservation potential of this building is really very great and we look forward to being able to increase our output over the years to come.

With regard to stocking the new building, all the best exhibits from the old Invertebrate house were re-created in some form. In addition to the well established breeding colonies of Partula snails, English field crickets and wart-biter crickets, the colonies of Fregate Island invertebrates were expanded and have proved very successful in the Web. Additionally, after 5 long years of negotiation we were permitted to import Poor Knights giant weta crickets direct from New Zealand. These are one of the largest and rarest orthopterans in the world. They are an island giant form of weta cricket, restricted as their name suggests, to the Poor Knights Islands. These are the only live specimens to be exported from New Zealand and although initial mortality was high, by the end of the year, 7 males and 2 females had attained adulthood and it was very much hoped that breeding would occur early in 2000.

Another species of particular note that was transferred to the *Web of Life* paddock was the male giant anteater. 'Bonito' was later joined by a female, 'Sauna', from Santa Barbara Zoo in California. She is a particularly important animal because she is unrelated to all other giant anteaters in Europe. Both animals settled well in their new home and once again, it was planned to allow them access to each other early in 2000.

At Whipsnade, the main development during the year was the reconstruction of the penguin enclosure on the edge of the downs. Deliberately chosen as being the coldest spot at Whipsnade, the new facility contains 2 pools, the original one plus a wider and deeper new one. A gratifying increase in activity levels and swimming behaviour by all 3 species held within it was noted and by the year end the first hatchings, predictably of Humboldt penguins, have occurred in the new facility.

With all the effort at Web of Life, comparatively little other animal related construction occurred at Regent's Park. In the Aquarium, the off-exhibit breeding room in the Tropical Freshwater Hall was entirely renovated and a viewing window was constructed, so that visitors could view the endangered species breeding work involving Mexican goodeids, Lake Victoria cichlids and other threatened taxa. After some intensive husbandry work by staff and students, much success was achieved breeding the vulnerable Knysna seahorse from South Africa.

The grade I listed Round House was completely renovated and the Zoo received a pair of aye-ayes on breeding loan from the Durrell Wildlife Conservation Trust. These are the first aye-ayes held at the Zoo since 1932 and Regent's Park is only the sixth zoo in the world currently to hold this extraordinary and charismatic species. The pair of animals had never bred in Jersey and it was hoped that a change of environment might stimulate an ovarian cycle in the female. The pair have settled very well and have proved to be an excellent exhibit, provided that visitors give themselves time for their eyes to adjust to the nocturnal conditions in the building.

At year end, construction was finally completed on the external area of the Round House, with the intention that a pair of red ruffed lemurs would be moved across from the Sobells.

At Whipsnade, the Conservation Room in the Discovery Centre, which had been opened late in 1998, proved its worth and tortoises, amphibians and several threatened invertebrates reproduced during the year, plus the facility allowed complementary holdings of other taxa, worked with more intensively at Regent's Park, such as Knysna seahorses and Lake Victoria cichlids.

Because of the concentration on *Web of Life*, the amount of time available for staff to organise and implement animal moves was less than in previous years. However, Whipsnade did achieve the 'big three' of an adult male hippo to join the remarkable group at Emmen Zoo in Holland; a 17 foot tall male reticulated giraffe to Beauval Zoo in France and a female white rhinoceros to Boras Zoo in Sweden. All these moves were organised through EAZA Taxon Advisory Group or the European Breeding Programme (EEP).

London couldn't manage the 'tonnage' that Whipsnade achieved but two new antelope species were restored to the collection after a few years absence. Three bongo of the highly endangered Kenyan sub-species were received from Marwell Zoo. At the year end, the adult female was pregnant.

Also from Marwell and Chester Zoos came a group of five male Arabian gazelles. There is still some controversy about the taxonomy of this particular form, but then gazelle systematics is not an area for the faint-hearted. Whatever the true identity of this gazelle taxon, the fact is that it is the only one established in UK collections. As is usual with many antelopes there is a need for collections to hold single sex groups because the natural herd structure consists of one male and multiple females. The

gazelles have been placed in the giraffe paddock and coexist with giraffes and meerkats without difficulty.

An adult female okapi, 'Elila' arrived from Marwell Zoo. She was born in 1997 and hand-reared, so it remains to be seen how she will shape up as a breeding animal, but her initial reaction to the two males has been quite encouraging.

Two pudu were imported from Wuppertal Zoo in Germany following a long period of negotiation with MAFF. After quarantine on the Cotton Terraces, one male was sent to Banham Zoo and the other has been retained. He has already been seen mating with the female, so hopes are high for a birth in the New Year.

Two giraffe calves were born at Regent's Park. One did not survive and the other was reared successfully but one ear had to be amputated when his mother started to overgroom him and an infection set in. He looks a bit odd but he is otherwise healthy! Roan antelope, Nile Lechwe and Przewalski's horses all bred at Whipsnade, but the outstanding birth was to 'Nowana', a 21 year old white rhino female who gave birth to her first offspring. She was herself born in the park, so the calf is half second generation captive bred. Also at Whipsnade the newly established pair of Amur tigers bred for the first time. Both parents behaved exceptionally well and two offspring, a male and a female, were reared without difficulty. Continuing the big cat theme, once again, 'Ruchi' the female Asiatic lion in London gave birth to two female cubs and reared them perfectly. It is likely that we will be asked by the EEP programme to scale down production of offspring from her because there is a danger that her genes will become over-represented in the still relatively small captive population.

Another notable breeding was a 'world first' striped possum at Regent's Park. Common dormice bred abundantly at both collections with several animals being sent on to reintroduction schemes elsewhere in the UK.

1999 was a bumper year for short-clawed otters at Regent's Park, where eight were born in two litters. Unfortunately just at the year end, the adult breeding female died. Until she is replaced no more breeding will occur. This is probably just as well as it will not prove easy to place all those offspring very quickly.

Probably the outstanding breeding in the bird collection were the seven Carribbean flamingos reared at Whipsnade; 5 Stanley cranes were hatched also, the best annual performance to date. Whipsnade hatched a red-billed hornbill for the first time and Regent's Park achieved the first UK hatching of the purple-tailed imperial pigeon. Another chick was cross-fostered under a pair of green-imperial pigeons and reared successfully by them. Unfortunately, it was killed by vermin shortly after fledging. In the Bird House at Regent's Park success was achieved with common shamas and Asian magpie robins for the first time. These beautiful birds are not only attractive species but also enable staff to develop husbandry skills which one day may be applicable for more endangered members of the genus Copsychus, such

as the Cebu black shama or the Seychelles magpie robin. Several noteworthy new species were added to the bird collection at Regent's Park including near threatened Malayan black hornbills and black-breasted thrushes, the threatened Omei Shan Liocichla from China and two pairs of the extremely beautiful and very rare red siskin from Venezuela. Five pairs of ultramarine grosbeaks were received from a confiscation in Belgium. The opportunity to work with several pairs of birds is quite unusual and it is hoped that reproduction will occur in 2000.

In the Reptile House at Regent's Park five black mambas hatched. The last time this species was hatched here was in February 1979 and this breeding was the result of five years work obtaining specimens from South Africa. Six Egyptian tortoises were also hatched and Esther Wenman, Head Keeper of the Reptile House, was appointed UK Studbook holder for this endangered species as well as carrying out a further 6 weeks fieldwork on the reintroduced population on Zaranik Island, Egypt. A Horsfield's tortoise was hatched at Whipsnade; this is a rarely bred species and means that all members of the genus *Testudo* have now been bred at either London or Whipsnade.

As well as the dormice and tortoises already mentioned, approximately 800 British field crickets from the old Invertebrate House were released into selected sites in southern England under the auspices of the English Nature recovery plan for this species.

Because of Web of Life commitments, staff were constrained to spend more time in London than usual during 1999. However, field commitments in the Philippines (Heather Hall) and the far east (Sarah Christie) were honoured. As usual the Society was well represented at the annual EEP Conference where Rachel Jones, Keeper in the Web of Life, gave a platform presentation and co-chaired the EEP Invertebrate TAG meeting in Paul Pearce-Kelly's absence. Sarah Christie took on the EEP for the world's most endangered cat, the Amur leopard, and also by year end, for the Asiatic lion. Esther Wenman and Heather Hall became studbook keeper and co-ordinator, respectively, of the Chinese alligator EEP.

Finally, the Curator of Mammals position continues to be a stepping stone to greater things in the zoo world, and Douglas Richardson emulated several illustrious predecessors (Michael Brambell, Brian Bertram, Jo Gipps) by gaining appointment as Zoological Director of Rome Zoo. We wish him well with his new and challenging position and thank him warmly for his contribution to the work of the Department over the last 12 years.

Simon Tonge, Senior Curator, London Zoo, and Nick Lindsay, Curator, Whipsnade Wild Animal Park

ANIMALS IN THE COLL	ECTIONS																
	als, Birds, Reptiles, Amphib als in the Collection at 1st Jan			bes:					Chiroptera Pteropus rodricensis (CR)	Rodrigues Fruit Bat	36	2	11	5	5	14	7
column 2 Number of anim	als received in 1999 by presen	ntation.	excha	nge, p	urchase	e, or tra	nsfer be	tween the	Carollia perspicillata Scandentia Tupaia minor	Seba's Short-tailed But	>120		51	10	n		-150
column 3 Number of anima	llections. The figures in brack als born or hatched during 195		ncate a	inimal	ls which	h have t	been so	transferred.	Tiepaia tana Primates	Pygnty Tree Shrew Large Tree Shrew	5		i	1	1	î	0/I 2/2
column 4 Number of anims	als which died in 1999 within	30 day	s of bi	rth or	hatchir	ng. The	figure	in brackets	Daubentonia madagascarrensis (EN)	Aye-aye		2					1/1
are not included.	born or hatched during Decen							99. Stillbirths	Varecia variegata variegata (EN) Varecia variegata rubra (CR) Cheirogaleus medius	Black-&-white Ruffed Lemur Red Ruffed Lemur Fat-tailed Dwarf Lemur	4 5	:				3	0/1 2/2 1/1
column 5 Number of anima									Hapalemur griseus alaotrensis (CR) Loris tardigradus (VU)	Alaotran Gentle Lemur Slender Loris	3			-			2/1
acciety's two Coll	als disposed of in 1999 by pre- ections. The figures in bracke	sentatio	on, exc	hange	, depos which	it, sale	or trans	fer between the	Microchus coucons	Slow Loris Pygmy Slow Loris	6			:	-	2	3/1
the two Conection	S.								Galago senegalensis	Potto Senegal Bushbaby	2 6	i	2 2	-	1	3	2/2/1 1/1/2 4/1
column 7 Number of anima e.g. 1/3/1 indicate	ds in the Collection at 31st De es 1 male, 3 female, 1 sex unlo	nown.	r 1999	show	ing sex	es wher	e these	are known,	Actus lemarinus griseimembra Pithecia pathecia Ateles paniscus	Douroucouli White-faced Saki Monkey	4	:	1	:	-		1/1/1 2/2
Key									Collabrix jacchus Callabrix proffroyi (VU)	Red-faced Black Spider Monk Common Marmoset Geoffroy's Marmoset	10 10	i		-	1	3	2/2 4/3
G Genus new to the Colle S Species new to the Coll	ection		**Free	e-rangi sused	ing anii	mals at year	Whipsr	nade	Callishrix argentata argentata Callishrix pygmaea	Silvery Marmoset Pygmy Marmoset	2	2	7	2	1	2	2/1 1/1 5/3/1
SS Sub-species new to the RT Regionally threatened									Soguinus oedipus (EN) Soguinus imperator subgrisescens Leontopithecus rosalia (CR)	Cotton-headed Tamarin Emperor Tamarin Golden Lion Tamarin	3	4	-				3/1 3/4
(species held in a breed IUCN threatened species cat									Leontopithecus chrysomelas (EN) Callimico goeldii (VU)	Golden-headed Lion Tamarin Goeldi's Monkey	4	1	-	-	1	-	8/3 3/1 2/2
1996 IUCN Red List of Three IUCN, Gland, Switzerland	egories atened Animals. Compiled a	nd edit	ted by	Jonati	han Ba	illie an	d Brian	Groombridge	Macaca nigra (EN) Cercopithecus diana diana (VU)	Sulawesi Crested Macaque Diana Monkey	7 2	:	2	1	:	1	2/5
EX Extinct	CR Critically Endange								Cercopithecus hamijmi Semnopithecus entellus thersites Hylobates gabriellae (EN)	Hamlyn's Owl-faced Monkey Hamman Langur Buff-cheeked Gibbon	16	:	2	2	3		1/2 6/6/1
EW Extinct in the Wild	CR Critically Endange EN Endangered	red			VU	Vulnera	ble		Hylohates leucogenys leucogenys (EN)	White-cheeked Gibbon	í			100			1/0
LONDON ZOO									Hylobates lar	White-cheeked (Siki) Gibbon Lar Gibbon	3				2		1/2
MAMMALS									Gorilla gorilla gorilla (EN)	Chimpaturee Western Lowland Gorilla	3	*				13	1/3
Monotremata		1	2	3	4	5	6	7		Two-toed Sloth	2						1/1
Tachyglossus aculeatus	Australian Echidna	1				1	-	*	Afyrmecophagu triductyla (VU) Rodentia	Giant Anteater	1	1				*	1/1
Dasyuromorphia Dasycercus byrnei (VU) Dactylopsila trivirgata	Byrne's Pouched Mouse (Kowari) Striped Possum	4	3	3		3		4/3	Callosciurus prevostii	White-naped Squirrel Prevost's Squirrel	3 6	:	8	4	1	1 6	0/1
Gymnobelideus leadbeateri (EN)	Leadbeater's Possum	1						2/3 0/1	Jaculus orientalis	Siberian Chipmunk Greater Egyptian Jerboa Malagasy Giant Jumping Rat	2	2	i		2		2/1
	Red-necked (Bennett's) Wallaby Brush-tailed Bettong	2	-					1/1	Clethrionomys glareolus caesarius 3	European Hamster Jersey Vole	-26	4	10	3	2	16	1/1 1/1 2/4
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Atheruna africania Dasyprocta punctata Myoprocta acouchy Chinchilla langer Octodon degus Heterocephalus glaber Carnivora Chryaocyon brachyurus Vulpes zerda Ictonyx striatus	African Brush-tailed Porcupine South American Agouti Green Acouchi Chinchilla Degu Naked Mole Rat	2 7 6 2	:	3 7 2 3 3 2 17	2 2 2 1	3 . 5		17/28 1/1 - 4/2 1/3 4/2 1/1/8 1/1 1/1 - 4/5		Caitle: Red Poll Sheep: Leicester Longwool Norfolk Horned Goat: Anglo-Nubian Pygny Bagot	1 	1 5 2 2 2 2 2 	3 7 15 4 2	82	457		0/1 0/2 0/4 0/4 - 0/4 0/2 0/3
Atherurus africanus Dasyprocta punctata Mysprocta acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Ictonya striatus Ambionya cinereus Melursus ursimus inormatus (VU) Atlurus fulgens fulgens (EN)	African Brush-tailed Porcupine South American Agouti Green Acouchs Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Oriental Small-clawed Otter Sloth Bear Red Panda	2 7 6 2	:	3 7 2 3 3 3 2 17	2 2 2 1	3 . 5		17/28 1/1 - 4/2 1/3 4/2 1/1/8 1/1 1/1 - 4/5 2/1 1/3	BIRDS	Caitle: Red Poll Sheep: Leicester Longwool Norfolk Horned Goat: Anglo-Nubian Pygmy Bagot Windsor White	4 2 2 2 4 2 -	1 5 2 2 2 2 2 5 5	4 2	4 2 4		12 2 4 2 2 2 - 2	0/1 0/2 0/4 0/4 - 0/4 0/2 0/3
Atherurus africanus Dasyprocta punctata Myoprocta acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyarus Vulpes zerda Ictorya striatus Ambionya striatus Ambionya cinerus Melurus ursinus inornatus (VU) Allurus fulgens fulgens (EN) Nasua nanua Potas flavus	African Brush-tailed Porcupine South American Agouti Green Acouchi Chinchilla Degu Naked Mole Rat Maned Wolf Femnec Fox Zorilla Ociental Strail-clawed Otter Sloth Bear Red Panda Continuadi Kinkajou	2 7 6 2	:	3 7 2 3 3 3 2 17	2 2 2 1	3 . 5		17/28 1/1 - 4/2 1/3 4/2 1/1/8 1/1 1/1 - 4/5 2/1 1/3 3/0 0/1 3/3	Casuariiformes	Caitle: Red Poll Sheep: Leicester Longwool Norfolk Horned Goat: Anglo-Nubian Pygmy Bagot Windsor White	4 2 2 2 4 2 2 -	1 5 2 2 2 2 	4 2	82		12 2 4 2 2 2 - 2	0/1 0/2 0/4 0/4 - 0/4 0/2 0/3
Atheruna africana Dasyprocia punciata Myoprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Ictonya striatus Ambionya cinereus Melurus fulgens fulgens (EN) Nanua nanua	African Brush-tailed Porcupine South American Agouti Green Acouchs Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Ociental Small-clawed Otter Sloth Bear Red Panda Continuandi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose	2 7 6 2	:	3 7 2 3 3 3 3 2 117	2 2 2 1	3 . 5		17/28 1/1 - 4/2 1/3 4/2 1/1/8 1/1 1/1 - 4/5 2/1 1/3 3/0 0/1 3/3 4/1 1/1	Casuariiformes Rhea americana Sphenisciformes	Caitle: Red Poll Sheep: Leicenter Longwool Norfolk Horned Goat: Anglo-Nubian Pygmy Bagot Windsor White Total: Mammals Greater Rhea	4 2 2 2 4 2 2 -	1 5 2 2 2 2 3 5 113(2)	4 2	82		12 2 4 2 2 2 - 2	0/1 6/2 0/4 0/4 0/4 0/2 0/3 781
Atherurus africanus Dasyprocia punciata Myoprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Ictonya striatus Ambionya cinereus Melurus ursimus inormatus (VU) Ailurus fulgens fulgens (EN) Nasua nasua Potas flavus Suricata suricatta Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni	African Brush-tailed Porcupine South American Agouti Green Acouchi Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Oriental Senall-clawed Otter Sloth Bear Red Panda Continuadi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lynx Sand Cat	2 7 6 2	:	3 7 7 2 3 3 3 . 2 2 117	2 2 2 1	3 . 5		17/28 1/1 - 4/2 1/3 4/2 1/1/8 1/1 1/1 - 4/5 2/1 1/3 3/0 0/1 3/3 4/1	Casuariiformes Rhea americana	Berkshire Red Poll Sheep: Leicester Longwool Norfolk Horned Goat: Anglo-Nubian Pygnty Bagot Windsor White Total: Mammals	1 	1 5 2 2 2 2	4 2	82		12 2 4 2 2 2 - 2	0/1 6/2 0/4 0/4 0/4 0/2 0/3 781
Atherurus africanus Dasyprocia punciata Mysprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyseus Vulpes zerda Ictonya striatus Ambionya striatus Ambionya striatus Melurus fulgens fulgens (EN) Nanua nanua Potas flanus Suricata suricata Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera tigris sumatrae (CR) Panthera tigris sumatrae (CR)	African Brush-tailed Porcupine South American Agouti Green Acouchi Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Ociental Small-clawed Otter Sloth Bear Red Panda Coatimundi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lytox Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard	2 7 6 2	:	3 7 7 2 3 3 3 . 2 2 17	2 2 2 1	3 . 5		17/28 1/1 - 4/2 1/3 4/2 1/1/8 1/1 1/1 - 4/5 2/1 1/3 3/0 0/1 3/3 4/1 1/1 0/1 1/2 1/3 1/1 2/1	Casuariiformes Rhea americana Sphenisciformes Spheniscus demeraus Pelecaniformes Pelecanus crispus (VU)	Berkshire Red Poll Sheep: Leicester Lengwool Norfolk Horned Goat: Anglo-Nubian Pygny Bagot Windsor White Total: Mammals Greater Rhea Blackfooted (Jackass) Penguin Dulmutian Pelican	4 40 8	1 5 2 2 2 2 3 5 113(2)	4 2	82	457	12 2 4 2 2 2 - 2	0/1 0/2 0/4 0/4 0/4 0/2 0/3 781
Atherurus africanus Dasyprocia punciata Mysprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Ictonya striatus Ambionya cinereus Melurus ursimus inormatus (VU) Atlurus fulgens fulgens (EN) Nasua nasua Potas flavus Surscata suricatta Helogale parvula Mangos mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera tigris sumatrae (CR) Panthera pardus saxicolor (EN) Neofelis nebulosa nebulosa (VU)	African Brush-tailed Porcupine South American Agouti Green Acouchi Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Ociental Small-clawed Otter Sloth Bear Red Panda Coatimundi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Carneal Lynx Sand Cat Asiatic Lion Sumatran Tiger	2 7 6 2	:	3 7 7 2 3 3 3 . 2 2 17	2 2 2 1	3 . 5		17/28 1/1 4/2 1/3 4/2 1/1/8 1/1 1/1 - 4/5 2/1 1/3 3/0 0/1 3/3 4/1 1/1 0/1 1/2 1/3 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1	Casuariiformes Rhea americana Sphenisciformes Spheniscus demersus Pelecaniformes Pelecanus crispus (VU) Pelecanus onocrotalus Phalacrocorus hucidus	Berkshire Red Poll Sheep: Leicester Lengwool Norfolk Horned Goat: Anglo-Nubian Pygray Bagot Windsor White Total: Mammals Greater Rhea Blackfooted (Jackass) Penguin	4	1 113(2)	4 2	82	457	12 2 4 2 2 2 - 2	0/1 6/2 0/4 0/4 0/4 0/2 0/3 781
Atherurus africanus Dasyprocia punciata Mysprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyserus Vulpes zerda Ictonya striatus Ambionya striatus Ambionya striatus Melurus fulgens fulgens (EN) Nanua nanua Potas flavus Suricata suricatia Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera tigris sumatrae (CR) Panthera tigris sumatrae (CR) Panthera tigris sumatrae (CR) Penthera tenhulana nebulosa (VU) Proboscidea Elephas maximus (EN)	African Brush-tailed Porcupine South American Agouti Green Acouchi Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Ociental Small-clawed Otter Sloth Bear Red Panda Coatimundi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lytox Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard	2 7 6 2	:	3 7 7 2 3 3 3 . 2 2 17	2 2 2 1	3 . 5		17/28 1/1 - 4/2 1/3 4/2 1/1/8 1/1 1/1 - 4/5 2/1 1/3 3/0 0/1 3/3 4/1 1/1 0/1 1/2 1/3 1/1 2/1	Casuariiformes Rhea americana Spheniscus demersus Pelecaniformes Pelecanus crispus (VU) Pelecanus onocrotalus Phalacrocorax lucidus Ciconiiformes Nycticorax nycticorax	Berkshire Red Poll Sheep: Leicenter Longwool Norfolk Horned Goat: Anglo-Nubian Pygray Bagot Windsor White Total: Mammals Greater Rhea Blackfooted (Jackass) Penguin Dalmatian Pelican Eastern White Pelican White-breasted Cormorant Night Heron	4 40 8 10	1 113(2)	4 2	82	457	12 2 4 2 2 2 - 2	0/1 0/2 0/4 0/4 0/4 0/2 0/3 781 4/0 5/11/25 5/4 3/8/1 0/0/2
Atherurus africanus Dasyprocia punciata Mysprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Ictonya striatus Ambionya striatus Ambionya striatus Melursus ursimus inormatus (VU) Atlurus fulgens fulgens (EN) Nasua nasua Potas flavus Suricata suricatta Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera tigris sumatrae (CR) Panthera pandus saxicolor (EN) Neofelis nebulosa nebulosa (VU) Proboscides Elephas maximus (EN) Perissodactyla Tapirus indicus (EN)	African Brush-tailed Porcupine South American Agouti Green Acouchi Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Oriental Small-clawed Otter Sloth Bear Red Panda Continuadi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lynx Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard Clouded Leopard	2 7 6 2	:	3 7 7 2 3 3 3 . 2 2 17	2 2 2 1	3 . 5		17/28 1/1 4/2 1/3 4/2 1/1/8 1/1 1/1 - 4/5 2/1 1/3 3/0 0/1 3/3 4/1 1/1 0/1 1/2 1/3 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1	Casuariiformes Rhea americana Sphenisciformes Spheniscus demersus Pelecaniformes Pelecanus crispus (VU) Pelecanus concretalus Phalacrocorae lucidus Ciconiiformes	Greater Rhea Greater Rhea Greater Rhea Greater Rhea Greater Rhea Blackfooted (Jackass) Penguin Dalmatian Pelican Eastern White Pelican White-breasted Cormorant Night Heron Cattle Egret Little Egret	4 40 8 10 2 1 8 31 13	1 113(2)	4 2		457	12 2 4 2 2 2 - 2	0/1 0/2 0/4 0/4 0/2 0/3 781 4/0 5/11/25 5/4 3/8/1 0/0/2 0/0/1 2/3 0/0/35 3/4/13
Atherurus africanus Dasyprocia punciata Myoprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Ictonya striatus Ambionya cinereus Melurus ursimus inormatus (VU) Ailurus fulgens fulgens (EN) Nanua nanua Potas flavna Suricata suricatta Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera tigris sumatrae (CR) Panthera pandus saxicolor (EN) Neofelix nebulasa nebulosa (VU) Proboscidea Elephas maximus (EN) Perissodactyla Tapirus indicus (EN) Diceros hicornis michaeli (CR) Artiodactyla	African Brush-tailed Porcupine South American Agouti Green Acouchi Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Oriental Senall-clawed Otter Sloth Bear Red Panda Continuadi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lynx Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard Clouded Leopard Asian Elephant Malayan Tapir Black Rhinoceros	2 7 6 2	:	3 7 7 2 3 3 3 . 2 2 17	17	3		17/28 1/1 4/2 1/3 4/2 1/1/8 1/1 1/1 - 4/5 2/1 1/3 3/0 0/1 3/3 4/1 1/1 0/1 1/2 1/3 1/1 2/1 1/0 0/3	Casuariiformes Rhea americana Spheniscus demersus Pelecaniformes Pelecanus crispus (VU) Pelecanus onocrotalus Phalacrocoras lucidus Ciconiiformes Nycticoras nycticoras Ardeola bacchus Bubulcus this Egretsa garzetta Ciconia abdimii Ciconia episcopus episcopus	Caitle: Red Poll Sheep: Leicester Longwool Norfolk Horned Goat: Anglo-Nubian Pygnty Bagot Windsor White Total: Mammals Greater Rhea Blackfooted (Jackass) Penguin Dalmarian Pelican Eastern White Pelican White-breasted Commorant Night Heron Chinese Pond Heron Cattle Egret Little Egret Little Egret Little Egret Abdim's Stork Asian Woolly-esecked Stork	4 40 8 10 2 1 8 31 1 13 13 13 2	113(2)	672		457	12 2 4 2 2 2 - 2	0/1 0/2 0/4 0/4 0/2 0/3 781 4/0 5/11/25 5/4 3/8/1 0/0/2 0/0/1 2/3 0/0/35
Atherurus africanus Dasyprocia punciata Mysprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chryaccyon brachyurus Vulpes zerda Icionya striatus Ambionya striatus Ambionya striatus Ambionya striatus Melurus fulgens fulgens (EN) Nasua nasua Potas flavus Suricata suricata Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera tigris sumatrae (CR) Panthera tigris sumatrae (CR) Panthera pandus sazicolor (EN) Neofelis nebulasa nebulosa (VU) Proboscidea Elephas maximus (EN) Perissodactyla Tapirus indicus (EN) Diceros bicornis michaeli (CR) Artiodactyla Tayassu igiacu Hesaprotodon liberiensis (VU)	African Brush-tailed Porcupine South American Agouti Green Acouchs Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Oriental Small-clawed Otter Sloth Bear Red Panda Continuandi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lynx Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard Clouded Leopard Asian Elephant Malayan Tapir Black Rhinoceros Collared Peccary Pygmy Hippopotamus	2 7 6 2	:	3 7 7 2 3 3 3 . 2 2 17	17	3		17/28 1/1 4/2 1/3 4/2 1/1/8 1/1 1/1 1/1 - 4/5 2/1 1/3 3/0 0/1 3/3 4/1 1/1 0/1 1/2 1/3 1/1 1/1 0/1 1/2 1/3 1/1 1/0 0/3	Casuariiformes Rhea americana Spheniscus demersus Pelecaniformes Pelecanus crispus (VU) Pelecanus onocrotalus Phalacrocorax lucidus Ciconiiformes Nycticorax nycticorax Ardeola bacchus Bubulcus ibis Egretta garzetta Ciconia abdimii Ciconia abdimii Ciconia apocopus episcopus Threskornts aethiopicus Geronticus eremita (CR)	Cainle: Red Poll Sheep: Leicester Longwool Norfolk Horned Goat: Anglo-Nubian Pygnty Bagot Windsor White Total: Mammals Greater Rhea Blackfooted (Jackass) Penguin Dalmutian Pelican Eastern White Pelican White-breasted Cormorant Night Heron Chinese Pond Heron Cattle Egret Abdim's Stork	4 40 8 10 2 1 8 31 13 13	113(2)	4 2		457	12 2 4 2 2 2 - 2	0/1 0/2 0/4 0/4 0/2 0/3 781 4/0 5/11/25 5/4 3/8/1 0/0/2 0/0/1 2/3 0/0/35 3/4/13 5/5/3 1/1 0/0/41 2/3/2 2/1
Atherurus africanus Dasyprocia punciata Mysprocia punciata Mysprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Ictonyx striatus Ambionyx cinereus Melurus ursimus inormatus (VU) Ailurus fulgens fulgens (EN) Nasua nasua Potas flavus Suricata suricata Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera tigris sumatrae (CR) Panthera pardus saxicolor (EN) Neofelix nebulosa nebulosa (VU) Proboscidea Elephas maximus (EN) Perissodactyla Tapirus indicus (EN) Diceros bicornis michaeli (CR) Artiodactyla Tapirus indicus (EN) Diceros hicornis michaeli (CR) Munificat reevesti Okapia johustoni	African Brush-tailed Porcupine South American Agouti Green Acouchi Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Oriental Senall-clawed Otter Sloth Bear Red Panda Coatimundi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lynx Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard Clouded Leopard Asian Elephant Malayan Tapir Black Rhinoceros Collared Peccary Pygmy Hippopotamus Pudu Reeves's Mantjac Okapi	2 7 6 2	:	3 7 2 3 3 3 . 2 17	17	3		17/28 1/1	Casuariiformes Rhea americana Spheniscus demersus Pelecaniformes Pelecanus crispus (VU) Pelecanus onocrotalus Phalacrocorus lucidus Ciconiiformes Nycticorus nycticorus Ardeola bacchus Bubulcus ibis Egenta garzeita Ciconia abdimii Ciconia apascopus episcopus Thresisionis aentiopicus Geronticus eremita (CR) Theristicus melanopis Eudocmus ruber Plegadis ridgwayi	Caitle: Red Poll Sheep: Leicester Longwool Norfolk Horned Goat: Anglo-Nubian Pygray Bagot Windsor White Total: Mammals Greater Rhea Blackfooted (Jackass) Penguin Dalmatian Pelican Eastern White Pelican White-breasted Cormorant Night Heron Chinese Pond Heron Cattle Egret Abdim's Stork Asian Woolly-necked Stork Sacred Ibis Waldrapp Ibis Black-faced Ibis Scarlet Ibis Puna Ibis Puna Ibis	4 40 8 10 2 1 8 31 13 13 13 2 42 6 3 8 1	1 13(2)	672		457	12 2 4 2 2 2 2 2 155(2)	0/1 0/2 0/4 0/4 0/4 0/2 0/3 781 4/0 5/11/25 5/4 3/8/1 0/0/2 0/0/1 2/3 0/0/35 3/4/13 5/5/3 1/1 0/9/41 2/3/2 2/7 4/5/3 1/0
Atherurus africanus Dasyprocia punciata Mysprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chryocyon brachyurus Vulpes zerda Icionya striatus Ambionya cinereus Melurus ursimus inormatus (VU) Atlurus fulgons fulgens (EN) Nasua nasua Potas flavus Suricata suricatta Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni Panthera legis sumatrae (CR) Panthera tigris sumatrae (CR) Panthera tigris sumatrae (CR) Panthera tigris sumatrae (CR) Perissodaetyla Tapirus indicus (EN) Diceros bicornis michaeli (CR) Artiodactyla Tapirus indicus (EN) Diceros bicornis michaeli (CR)	African Brush-tailed Porcupine South American Agouti Green Acouchs Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Ociental Small-clawed Otter Sloth Bear Red Panda Continuandi Kinkajou Meerkut Dwarf Mongoose Banded Mongoose Caracal Lynx Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard Clouded Leopard Asian Elephant Malayan Tapir Black Rhinoceros Collared Peccary Pygmy Hippopotamus Pudu Reeves's Mantjac Okapi Giraffe Mountain Bongo	2 7 6 2	:	3 7 2 3 3 3 2 2 17	17	3		17/28 1/1 4/2 1/3 4/2 1/1/8 1/1 1/1 1/1 - 4/5 2/1 1/3 3/0 0/1 3/3 4/1 1/1 1/1 0/1 1/2 1/3 1/1 1/0 1/1 2/1 1/0 1/1 2/1 1/0 1/1	Casuariiformes Rhea americana Spheniscus demersus Pelecanisformes Pelecanus crispus (VU) Pelecanus onocrotalus Phalacrocorax lucidus Ciconiiformes Nyesicorax nyesicorax Ardeola bacchus Bubulcus ibis Egresta garzeita Ciconia abdimii Ciconia abdimii Ciconia epocopus episcopus Threskiornis aethiopicus Geronticus eremita (CR) Theristicus melanopis Eudocomus ruber Plegadis ridgwayi Phoenicopterus chilensis	Greater Rhea Greater Rhea Greater Rhea Greater Rhea Blackfooted (Jackass) Penguin Dalmatian Pelican Eastern White Pelican White-breasted Cormorant Night Heron Chinese Pond Heron Cattle Egret Abdim's Stork Asian Woolly-necked Stork Sacred Ibis Waldrapp Ibis Black-faced Ibis Scarlet Ibis Scarlet Ibis	4 40 8 10 2 1 8 31 13 13 13 2 42 6 3	1 2 2 2 3 5 113(2)	672		457	12 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0/1 0/2 0/4 0/4 0/4 0/2 0/3 781 4/0 5/11/25 5/4 3/8/1 0/0/2 0/0/1 2/3 0/0/35 3/4/13 5/5/3 1/1 0/0/41 2/3/2 2/1 4/5/3 1/0 16/21
Atherurus africanus Dasyprocia punciata Myoprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Ictonya striatus Ambionya cinereus Melurus ursimus inormatus (VU) Ailurus fulgens fulgens (EN) Nasua nasua Potas flavus Suricata suricatia Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera tigris sumatrae (CR) Panthera pantus saxicolor (EN) Neofelis nebulosa nebulosa (VU) Proboscidea Elephas maximus (EN) Perissodactyla Tapirus indicus (EN) Diceros bicornis michaeli (CR) Artiodactyla Tayassu tojacu Hexaprotodon liberiensis (VU) Puth puda (VU) Mantiacas reevesi Okapia johnstoni Giraffa camelopardalis	African Brush-tailed Porcupine South American Agouti Green Acouchi Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Oriental Senali-clawed Otter Sloth Bear Red Panda Coatimundi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lyrox Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard Clouded Leopard Asian Elephant Malayan Tapir Black Rhinoceros Collared Peccary Pygmy Hippopotamus Pudu Reeves's Muntjac Okapi Giraffe	2 7 6 2	:	3 7 2 3 3 3 2 2 17 8 . 2	17	3		17/28 1/1	Casuariiformes Rhea americana Spheniscus demersus Pelecanisormes Pelecanus crispus (VU) Pelecanus onocrotalus Phalacrocorax lucidus Ciconiiformes Nycticorax nycticorax Ardeola bacchus Bubulcus ibis Egrena garzeita Ciconia abdimii Ciconia abdimii Ciconia aposcopus episcopus Threskiornis aethiopicus Geronticus eremia (CR) Theristicus melanopis Eudocimus ruber Plegadis ridgwayi Phoenicopteria chilensis Anseriformes C)gnus atratus C)gnus buccinator	Geater Rhea Greater Rhea Greater Rhea Greater Rhea Blackfooted (Jackass) Pengain Dalmatian Pelican Eastern White Pelican White-breasted Cormorant Night Heron Chinese Pond Heron Cattle Egret Abdim's Stork Asian Woolly-necked Stork Sacred Ibis Waldrapp Ibis Black-faced Ibis Scarlet Ibis Puna Ibis Chilean Flamingo Black Swan Trumpeter Swan	4 40 8 10 2 1 8 31 13 13 13 2 42 6 3 8 1	1 5 2 2 2 2 3 5 5 113(2)	672		457	12 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0/1 0/2 0/4 0/4 0/2 0/3 781 4/0 5/11/25 5/4 3/8/1 0/0/2 0/0/1 2/3 0/0/35 3/4/13 5/5/3 1/1 0/0/41 2/3/2 2/1 4/5/3 1/0 16/21 0/3/2 0/1
Atherurus africanus Dasyprocia punciata Mysprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Letonya striatus Ambionya striatus Ambionya striatus Ambionya striatus Melurus fulgens fulgens (EN) Nama nama Potas flavus Suricata suricatia Helogale parvula Afungas mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera ligris sumatrae (CR) Panthera pandus saxicolor (EN) Neofelis nebulosa nebulosa (VU) Proboscides Elephas maximus (EN) Perissodactyla Tapirus indicus (EN) Diceros hicornis michaeli (CR) Artiodactyla Tayassu tajacu Hesaprotoden liberiensis (VU) Pudu puda (VU) Muntiacus reevesi Okapio johustoni Giraffa camelopardalis Tragelaphus euryceros isaaci Bubahus depressicornis (EN) Orya leucorya (EN)	African Brush-tailed Porcupine South American Agouti Green Acouchs Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Ociental Small-clawed Otter Sloth Bear Red Panda Continuandi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lynx Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard Clouded Leopard Asian Elephant Malayan Tapir Black Rhinoceros Collared Peccary Pygmy Hippopotamus Pudu Reeves's Mantjac Okapi Giraffe Mountain Bongo Lowland Anoa Arabian Oryx Arabian Gazelle	2 7 6 2 11 · · · 3 1 6 3 2 3 1 9 5 2 1 3 2 2 1 1 3 2 2 2 3 1 2 2 2 3	:	3 7 2 3 3 3 2 2 17 8 . 2	17	3		17/28 1/1	Casuariiformes Rhea americana Spheniscus demersus Pelecaniformes Pelecanus crispus (VU) Pelecanus crispus (VU) Pelecanus crispus (VU) Pelecanus crispus (VU) Pelecanus orientalus Phalacrocorax lucidus Ciconiiformes Nycticurax nycticorax Ardeola bacchus Bubulcus this Egretsa garzetta Ciconia abdimii Ciconia apacopus episcopus Threskiornis aethiopicus Geronticus eremita (CR) Theristicus melanopis Eudocomus raber Plegadus ridgwayi Phoenicopterus chilensis Anseriformes Cygnus atratus Cygnus duccinator Anser erythropus (VU) Anser erythropus (VU)	Greater Rhea Greater Rhea Greater Rhea Greater Rhea Blackfooted (Jackass) Penguin Dalmatian Pelican Eastern White Pelican White-breasted Cormorant Night Heron Chinese Pond Heron Cattle Egret Little Egret Abdim's Stork Asian Woolly-necked Stork Sacred Ibis Waldrapp Ibis Black-faced Ibis Scarlet Ibis Pura Ibis Chilean Flamingo Black Swan	4 40 8 10 2 1 8 31 13 13 13 2 42 6 3 8 1	1 5 2 2 2 2 3 5 5 113(2)	672		457	12 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0/1 0/2 0/4 0/4 0/4 0/2 0/3 781 4/0 5/11/25 5/4 3/8/1 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/3 1/1 0/0/4 1/2/3/2 2/1 4/5/3 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0
Atherurus africanus Dasyprocia punciata Mysprocia punciata Mysprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Ictonyx striatus Ambionyx cinereus Melurus ursimus inormatus (VU) Allurus fulgens fulgens (EN) Nasua nasua Potas flavus Suricata suricatia Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera tigris sumatrae (CR) Panthera pardus saxicolor (EN) Neofelis nebulasa nebulosa (VU) Proboscidea Elephas maximus (EN) Perissodactyla Tapirus indicus (EN) Diceros bicornis michaeli (CR) Artiodactyla Tapirus indicus (EN) Diceros hicornis michaeli (CR) Mantiacat revesti Okapia johustoni Giraffa camelopardalis Tragelaphus euryceros isaaci Bubahus depressicornis (EN) Oryx leucoryx (EN) Gazella gazella arabica	African Brush-tailed Porcupine South American Agouti Green Acouchi Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Oriental Small-clawed Otter Sloth Bear Red Panda Coatimundi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lyrox Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard Clouded Leopard Asian Elephant Malayan Tapir Black Rhinoceros Collared Peccary Pygmy Hippopotamus Pudu Reeves's Mantjac Okapi Giraffe Mountain Bongo Lowland Anoa Arabian Guzelle Rabbit Guinea Pig Golden Harnster	2 7 6 2 11 · · · 3 1 6 3 2 3 1 9 5 2 1 3 2 2 1 1 3 2 2 2 3 1 2 2 2 3	:	3 7 2 3 3 3 . 2 17	17	3		17/28 1/1	Casuariiformes Rhea americana Spheniscus demersus Pelecaniformes Pelecanus crispus (VU) Pelecanus onocrotalus Phalacrocorax lucidus Ciconiiformes Nycticorax nycticorax Ardeola bacchus Bubulcus ibis Egretia garzeita Ciconia abdimii Ciconia apascopus episcopus Thresisicus melanopis Eudocmus raber Plegadis ridgwayi Phoenicopterus chilensis Anseriformes Cygnus atratus Cygnus atratus Cygnus atratus Cygnus atratus Cygnus atratus Cygnus atractus Cygnus buccinator Anser cygnoides (VU)	Greater Rhea Greater Rhea Greater Rhea Greater Rhea Greater Rhea Blackfooted (Jackass) Penguin Dalmatian Pelican Eastern White Pelican White-breasted Cormorant Night Heron Chinese Pond Heron Cattle Egret Abdim's Stork Asian Woolly-necked Stork Sacred Ibis Waldrapp Ibis Black-faced Ibis Scarlet Ibis Puna Ibis Chilean Flamingo Black Swan Trumpeter Swan Swan Goose Lesser White Horoned Goose Bar-beaded Goose Nene (Hawaiian Goose) Blue-winged Goose Blue-winged Goose	4 40 8 10 2 1 8 31 13 13 13 2 42 6 3 8 1	1 5 2 2 2 2 3 5 5 113(2)	672		457	12 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0/1 0/2 0/4 0/4 0/2 0/3 781 4/0 5/11/25 5/4 3/8/1 0/0/2 0/0/1 2/3 0/0/35 3/4/13 5/5/3 1/1 0/0/4 1/2 1/3 1/3 1/3 1/3 1/3 1/3 1/3 1/3
Atherurus africanus Dasyprocia punciata Mysprocia punciata Mysprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Ictonyx striatus Ambionyx cinereus Melurus ursimus inormatus (VU) Allurus fulgens fulgens (EN) Nasua nasua Potas flavus Suricata suricatia Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera tigris sumatrae (CR) Panthera pardus saxicolor (EN) Neofelis nebulasa nebulosa (VU) Proboscidea Elephas maximus (EN) Perissodactyla Tapirus indicus (EN) Diceros bicornis michaeli (CR) Artiodactyla Tapirus indicus (EN) Diceros hicornis michaeli (CR) Mantiacat revesti Okapia johustoni Giraffa camelopardalis Tragelaphus euryceros isaaci Bubahus depressicornis (EN) Oryx leucoryx (EN) Gazella gazella arabica	African Brush-tailed Porcupine South American Agouti Green Acouchs Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Ociental Small-clawed Otter Sloth Bear Red Panda Continuandi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lynx Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard Clouded Leopard Asian Elephant Malayan Tapir Black Rhinoceros Collared Peccary Pygmy Hippopotamus Pudu Reeves's Mantjac Okapi Giraffe Mountain Bongo Lowland Anoa Arabian Oryx Arabian Gazelle Rabbit Guinea Pig Golden Harnster House Mouse (domestic) Brossen Rat (domestic) Brossen Rat (domestic)	276211	:	3 7 2 3 3 3 2 2 17	17	3		17/28 1/1	Casuariiformes Rhea americana Spheniscus demersus Pelecaniformes Pelecanus crispus (VU) Pelecanus onocrotalus Phalacrocorax lucidus Ciconiiformes Nycticorax nycticorax Ardeola bacchus Bubulcus ibis Egretia garzeita Ciconia abdimii Ciconia abdimii Ciconia episcopus episcopus Threisticus melanopis Eudocmus raber Plegadis ridgwayi Phoenicopterus chilensis Anseriformes Cygnus atratus Cygnus baccinator Anser cygnoides (VU) Anser erythropus (VU) Anser andicus Branta sandvicensis (VU) Cyunochen cyanopterus Tadorna ferruginea Callonetta leucophys	Berkshire Caitle: Red Poll Sheep: Leicester Longwool Norfolk Horned Goat: Anglo-Nubian Pygray Bagot Windsor White Total: Mammals Greater Rhea Blackfooted (Jackass) Pengain Dalmatian Pelican Eastern White Pelican White-breasted Comorant Night Heron Chinese Pond Heron Cattle Egret Little Egret Abdim's Stork Asian Woolly-necked Stork Sacred Ibis Waldrapp Ibis Black-faced Ibis Scarlet Ibis Pona Ibis Chilean Flamingo Black Swan Trumpeter Swan Swan Goose Lesser White-fronted Goose Bar-beaded Goose Ruddy Sheldack Ringod Teal	4 40 8 10 2 1 8 31 13 13 13 2 42 6 3 8 1	1 5 2 2 2 2 3 5 5 113(2)	672		457	12 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0/1 0/2 0/4 0/4 0/4 0/2 0/3 781 4/0 5/11/25 5/4 3/8/1 0/0/2 0/0/1 2/3 0/0/35 3/4/13 5/5/3 1/1 0/0/41 2/3/2 2/1 4/5/3 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0
Atherurus africanus Dasyprocia punciata Mysprocia punciata Mysprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Ictonyx striatus Ambionyx cinereus Melurus ursimus inormatus (VU) Allurus fulgens fulgens (EN) Nasua nasua Potas flavus Suricata suricatia Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera tigris sumatrae (CR) Panthera pardus saxicolor (EN) Neofelis nebulasa nebulosa (VU) Proboscidea Elephas maximus (EN) Perissodactyla Tapirus indicus (EN) Diceros bicornis michaeli (CR) Artiodactyla Tapirus indicus (EN) Diceros hicornis michaeli (CR) Mantiacat revesti Okapia johustoni Giraffa camelopardalis Tragelaphus euryceros isaaci Bubahus depressicornis (EN) Oryx leucoryx (EN) Gazella gazella arabica	African Brush-tailed Porcupine South American Agouti Green Acouchi Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Oriental Small-clawed Otter Sloth Bear Red Panda Coatimundi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lynx Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard Clouded Leopard Asian Elephant Malayan Tapir Black Rhinoceros Collared Peccary Pygmy Hippopotamus Pudu Reeves's Mantjac Okapi Giraffe Mountain Bongo Lowland Anoa Arabian Gazelle Rabbit Guinea Pig Golden Harnster House Mouse (domestic)	276211	:	3 7 2 3 3 . 2 17	17	3		17/28 1/1 4/2 1/3 4/2 1/1/8 1/1 1/1 - 4/5 2/1 1/3 3/0 0/1 1/3 3/0 0/1 1/1 1/1 2/1 1/0 0/3 1/0 1/1 2/1 1/0 0/3 1/0 1/1 2/1 1/0 0/3 1/0 1/1 2/1 1/0 0/3 1/0 1/1 2/1 1/0 0/3 1/0 1/1 2/1 1/0 0/3 1/0 1/1 2/1 1/0 0/3 0/3 0/3 0/3 0/3 0/3 0/3 0/3 0/3 0	Casuariiformes Rhea americana Spheniscus demersus Pelecanis crispus (VU) Pelecanus crispus (VU) Pelecanus onocrotalus Phalacrocorax lucidus Ciconiiformes Nycticorax nycticorax Ardeola bacchus Bubulcus this Egretta garzetta Ciconia abdinii Ciconia episcopus episcopus Threskiornis aethiopicus Geronticus eremita (CR) Theristicus melanopis Eudocimus ruber Plegadis ridgwayi Phoenicopterus chilensis Anseriformes Cygnia atratus Cygnia atratus Cygnia buccinator Anser erythropus (VU) Anser indicus Branta sandvisconsis (VU) Cyanochen cyanopterus Tadorna ferruginea Callonenta leucophrys Aca galericalata Ansa sibilatrix	Geater Red Poll Sheep: Leicester Longwool Norfolk Horned Goat: Anglo-Nubian Pygray Bagot Windsor White Total: Mammals Greater Rhea Blackfooted (Jackass) Pengain Dalmatian Pelican Eastern White Pelican White-breasted Cormorant Night Heron Chinese Pond Heron Cattle Egret Abdim's Stork Asian Woolly-necked Stork Sacred Ibis Waldrapp Ibis Black-faced Ibis Scarlet Ibis Puna Ibis Chilean Flamingo Black Swan Trumpeter Swan Swan Goose Lesser White flonted Goose Bar-beaded Goose Nene (Harwaiian Goose) Blue-winged Goose Nene (Harwaiian Goose) Blue-winged Goose Nene (Harwaiian Goose) Blue-winged Goose Ruddy Sheldsock	4 40 8 10 2 1 8 31 13 13 13 2 42 6 3 8 1		672		457	12 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0/1 0/2 0/4 0/4 0/2 0/3 781 4/0 5/11/25 5/4 3/8/1 0/0/2 0/0/1 2/3 0/0/35 3/4/13 5/5/3 1/1 0/0/41 2/3/2 2/1 4/5/3 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0
Atherurus africanus Dasyprocia punciata Mysprocia punciata Mysprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Ictonyx striatus Ambionyx cinereus Melurus ursimus inormatus (VU) Allurus fulgens fulgens (EN) Nasua nasua Potas flavus Suricata suricatia Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera tigris sumatrae (CR) Panthera pardus saxicolor (EN) Neofelis nebulasa nebulosa (VU) Proboscidea Elephas maximus (EN) Perissodactyla Tapirus indicus (EN) Diceros bicornis michaeli (CR) Artiodactyla Tapirus indicus (EN) Diceros hicornis michaeli (CR) Mantiacat revesti Okapia johustoni Giraffa camelopardalis Tragelaphus euryceros isaaci Bubahus depressicornis (EN) Oryx leucoryx (EN) Gazella gazella arabica	African Brush-tailed Porcupine South American Agouti Green Acouchi Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Oriental Small-clawed Otter Sloth Bear Red Panda Continuadi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lynx Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard Clouded Leopard Asian Elephant Malayan Tapir Black Rhinoceros Collared Peccary Pygmy Hippopotamus Pudu Reeves's Mantjac Okapi Giraffe Mountain Bongo Lowland Anoa Arabian Gazelle Rabbit Guinea Pig Golden Harnster House Mouse (domestic) Brown Rat (domestic) Brown Rat (domestic) Clawed Jird (domestic) Clawed Jird (domestic) Perret Pony: Cream Dactmoor Welsh	276211	:	3 7 2 3 3 3 2 2 17	17	3		17/28 1/1	Casuariiformes Rhea americana Spheniscus demersus Pelecaniformes Pelecanus crispus (VU) Pelecanus crispus (VU) Pelecanus crispus (VU) Pelecanus concrotalus Phalacrocorax lucidus Ciconiiformes Nycticorax nycticorax Ardeola bacchus Bubulcus ibis Egenta garzetta Ciconia abdimii Ciconia apsicopus episcopus Threakisorus aedisopicus Geronticus eremita (CR) Theristicus melanopis Eudocmus ruber Plegadis ridgwayi Phoenicopterus chilensis Anseriformes Cygnus duccinator Anser cygnoides (VU) Anser erythropus (VU) Anser erythropus (VU) Anser indicus Branta sandvicensis (VU) Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Aca galericulata Ansa ishilatix Ansa laysamensis (VU) Ansa georgica georgica Ansa formosa (VU)	Gester Red Poll Sheep: Leicester Longwool Norfolk Horned Goat: Anglo-Nubian Pygray Bagot Windsor White Total: Mammals Greater Rhea Blackfooted (Jackass) Penguin Dalmatian Pelican Eastern White Pelican White-breasted Cormorant Night Heron Chinese Pond Heron Cattle Egret Abdim's Stork Asian Woolly-necked Stork Sacred Ibis Waldrapp Ibis Black-faced Ibis Scarlet Ibis Puna Ibis Chilean Flamingo Black Swan Trumpeter Swan Swan Goose Lesser White-bronted Goose Bar-beaded Goose Nene (Harwaian Goose) Blue-winged Goose Ruddy Sheldack Ringed Teal Mandarin Duck Chiloe Wigeon Laysan Teal South Georgia Pintall Baikal Teal Baikal Teal	4 40 8 10 2 1 8 31 13 13 13 2 42 6 3 8 1		672		457	12 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0/1 0/2 0/4 0/4 0/4 0/2 0/3 781 4/0 5/11/25 5/4 3/8/1 0/0/2 0/0/1 2/3 0/0/35 3/4/13 5/5/3 1/1 0/0/41 2/3/2 2/1 4/5/3 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0
Atherurus africanus Dasyprocia punciata Mysprocia punciata Mysprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Ictonyx striatus Ambionyx cinereus Melurus ursimus inormatus (VU) Allurus fulgens fulgens (EN) Nasua nasua Potas flavus Suricata suricatia Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera tigris sumatrae (CR) Panthera pardus saxicolor (EN) Neofelis nebulasa nebulosa (VU) Proboscidea Elephas maximus (EN) Perissodactyla Tapirus indicus (EN) Diceros bicornis michaeli (CR) Artiodactyla Tapirus indicus (EN) Diceros hicornis michaeli (CR) Mantiacat revesti Okapia johustoni Giraffa camelopardalis Tragelaphus euryceros isaaci Bubahus depressicornis (EN) Oryx leucoryx (EN) Gazella gazella arabica	African Brush-tailed Porcupine South American Agouti Green Acouchs Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Ociental Small-clawed Otter Sloth Bear Red Panda Coatimundi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lynx Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard Clouded Leopard Asian Elephant Malayan Tapir Black Rhinoceros Collared Peccary Pygmy Hippopotamus Pudu Reeves's Mantjac Okapi Giraffe Mountain Bongo Lowland Anoa Arabian Greelle Rabbit Guinea Pig Golden Harnster House Mouse (domestic) Brown Rat (domestic) Clawed Jird (domestic gerbil) Ferret Pony: Cream Darbnoor Welsh Mountain Shetland	276211	:	3 7 2 3 3 3 2 2 17	17	3		17/28 1/1 4/2 1/3 4/2 1/3 4/2 1/1/8 1/1 1/1 - 4/5 2/1 1/3 3/0 0/1 3/3 4/1 1/1 0/1 1/2 1/3 1/1 2/1 1/0 0/3 1/0 1/1 2/1 1/0 0/3 1/0 1/1 2/1 1/0 0/3 1/0 1/1 2/1 1/0 0/3 1/0 1/1 2/1 1/0 0/3 0/3 0/3 0/3 0/3 0/3 0/3 0/3 0/3 0	Casuariiformes Rhea americana Spheniscus demersus Pelecanis crispus (VU) Pelecanus operatus Phalacrocorax hycticorax Ardeola bacchus Bubulcus this Egretsa garzetta Ciconia abdimii Ciconia aposcopus episcopus Threskiornis aethiopicus Geronticus eremita (CR) Theristicus melanopis Eudocomus raber Plegadis ridgwayi Phoenicopterus chilensis Anseriformes Cygnus atrana Cygnus atrana Cygnus buccinator Anser erytiropus (VU) Anser erytiropus (VU) Anser erytiropus (VU) Anser indicus Branta sandvicensis (VU) Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Aca galericulata Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU)	Caitle: Red Poll Sheep: Leicester Longwool Norfolk Horned Goat: Anglo-Nubian Pygnty Bagot Windsor White Total: Mammals Greater Rhea Blackfooted (Jackass) Penguin Dalmatian Pelican Eastern White Pelican White-breasted Comorant Night Heron Chinese Pond Heron Cattle Egret Little Egret Abdim's Stork Asian Woolly-necked Stork Sacred Ibis Waldrapp Ibis Black-faced Ibis Scarlet Ibis Pura Ibis Chilean Flamingo Black Swan Trumpeter Swan Swan Goose Lesser White-fronted Goose Bar-beaded Goose Ruddy Sheldack Ringod Teal Mandarin Duck Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gargarey Marbled Duck	4 40 8 10 2 1 8 31 13 13 13 13 13 13 13 13 13 13 13 13		672		457	12 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0/1 0/2 0/4 0/4 0/2 0/3 781 4/0 5/11/25 5/4 3/8/1 0/0/2 0/0/1 2/3 0/0/35 3/4/13 5/5/3 1/1 0/0/2 2/1 4/5/3 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0
Atherurus africanus Dasyprocia punciata Mysprocia punciata Mysprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Ictonyx striatus Ambionyx cinereus Melurus ursimus inormatus (VU) Allurus fulgens fulgens (EN) Nasua nasua Potas flavus Suricata suricatia Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera tigris sumatrae (CR) Panthera pardus saxicolor (EN) Neofelis nebulasa nebulosa (VU) Proboscidea Elephas maximus (EN) Perissodactyla Tapirus indicus (EN) Diceros bicornis michaeli (CR) Artiodactyla Tapirus indicus (EN) Diceros hicornis michaeli (CR) Mantiacat revesti Okapia johustoni Giraffa camelopardalis Tragelaphus euryceros isaaci Bubahus depressicornis (EN) Oryx leucoryx (EN) Gazella gazella arabica	African Brush-tailed Porcupine South American Agouti Green Acouchs Chinchilla Degu Naked Mole Rat Maned Wolf Fennec Fox Zorilla Ociental Small-clawed Otter Sloth Bear Red Panda Continuandi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lynx Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard Clouded Leopard Asian Elephant Malayan Tapir Black Rhinoceros Collared Peccary Pygmy Hippopotamus Pudu Reeves's Mantjac Okapi Giraffe Mountain Bongo Lowland Anoa Arabian Oryx Arabian Gazelle Rabbit Guinea Pig Golden Harnster House Mouse (domestic) Clawed Jird (domestic) Clawed Jird (domestic gerbil) Ferret Pony: Cream Durtmoor Welsh Welsh Mountain	276211	11 2	3 7 2 3 3 3 2 2 17	17	3		17/28 1/1 - 4/2 1/3 4/2 1/3 4/2 1/1/8 1/1 1/1 1/1 - 4/5 2/1 1/3 3/0 0/1 3/3 4/1 1/1 0/1 1/2 1/3 1/1 1/0 0/3 1/1 1/1 2/1 1/0 0/3 1/1 1/1 2/1 1/2 1/2 1/2 1/2 1/2 1/2 1/2	Casuariiformes Rhea americana Spheniscus demersus Pelecaniscus crispus (VU) Pelecanus crispus (VU) Pelecanus crispus (VU) Pelecanus crispus (VU) Pelecanus concretalus Phalacrocoras nycticorus Ardeola bacchus Bubulcus this Egretsa garzetta Ciconia abdimii Ciconia apescopus episcopus Threskiornis aethiopicus Geronticus erenita (CR) Theristicus melanopis Eudocomus raber Plegadis ridgwayi Phoenicopterus chilensis Anseriformes Cygnus atranas Cygnus atranas Cygnus atranas Cygnus atranas Cygnus atranas Cygnus buccinator Anser erythropus (VU) Anser erythropus (VU) Anser erythropus (VU) Anser indicus Branta sandvicensis (VU) Cyunochen cyanopterus Tadorna ferruginea Callonetta leucophrys Aca galericulata Anas sibilatris Anas laysurensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula	Berkshire Caitle: Red Poll Sheep: Leicester Longwool Norfolk Horned Goat: Anglo-Nubian Pygray Bagot Windsor White Total: Mammals Greater Rhea Blackfooted (Jackass) Penguin Dalmatian Pelican Eastern White Pelican White-breasted Cormorant Night Heron Chinese Pond Heron Cattle Egret Little Egret Abdim's Stork Asian Woolly-necked Stork Sacred Ibis Waldrapp Ibis Black-faced Ibis Scarlet Ibis Puna Ibis Chilean Flamingo Black Swan Trumpeter Swan Swan Goose Lesser White-fronted Goose Bar-beaded Goose Nene (Harwaiian Goose) Blue-winged Goose Nene (Harwaiian Goose)	4 40 8 10 2 1 8 31 13 13 13 13 13 13 13 13 13 13 13 13		672		457	12 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0/1 0/2 0/4 0/4 0/2 0/3 781 4/0 5/11/25 5/4 3/8/1 0/0/2 0/0/1 2/3 0/0/35 3/4/13 5/5/3 1/1 0/0/41 2/3/2 2/1 4/5/3 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/1 1/1
Atherurus africanus Dasyprocia punciata Mysprocia punciata Mysprocia acouchy Chinchilla laniger Octodon degus Heterocephalus glaber Carnivora Chrysocyon brachyurus Vulpes zerda Ictonyx striatus Ambionyx cinereus Melurus ursimus inormatus (VU) Allurus fulgens fulgens (EN) Nasua nasua Potas flavus Suricata suricatia Helogale parvula Mungos mungo Caracal caracal Felis margarita harrisoni Panthera leo persica (EN) Panthera tigris sumatrae (CR) Panthera pardus saxicolor (EN) Neofelis nebulasa nebulosa (VU) Proboscidea Elephas maximus (EN) Perissodactyla Tapirus indicus (EN) Diceros bicornis michaeli (CR) Artiodactyla Tapirus indicus (EN) Diceros hicornis michaeli (CR) Mantiacat revesti Okapia johustoni Giraffa camelopardalis Tragelaphus euryceros isaaci Bubahus depressicornis (EN) Oryx leucoryx (EN) Gazella gazella arabica	African Brush-tailed Porcupine South American Agouti Green Acouchi Chinchilla Degu Naked Mole Rat Maned Wolf Fernec Fox Zorilla Oriental Small-clawed Otter Sloth Bear Red Panda Coatimundi Kinkajou Meerkat Dwarf Mongoose Banded Mongoose Caracal Lynx Sand Cat Asiatic Lion Sumatran Tiger Iranian Leopard Clouded Leopard Asian Elephant Malayan Tapir Black Rhinoceros Collared Peccary Pygmy Hippopotamus Pudu Reeves's Muntjac Okapi Ginffe Mountain Bongo Lowland Anoa Arabian Oryx Arabian Gazelle Rabbit Guinea Pig Golden Hamster House Mouse (domestic) Brown Rat (domestic) Clawed Jird (domestic gerbil) Ferret Pony: Cream Durtmoor Welsh Welsh Mountain Shetland Bay Llama	276211	11 2	3 7 2 3 3 3 2 2 17 8 . 2	17	3		17/28 1/1	Casuariiformes Rhea americana Spheniscul demersus Pelecanistormes Pelecanist crispus (VU) Pelecanist onocrotalus Phalacrocorax lucidus Ciconiiformes Nyeticorax nyeticorax Ardeola bacchus Bubulcus ibis Egretta garzetta Ciconia abdimii Ciconia episcopus episcopus Threskiornis aethiopicus Geronticus eremita (CR) Theristicus melaropis Eudocomus ruber Plegadus ridgwayi Phoenicopterus chilensis Anseriformes Cygnus atratus Cygnus atratus Cygnus atratus Cygnus atratus Cygnus atratus Cygnus atratus Cygnoides (VU) Anser erythropus (VU) Anser indicus Branta sandvicensis (VU) Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Aca galericulata Ansa sibilatrix Ansa laysanensis (VU) Ansa georgica georgica Anas formosa (VU) Ansa querquedula Marmaronetta angustirostris (VU) Aythya pyroca (VU) Aythya pyroca (VU)	Gester Red Poll Sheep: Leicester Longwool Norfolk Horned Goat: Anglo-Nubian Pygray Bagot Windsor White Total: Mammals Greater Rhea Blackfooted (Jackass) Penguin Dalmatian Pelican Eastern White Pelican White-breasted Cormorant Night Heron Chinese Pond Heron Cattle Egret Abdim's Stork Asian Woolly-necked Stork Sacred Ibis Waldrapp Ibis Black-faced Ibis Scarlet Ibis Puna Ibis Chilean Flamingo Black Swan Trumpeter Swan Swan Goose Lesser White-fronted Goose Bar-beaded Goose Nene (Hawaiian Goose) Blue-winged Goose Ruddy Sheldack Ringed Teal Mandarin Duck Chiloe Wigeon Laysan Teal South Georgia Pintall Baikal Teal Garganey Marbled Duck Ferruginous (White-eyed) De Baer's Pochard Snew Hooded Merganser	4 40 8 10 2 1 8 31 13 13 13 13 13 13 13 13 13 13 13 13		672		457	12 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0/1 0/2 0/4 0/4 0/2 0/3 781 4/0 5/11/25 5/4 3/8/1 0/0/2 0/0/1 2/3 0/0/35 3/4/13 5/5/3 1/1 0/0/41 2/3/2 2/1 4/5/3 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0

			1	2	3	4	5	6	7			1	2	3	4	5		7
	Falconiformes									Ara rubrogoma (EN)	Red-fronted Macaw					-		- Contract
	Cathories aura Milous migrans	Turkey Vulture	6					1(1)	3/2	Pyrrhura cruentata (VU)	Blue-throated Conure	6				1	1	2/1 2/3
	Milrus migrans migrans	Black Kite Black Kite	1				i		1/1	Mysepsitta monachus Deroptysu accipitrinus	Monk Parakeet Hawk-beaded Parrot	4	*					0/0/4
	Terothopius ecaudatus Polyboroides typus	Bateleur Eagle	2			-		2	+	Cuculiformes				-	8	- 90		1/1
	Parabuteo unicinctus	African Harrier Hawk Harris's Hawk	2	-				1	1/3/1	Musophaga violacea	Violet Plantain-eater	2			1	1		1/0
	Galliformes									Tauraco erythrolophus Tauraco leucotis	Red-crested Tursoo	3	2			-		3/2
	Rollulus roulroul	Crested Wood Partridge	9		15	7	1	-	11/5	Touraco corythaix fischeri	White-cheeked Turaco Fischer's Turaco	1	2		-	-		1/1
	Gallus gallus Lophura diardi (VU)	Red Junglefowl Siamese Crested Fireback	2				1		1/0 2/2	Strigiformes			000					
	Lophura edwardsi (CR)	Edward's Pheasant	4	+					2/2	Tyto alba	Barn Owl	2					1	0/0/1
	Pavo cristatus Pavo muticus (VU)	Common Peafowl Green Peafowl	5		4	4	1	5	1/0	Phodilus badus Otus leucotis	Oriental Bay Owl White-faced Scops Owl	11	-			-		1/1
	Afropano congensis (VU)	Congo Peafowl	2						2/0	Bubo huho huho	Eurasian Eagle Owl	1		•	2	-	2	6/4
	Polyplectron emphanum (EN)	Palawan Peacock Pheasant	3					*	2/1	Pulsatrix perspicillata Speotyto cunicularia	Spectacled Owl Burrowing Owl	4	*	1		+	1	2/2
	Gruiformes Cariama cristata	0.41								Strix hylophila	Rusty-barred Owl	7		1		-		2/4/2
	Grus japonensis (VU)	Red-legged Seriema Red-crowned (Manchurian)	-	1		*	1	*		Strix nebulosa lapponica Strix rufipes chacoensis	Great Grey Owl Rufous-legged Owl	2	*			1		1/0
	Grus paradisea (VU)	Crane Steeler Course	2		-				1/1	Caprimulgiformes	Time to again to the							1/1
	Gallinula nesiotis comeri (VU)	Stanley Crane Gough Island Moorhen	4		1			2	1/1	Podargus strigoides	Tawny Frogmouth	3			1	1	12.0	2/1
	Raillies striatus	Slaty-breasted Rail	1						1/0	Apodiformes								770
	Charadriiformes									Amazillia sp.	Hummingbird		1			1	-	0/1
	Burhinus oedicnemus Recurvirostra avasetta	Stone Curlew Pied Avocet	4				2	3(3)	20	Coraciiformes								
	Vanellus miles miles	Masked Lapwing	4		7	3	1	2	4/1	Dacelo novarguineae	Kookaburra	1	-					0/0/1
	Larus cirrocephalus poiocephalus Larusterna inca	Grey-headed Gull Inca Term	10		:		3	1	0/0/7	Coracias caudata Anthracoceros malayanus	Lilac-breasted Roller Black Hombill	4	2	4		1	1	1/1/4
	Columbiformes	STERRE	- 74		15					Anthracoceros albirostris				8	-	1		
	Columba guinea	Speckled Pigeon	1				1			Bycanistes subcylindricus	Southern Pied Hombill Black-&-white Casqued Hombill	1		0	0	1	*	0/1
	Gallicolumba criniger (VU) Ducula aenea aenea	Mindanao Bleeding Heart Dove	4		1		1		2/1	Buceros bicomis Buceros rhinoceros	Great Indian Hombill	3			-		1	1/1
	Ducula aenea paulina	Green Imperial Pigeon Chestnut-naped Imperial Pigeon	3		4	î	*	1	1/1/1		Rhinoceros Hombill	1	*	*	53			0/1
	Ducula rufigaster Ducula concirna	Purple-tailed Imperial Pigeon Blue-tailed Imperial Pigeon	4		3	2	1	+	2/2	Piciformes Ramphastos tucanus	Red-billed Toucan							
	Ducula perspicillata	Spectacled Imperial Pigeon	i		į.		1		1/0	Pteroglossus aracari	Black-necked Aracani	5		3	3		i	3/1
	Ducula pinon Ducula ponae Zoese	Pinon Imperial Pigeon Imperial Pigeon	2		*				1/1	Passeriformes								
	Palinopus cincus albocincus	Black-backed Fruit Dove	4			-	1		3/0	Pitta sordida	Hooded Pitta	1			*	*	-	0/1
	Ptilinopus magnificus Ptilinopus melanospila	Magnificent Fruit Dove Black-raped Fruit Dove	2	-					20	Copsychus malabaricus Copsychus saularis	Common Shama Asian Magpie Robin	4		13	3	3	6	4/1
	Ptilinopus superbus	Superb Fruit Dove	4	1	2		-		2/1 2/2	Coxypha albicapilla	White-crowned Robin			-	2			
	Zenaida graysani (EW)	Socomo Dove	1						1/0	Cossypha niveicapilla	Chat Snowy-headed Robin Chat	3		8	7	1	2	2/1/1
	Psittaciformes									Ocnanthe oenanthe	Northern Wheatear	2			-			1/1
	Trichoglossus johnstoniae (VU) Charmosma josefinae	Mt Apo Lonkeet Josephine's Lonkeet	î	4					2/2	Rhyacomis fuliginosus Turdus dissimilis	Plumbeous Redstart Black-breasted Thrush		4					2/2
	Charmosyna pulchella pulchella	Fairy Lonkeet	1				1			Garrulax galbama Garrulax chinensis	Yellow-throated Laughing Thrush	2	1				1	1/1
	Charmonyna pulchella rothschildi Eos cyanogenia (VU)	Fairy Lonkeet Black-winged Lory	5				1	+	2/1 3/1	Liocichla amesaniii (VU) S	Black-throated Laughing Thrush Omei Shan Babbler	3	2	-	-	2		1/1
	Vini australia	Blue-crowned Lory	1	3			1	+	2/1	Nectarinia pulchella Paroaria caronata	Beautiful Sunbird Red-crested Cardinal		2					1/1
	Eolophus roseicapillus Calyptorhynchus banksii	Galah Red-tailed Black Cockatoo	5	1				2	1/0	Paroaria dominicana	Control of the Contro	2		9	1	6	4	5/5
	Cacatua moluccensis (VU) Agapomis taranta	Salmon-crested Cockatoo	7		2	2		3	2/2	Passerina brissonii Tangara cayana	Ultramarine Grosbeak Burnished Buff Tanager	- 1	10			4		3/3
	The state of the s	Black-winged Lovebird Black-cheeked Lovebird	22		16		1		0/0/37	Tangara arthus	Golden Tanager	î .				1		0/1
	Amazona brasiliensis (EN) Anadorhynchus hysoconthosus (VU)	Red-tailed Amazon Hyacinth Macaw	11	1			-		1/1 3/8	Tangara fastuosa (EN) Tangara icterocephala	Superb (Seven-coloured) Tanager Silver-throated Tanager	4			-	1		0/2/1
	Ara ambigua Ara chloroptera	Buffon's Macaw Green-winged Macaw	2			-	-		0/2	Carduelis cucullata (EN)	Red Siskin		4	+	+	-	-	2/2
	And Committee of the Co								9.44							-	-	100,0
				_	141	-	_	•	1/1	Chlochia gouldine (EN)	Gouldian Finch 12		+ 1					
=			,	1	3	-		6	7	Chicener grander (EN)			2	3		•	4	7
ī	Erythrura puttacea	Red-throated Parrot Finch	1 6	2	3	•	•	6	7 2/4	Chamaeleo calyptrotus	Yemen Chameleon	1 3	2 1		•	* 2	:	2/0 1/0
Ī	Estrilda troglodytes	-	1 6 4 1	:	,	•	•	6	7 2/4 0/0/4 1/0	Chamaeleo calyptrotus Chalcides ocellatus Corucia zebrata	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik	1 6	1	,		5 2		2/0 1/0 2/1/4
	Estrilda traglodytes Vidua sp. Vidua macroura	Red-throated Parrot Finch Black-numped Washill Combassou Pin-tailed Whydah	1 6 4 1 2		,	* 1	5		7 2/4 0/0/4 1/0 2/0	Chamaeleo calsperatus Chalcides ocellatus Coructa zebrata Eumeces schneideri	Yemen Chameleon Eyed Skink	1 3 1 6 1 8	1			5 2 1		2/0 1/0 2/1/4 1/0 3/4
	Estrilda tragiodytes Vidua sp. Vidua macroura Quelea quelea	Red-throated Parrot Fisch Black-rumped Waxbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea)	1 6 4 1 2 14 1		,		5	4	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1	Chamaeleo caliptrotus Chalcides ocellatus Corucia zebrata Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides	Yemen Chameleon Eyed Skink Prehemile-tailed Skink Schneider's Skink Shingleback Eastern Blue-tongued Skink	1 3 1 6 1 8 3	1			5 2 1 1		2/0 1/0 2/1/4 1/0
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris	Red-throated Parrot Finch Black-numped Washill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling	1 5	3	,	•	5	4	7 2/4 0/6/4 1/0 2/0 0/0/12	Chamaeleo calyptratus Chalcides ocellatus Corucia zobrata Euroces schneideri Tiliqua rugosa	Yemen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Bejer's Skink	1 3 1 6 1 8 3 1 1	2 1			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1
	Estrilda traglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU)	Red-throated Parrot Finch Black-rumped Wathill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah	1 6 4 1 2 14 1 5 10 1	2 4 1	,	•	5	6	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1	Chamacleo caliptrotus Chalcides occilianis Corucia zebrota Euneces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mahuya perrotetti Gongylomorphus bojerii Gerrhosaurus major	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Shingleback Eastern Blue-tongued Skirik Red-sided Skirik Bejer's Skirik Greater Plated Lizard	1 3 1 6 1 8 3 1 1 4 4	1 . 2			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothochildi (CR) Ampelicaps coronatus Basilornis celebensis	Red-throated Parrot Finch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah	1 5	2	3		5	4	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6	Chamaeleo caliptrotus Chalcides occilistus Corucia zebrata Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuju perrotetti Gangdomorphus bajerii	Yemen Chameleon Eyed Skink Prebensile-tailed Skink Schneider's Skink Schneider's Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Bejer's Skink Greater Plated Lizzed Ocellated Lizzed (Berlenga Isl.) Jewelled Lizzed	1 3 1 6 1 8 3 1 1 4 4 4 1 1	2 1		•	1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT)	Red-throated Parrot Finch Black-rumped Wathill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah	1 5	2	3	*	5	*	7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1	Chamaeleo calyptratus Chalcides ocellatus Corucia zebrata Eumeces schneideri Tiliqua ragasa Tiliqua scincoides scincoides Matuyu perrotetti Gengolomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus praximus	Yernen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Shingleback Eastern Blue-tongued Skirik Red-sided Skirik Bojer's Skirik Greater Plated Lizzerd Ocellated Lizzerd Green Tree Monitor	1 3 1 6 1 8 3 1 1 4 4 4 1 5 3	2 1 2 2			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothochildi (CR) Ampelicaps coronatus Basilornis celebensis	Red-throated Parrot Finch Black-numped Washill Combassou Pen-tailed Whydah Rod-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough	1 5	2		*	5		7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2	Chamaeleo calyptratus Chalcides ocellatus Corucia zebrata Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuyu perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida	Yemen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor	1 3 1 6 1 8 3 1 1 4 4 4 1 5 3 2	1 . 2			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT)	Red-throated Parrot Finch Black-numped Washill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough	1 5	2		*			7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8	Chamaeleo caliptratus Chalcides ocellatus Corucia zebrata Eumeous schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perrotetti Gongylamorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus timorensis Varanus albigularis Varanus niloticus	Yernen Chameleon Eyed Skink Prehenale-tailed Skink Schneider's Skink Schneider's Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor	1 3 1 6 1 8 3 1 1 4 4 1 1 5 3 2 1 1	1 2			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT)	Red-throated Parrot Finch Black-numped Waobill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough	1 5 10 1 2 3 3	2	3	*	s		7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2	Chamaeleo calspiratus Chalcides ocellunus Carucia zebrota Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prastinus Varamus timorensis Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU)	Yemen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor	1 3 1 6 1 8 3 1 1 4 4 4 1 5 3 2 1	1 1 2			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT)	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar	1 5 10 1 2 3 18 8	2	3	4	2	6	7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5	Chamaeleo calyptratus Chalcides ocellatus Carucia zebrata Eumeces schneideri Tiliqua rugasa Tiliqua scincoides scincoides Mabuyu perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus praximus Varanus timorenxis Varanus timorenxis Varanus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum	Yernen Chameleon Eyed Skirik Prehemile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bajer's Skirik Bejer's Skirik Greater Plated Lizzed Ocellated Lizzed Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster	1 3 1 6 1 8 3 1 1 4 4 1 1 5 3 2 1 4 1	11			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT)	Red-throated Parrot Finch Black-numped Washill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough	1 5 10 1 2 3 3	2	3	4	5 	54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8	Chamaeleo caliptrotus Chalcides ocellatus Corucia zebrata Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mobioju perrotesti Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus praximus Varanus albigularis Varanus albigularis Varanus niloitus Heloderma suspectum suspectum (VU) Heloderma horridum exasperatum (VU) Ophicaurus apodus	Yernen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Shingleback Eastern Blue-tongued Skirik Red-sided Skirik Bojer's Skirik Greater Plated Lizzerd Ocellated Lizzerd Ocellated Lizzerd Genen Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizzerd Scheltopunik (Glass Lizzerd)	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4	11			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocaras pyrrhocoras (RT) Domestic	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar	1 5 10 1 2 3 18 8	2	3	4	2	54(4)	7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5	Chamacleo calyptrotus Chalcides ocellatus Corucia zebrata Elameces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mobuyu perrotesti Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida (RT) Lacerta lepida lepida Varanus praxinus Varanus miloticus Heloderna nopectum suspectum suspectum (VU) Heloderna horridum exusperatum (VU) Ophisaurus apodus Cordylus giganteus (VU)	Yernen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Shingleback Eastern Blue-tongued Skirik Red-sided Skirik Bejer's Skirik Greater Plated Lizzed Ocellated Lizzed Ocellated Lizzed Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizzed	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 4 1 4 6 3 3 2 1 1 4 4 4 1 4 4 4 1 4 4 4 4 4 4 4 4 4	1 1 2 2			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT)	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar	1 5 10 1 2 3 18 8	2	1 7	4	2	54(4)	7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5	Chamaeleo calspiratus Chalcides ocellunus Carucia zebrota Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prastinus Varamus prastinus Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma horrichum exusperatum (VU) Ophisaurus ajodus Cordylus giganteus (VU) Cordylus polyzonus	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Eastern Blue-tongued Skirik Red-sided Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard Genen Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer	1 3 1 6 1 8 3 1 1 4 4 1 1 5 3 2 1 4 6 3	1 1 2 2 2		•	1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 2/0/2 2/2 1/1 5/0 2/1 2/1 2/1 2/1 2/1 2/1 2/1 2/1 2/1 2/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Fouda flavicans (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps caronatus Basilornis celebensis Pyrrhocaras pyrrhocoras (RT) Domestic REPTILES Testudines	Red-throated Parrot Finch Black-numped Waobill Combassou Pen-tailed Whydah Red-bealed Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds	1 5 10 1 2 3 18 8	2	3	4	2	54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5	Chamaeleo calyptratus Chalcides ocellatus Carucia zebrata Eumeces schnesderi Tiliqua ragasa Tiliqua scincosdes scincosdes Mahuya perrotetti Gerphomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus praximus Varanus timorensis Varanus albigularis Varanus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis albertisti	Yernen Chameleon Eyed Skirak Prebensile-tailed Skirak Schneider's Skirak Schneider's Skirak Schneider's Skirak Beder's Skirak Beder's Skirak Beder's Skirak Greater Plated Lizzed Ocellated Lizzed Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizzed Scheltopusik (Glass Lizzed) Sungazer Karoo Girdled Lizzed	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6	1 1		•	2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothochildi (CR) Ampeliceps coronatus Basilomis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic REPTILES Testudines Stemotherus adoratus	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar	1 5 10 1 2 3 18 8	2	1 7	4	2	54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690	Chamaeleo calyptratus Chalcides ocellatus Corucia zebrata Eumeces schneideri Tiliqua rugasa Tiliqua scincoides scincoides Matuyu perrotetti Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus praximus Varanus timorensis Varanus albigularis Varanus albigularis Varanua niloticus Heloderma suspectum suspectum (VU) Heloderma horridam exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis mackloti sanuensis	Yernen Chameleon Eyed Skirak Prehensile-tailed Skirak Schneider's Skirak Schneider's Skirak Schneider's Skirak Red-sided Skirak Beojer's Skirak Greater Plated Lizzed Ocellated Lizzed Ocellated Lizzed Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizzed Scheltopasik (Glass Lizzed) Sungazer Karoo Girdled Lizzed	1 3 1 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 4 6 3 1 4 6 1 4 6 1 4 6 1 4 1 4 1 4 1 4 1 4 1	1 1 2 2			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 1/0 1/0 1/0 1/0 1/0
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Laucepsar rothochildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic Testudines Sernotherus odoratus Trachenys scripta elegans Trachenys decorata (VU)	Red-throated Parrot Finch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider	1 5 10 1 2 3 18 8	2	1 7 162	4	2	54(4)	7 2/4 0/6/4 1/0 2/0 0/6/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690	Chamaeleo calsperatus Chalcides ocellunus Corucia zebrota Eumeces schneideri Tiliqua scincoides scincoides Mabuya perrotetti Genglomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus mobigularis Varamus miloticus Heloderma mapectum suspectum (VU) Heloderma horridum exaspectum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis mackloti samiensis Morelia spilotes spilotes Python curtus brongersmai	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Groen Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Blood Python Blood Python Blood Python	1 3 1 6 1 8 3 1 1 4 4 1 1 5 3 2 1 4 6 3 4 6 1 4 4	1 1 2 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 1/0
	Estrida troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothochildi (CR) Ampeliceps coronana Basilornis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic Testudines Stemoderus odoratus Trachemys scripta elegans Trachemys decorata (VU) Heosemys grandis	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds	1 5 10 1 2 3 18 8	62(3)	162	4	2	54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690	Chamaeleo calspiratus Chalcides ocellunus Carucha zebrota Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus prasimus Varamus albigularis Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma horrichum exusperanum (VU) Ophinaurus apodus Cordylus giganteus (VU) Cordylus polyzomus Sexpentes Liasis albertisti Liasis mockloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 1 4 5 4	1 1 2 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 1/0 0/1 1/0 0/0/4 2/3 2/0 1/3
	Estrilda tragiodytes Vidua sp. Vidua macroura Quelea flavicans (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocaras pyrrhocoras (RT) Domestic Testudines Sernotherus odoratus Trachemys scripta elegans Trachemys decorata (VU) Heasemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga	Red-throated Parrot Finch Black-rumped Waobill Combassou Pen-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emenald Glossy Starling Rothschild's Myrah Golden-crested Myrah Sulawesi Myrah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle	1 5 10 1 2 3 18 8	2	1 7 162	4	2	54(4)	7 2/4 0/6/4 1/0 2/0 0/6/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690	Chamaeleo calyptratus Chalcides ocellatus Carucia zebrata Eumeces schneideri Tiliqua ragosa Tiliqua scincoides scincoides Mabuya perrotetti Genghomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus albigularis Varanus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum esusperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis albertisti Llasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python urtus brongersmai Python regius	Yennen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Schneider's Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopasik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Royal Python	1 3 1 6 1 8 3 1 1 4 4 1 1 5 3 3 2 1 4 6 6 3 4 6 6 1 4 5 4 10 3	1 1 2 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/0/4 2/3 2/0 1/3 - 1/0 2/2 0/0/3
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Fouda flavicans (VU) Lamprotomis iris Leucopsar rothochildi (CR) Ampeliceps coronatus Basilomis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic REPTILES Testudines Stemotherus odoratus Trachemys scripta elegans Trachemys decorata (VU) Heosemys grunds Terrapene coahuila (EN) Melanochelys trijuga trijuga Graptomys kohnii	Red-throated Parrot Finch Black-numped Waobill Combassou Pen-tailed Whydah Rod-beaked Weaver (Quelea) Rodrigues Fody Emenald Glossy Starling Rothschild's Myrath Golden-crested Myrath Sulawesi Myrath Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Guart Asian Pond Turtle Mexican Box Terrapin	1 5 10 1 2 3 18 8	62(3)	1 7	4	2	54(4)	7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4	Chamacleo calyptratus Chalcides ocellatus Corucia zebrata Eumeces schneideri Tiliqua ragasa Tiliqua scincoides scincoides Mahuya perrotetti Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus praximus Varanus timorensis Varanus albigularis Varanus albigularis Varanus albigularis Varanus albigularis Varanus albigularis Varanus appectum suspectum (VU) Heloderma suspectum exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis albertisti Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brestensteini Python regius Epicrates subflarus (VU)	Yennen Chameleon Eyed Skirak Prehensile-tailed Skirak Schneider's Skirak Schneider's Skirak Schneider's Skirak Red-sided Skirak Red-sided Skirak Red-sided Skirak Greater Plated Lizzed Ocellated Lizzed Ocellated Lizzed Greater Plated Lizzed Grent Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Moniter Rio Grijalva Beaded Lizzed Scheltopusik (Glass Lizzed) Sungazer Karoo Girdled Lizzed D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Borneo Blood Python Borneo Blood Python Borneo Python	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 1 4	1 1 2 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 0/1
	Estrilda tragiodytes Vidua sp. Vidua macroura Quelea fluvicans (VU) Lamprotornis iris Leucopsar rothochildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic Testudines Stemotherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys decorata (VU) Heosemys grundis Terropene coshulla (EN) Melanochelys trijuga trijuga Graptemys kolnis Pyxis arachnosides (VU) Homopus areolatus	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise	1 5 10 1 2 3 3 18 8 8 698 698	62(3)	162	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2	Chamaeleo calsperatus Chalcides ocellanus Corucia zebrota Eumeces schneideri Tiliqua scincoides scincoides Mabuya perrotetti Gengolomorphus bojerii Gerhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus prasimus Varamus timorensis Varamus albigularis Varamus miloticus Heloderma mapectum suspectum (VU) Heloderma horridum esuspectum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis macklosi samiensis Morelia spilotes spilotes Python curtus brongersmai Python regius Epicrotes subflavus (VU) Sanzinia mackgascariensis (VU) Boa constrictor	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Bejer's Skirik Greater Plate-tongued Skirik Red-sided Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard Genen Tree Monitor Timor Monitor Bosc's Monitor Reticulated Gila Moniter Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer Karoo Girdied Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 1 4	1 1 2 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 0/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicians (VU) Lamprotomis iris Leucopsar rothochildi (CR) Ampelicipis coronatus Basilomis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Stemotherus adoratus Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptomys kohnii Pyxis arachnoides (VU)	Red-throated Parrot Fisch Black-rumped Waxbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Guart Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise	1 5 10 1 2 3 18 8	2	162	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1	Chamaeleo calyptratus Chalcides ocellatus Corucia zebrota Eumeces schneideri Tiliqua seincoides scincoides Mabuya perrotetti Gengylomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prazinus Varanus prazinus Varanus albigularis Varanus albigularis Varanus albigularis Varanus miloticus Heloderma suspectum suspectum (VU) Heloderma horrichim exasperatum (VU) Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis albertisii Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python regius Epicrates subfarus (VU) Sanzinia madogascariensis (VU) Sanzinia madogascariensis (VU)	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burmese Python Royal Python Jamaican Boa Madagascan Tree Boa	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 1 4	1 1 2 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/0/4 2/3 2/0 1/3 - 1/0 2/2 0/0/3 0/3 2/1/6 3/0 2/2/2 0/0/2 0/2 1/1/9
	Estrilda traglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic Testudines Sernotherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptemya kohnii Pystis arachnoides (VU) Homopus areolatus Testudo praeca (VU) Testudo hornfieldi (VU)	Red-throated Parrot Finch Black-rumped Waobill Combassou Pen-tailed Whydah Rod-beaked Weaver (Quelea) Rodrigues Fody Emenald Glossy Starling Rothschild's Myrath Golden-crested Myrath Sulawesi Myrath Red-billed Chough Duck Chicken Budgerigar Total: Blirds Stinkpet Red-eared Terrapin Hispaniolan Slider Guart Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Perrot-beaked Cape Tortoise Central Asian Tortoise Central Asian Tortoise	1 5 10 1 2 3 3 18 8 8 698 698	2	1 7 162	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/6/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3	Chamaeleo calyptratus Chalcides ocellanus Carucia zebrata Eumeces schneideri Tiliqua ragasa Tiliqua scincoides scincoides Mabuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum exusperanum (VU) Ophisaurus apodus Cordylus giganieus (VU) Cordylus polyromus Serpentes Lianis albertisii Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python regius Epicrates subfarna (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus	Yennen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Schneider's Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Schehopusik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burmese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Dumeni's Boa Rough-scaled Sand Boa Rough-scaled Sand Boa	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	1 1 2 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 1/0 0/1 1/0 0/0/4 2/3 2/0 1/3 1/0 2/2 0/0/3 0/3 2/1/6 3/0 0/2 2/2 0/0/2 0/2
	Estrilda tragiodytes Vidua sp. Vidua macroura Quelea flavicans (VU) Lamprotornis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocaras pyrrhocoras (RT) Domestic REPTILES Testudines Stemotherus adoratus Truchemys scripta elegans Truchemys scripta elegans Truchemys decorata (VU) Heasemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptomys kolnii Pyais arachnoides (VU) Homopus areolatus Testudo graeca (VU) Testudo hermanni	Red-throated Parrot Fisch Black-rumped Warshil Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Guart Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Spur-thighed Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Marginated Tortoise	1 5 10 1 2 3 3 18 8 8 698 698	62(3)	162	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 0/2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0	Chamaeleo calsperatus Chalcides ocellunus Carucia zebrota Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus timorensis Varamus albigularis Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma horrichum exusperatum (VU) Ophinaurus apodus Cordylus giganteus (VU) Cordylus polyzomus Serpentes Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python molarus bivittatus Python molarus bivittatus Python molarus albiguicariensis (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Bejer's Skirik Greater Blue-tongued Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard Genen Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Burmese Python Burmese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durneri's Boa Rough-scaled Sand Boa Smooth Sand Boa Boipevassu Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	1 1 . 2	3		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/04 2/3 2/0 1/3 - 1/0 2/2 0/0/3 0/3 2/1/6 3/0 2/2/2 0/0/2 0/2 1/1/9 0/2 2/0 2/1/5
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothochildi (CR) Ampeliceps coronatus Basilomis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic REPTILES Testudines Stemotherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys decorata (VU) Heosemys grundis Terrapene coahuila (EN) Melanochelys trijuga trijuga Graptemys kohnii Pyxis arachnoides (VU) Homopus areolatus Testudo praeca (VU) Testudo horsfieldi (VU) Testudo horsfieldi (VU) Testudo horsfieldi (VU) Testudo horsfieldi (VU) Testudo marginatu Malacochersus tomieri (VU)	Red-throated Parrot Fisch Black-rumped Waobill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Silder Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Legyptian Tortoise Egyptian Tortoise	1 5 10 1 2 3 3 18 8 8 698 698	62(3)	163	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/6/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1	Chamaeleo calyptratus Chalcides oceilanus Corucia zebrota Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perrotetti Gengolomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus prasinus Varanus albigularis Varanus albigularis Varanus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum esuspectum (VU) Ophsaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis macklosi sanuensis Morelia spilotes spilotes Python curtus brongersmai Python rugius Python regius Python regius Erys subflavus (VU) Sazania maskogascarienus (VU) Boa constrictor	Yennen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Schneider's Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopasik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Bomeo Blood Python	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	1 1 2 2	3		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/04 2/3 2/0 1/3 - 1/0 2/2 0/0/3 0/3 2/1/6 3/0 2/2/2 0/0/2 0/2 1/1/9 0/2 2/0 0/2 0/2 1/1/9 0/2 2/0
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea flavicans (VU) Lamprotornis iris Leucopsar rothochidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Stemotherus odoratus Truchemys scripta elegans Truchemys scripta elegans Truchemys scripta elegans Truchemys grandis Terrapene coshuila (EN) Melanochelys trijuga trijuga Graptomys kolnti Pycis arachnosides (VU) Homopus areolatus Testudo praeca (VU) Testudo hermanni Testudo hermanni Testudo hermanni (EN) Testudo kleismanni (EN) Testudo hermanni Testudo marginata Malacochersus tornieri (VU) Geochelone pardolis Chelus fimbrionus	Red-throated Parrot Finch Black-rumped Waobill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Blirds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Spur-thighed Tortoise Hermann's Tortoise Central Asian Tortoise Marginated Tortoise Marginated Tortoise Pancake Tortoise Pancake Tortoise Pancake Tortoise Matamata	1 5 10 1 2 3 3 18 8 8 698 698	62(3)	1 162	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1	Chamaeleo calsperatus Chalcides oceilianus Carucia zebrota Eumeces schneideri Tiliqua ragosa Tiliqua scincoides scincoides Mobuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus timorensis Varamus albigularis Varamus albigularis Varamus niloticus Heloderma maspectum suspectum (VU) Heloderma horrichum exusperatum (VU) Ophinaurus apodus Cordylus giganteus (VU) Cordylus polyzomus Serpentes Liasis abertisii Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python molurus britanus Python negius Epicrates subflavus (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx comicus Eryx johnii Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropelitis getulus floridana	Yenen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Schneider's Skink Bejer's Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bose's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Bomeo Blood Python Burnese Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durneni's Boa Rough-scaled Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	11.2	3		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 1/0 0/1 1/0 0/0/4 2/3 2/0 1/0 2/2 0/0/3 0/3 2/1/6 3/0 0/2 2/2 0/0/2 0/2 1/1/9 0/2 2/0 2/1/5 1/1/3 - 1/1/3 - 1/1/3
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea flavicans (VU) Lamprotornis iris Leucopsar rothockidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Stemoderus adoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptenys kohnii Pyxis arachnosdes (VU) Homopus areolatus Testudo kermanni Testudo horsileidi (VU) Testudo horsileidi (VU) Testudo kermanni Testudo marginatu Melacochersus tornieri (VU) Geochelone pariolis	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Marginated Tortoise Pancake Tortoise Leopard Tortoise Leopard Tortoise	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2	Chamaeleo calspiratus Chalcides ocellutus Carucia zebrota Eumeces schneideri Tiliqua ragosa Tiliqua scincoides scincoides Mobuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus prasimus Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum exusperatum (VU) Ophisaurus apodus Cordylus giganieus (VU) Cordylus polyzonus Serpentes Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python regius Epicnates subfarna (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnu Hydrodynastes gigas Heterodon nasieriaca (RT) Lampropeliis getulus californiae	Yennen Chameleon Eyed Skirak Prehensile-tailed Skirak Schneider's Skirak Schneider's Skirak Schneider's Skirak Bejer's Skirak Greater Blue-tongued Skirak Bejer's Skirak Greater Plated Lizzed Ocellated Lizzed (Berlenga Isl.) Jewelled Lizzed Genen Tree Monitor Timor Monitor Bosc's Monitor Reticulated Gila Moniter Rio Grijalva Beaded Lizzed Scheltopusik (Glass Lizzed) Sungazer Karoo Girdled Lizzed D'Albert's Python Savu Python Diamond Python Blood Python Bomeo Blood Python Burnese Python Royal Python Jamaican Bos Madagascan Tree Bos Boa Constrictor Argentine Boa Dumeni's Boa Rough-scaled Sand Boa Smooth Sand Bos Boipevassu Snake Western Hog Nose Snake Smooth Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	2 1 . 2	3 7 7 7 7 13 7		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 0/01 2/0/2 2/2 1/1 5/0 0/1 1/0 0/01 1/0 0/04 2/3 2/0 0/1 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicians (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Sernocherus odoratus Truchemys scripta elegans Truchemys scripta elegans Truchemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptomys kohnii Pyais arachnoides (VU) Homopus areolatus Testudo hornfieldi (VU) Testudo hornfieldi (VU) Testudo hornfieldi (VU) Testudo kleinmanni (EN) Testudo margonatu Malacochersus tornieri (VU) Geochelone partidis Chelus fimbrianis Chelodina longicollis	Red-throated Parrot Fisch Black-rumped Waobill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Silder Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Hermann's Tortoise Hermann's Tortoise Egyptian Tortoise Marginated Tortoise Pancake Tortoise Marginated Tortoise Matamata Long-necked Terrapin	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2	Chamaeleo calsperatus Chalcides occilianus Carucia zebrota Eumeces schneideri Tiliqua scincoides scincoides Mabusp perrotetti Gengolomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prazinus Varanus prazinus Varanus albigularis Varanus albigularis Varanus albigularis Varanus miloticus Heloderma suspectum suspectum (VU) Heloderma suspectum exasperatum (VU) Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis albertisii Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python regius Ephentes subfarna (VU) Sanzinia madogascariensis (VU) Sanzinia madogascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnu Hydrodynastes gigus Heterodon nasicus Coronella austrioca (RT) Lampropeltis getulus californiae Lampropeltis getulus californiae Lampropeltis strangulum sinaloae Boiga irregularis Brown	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burmese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durneri's Boa Rough-scaled Sand Boa Smooth Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldornian King Snake Cat Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	1 1 2 2	3 7 13 7 13 13 13		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 1/0 0/1 1/0 0/0/4 2/3 2/0 1/3 1/0 2/2 0/0/3 0/3 2/1/6 3/0 2/2/2 0/0/2 1/1/9 0/2 2/0 2/1/5 1/1/3 - 0/0/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothochidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Sternotherus odoratus Truchemys scripta elegans Truchemys scripta elegans Truchemys grunds Terrapene coshuila (EN) Melanochelys trijuga trijuga Graptemys kohnii Pyxis aruchnosides (VU) Homopus areolatus Testudo hermanni Testudo hermanni Testudo hermanni Testudo hermanni (EN) Testudo kleiamanni (EN) Testudo kleiamanni (EN) Testudo kleiamanni (EN) Testudo horsfieldi (VU) Geochelone pardolis Chelus fimbriotus Chelodina longicollis Emydura austratis albertuii Pelodiscus sinensis Crocodylia	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Marginated Tortoise Leopard Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra Chinese Soft-shelled Terrapin	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/6/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/6/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 0/0/1	Chamaeleo calyptratus Chalcides ocellatus Carucia zebrata Eumeces schneideri Tiliqua ragasa Tiliqua scincoides scincoides Mabuya perrotetti Genglomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum esusperatum (VU) Cordylus giganieus (VU) Cordylus polyzonus Serpentes Liasis albertisti Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python regius Epicnates subflarus (VU) Sanzinia maskagascarienuis (VU) Sanzinia maskagascarienuis (VU) Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnii Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropelius getalus floridana Lampropelius getalus californiae Lampropelius triangulum sinaloae	Yennen Chameleon Eyed Skirak Prehensile-tailed Skirak Schneider's Skirak Schneider's Skirak Schneider's Skirak Red-sided Skirak Bejer's Skirak Greater Plated Lizzed Ocellated Lizzed (Berlenga Isl.) Jewelled Lizzed Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizzed Scheltopusik (Glass Lizzed) Sungazer Karoo Girdled Lizzed D'Albert's Python Savu Python Diamond Python Blood Python Bornese Python Bornese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Dumeni's Boa Rough-scaled Sand Boa Smooth Sand Boa Smooth Sand Boa Bospevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Californian King Snake Sinaloan Milk Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	1 1 . 2	3		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 0/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea flavicans (VU) Lamprotornis iris Leucopsar rothockidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic REPTILES Testudines Stemoderus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys scripta elegans Trachemys grundis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptemys kohnii Pyxis arachnosdes (VU) Homopus areolatus Testudo kermanni Testudo hornieldi (VU) Testudo kleinmanni (EN) Testudo kleinmanni (EN) Testudo kermanni Testudo marginatu Melacochersus tornieri (VU) Geochelone pardolis Chelus fimbriatus Chelodina longicollis Emydura austratis albertisii Pelodiscus sinensis	Red-throated Parrot Fisch Black-rumped Waobill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rotschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Silder Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Hermann's Tortoise Hermann's Tortoise Egyptian Tortoise Marginated Tortoise Pancake Tortoise Marginated Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2	Chamaeleo calsperatus Chalcides oceilianus Carucia zebrota Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mobuya perrotetti Gengylomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus timorensis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma norridum exusperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzomus Serpentes Liasis albertisti Liasis mackloti samuensis Morelia spolotes spilotes Python curtus brongerimai Python curtus brongerimai Python molarus beitiatus Python molarus brongerimai Python molarus brongerimais (VU) Boa constrictor occidentalis Acrantophis dumerili Eryx comicus Eryx johnii Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropelitis getalus floridana Lampropelitis getalus californiae Lampropelitis petalus californiae Lampropelitis petalus Python curtus	Yennen Chameleon Eyed Skirak Prehensile-tailed Skirak Schneider's Skirak Schneider's Skirak Schneider's Skirak Bejer's Skirak Greater Plated Lizzed Ocellated Lizzed (Berlenga Isl.) Jewelled Lizzed Genen Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizzed Scheltopunik (Glass Lizzed Scheltopunik (Glass Lizzed) Sungazer Karoo Girdled Lizzed D'Albert's Python Savu Python Diamond Python Blood Python Bomeo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Dumeni's Boa Rough-scaled Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldomian King Snake Caldomian King Snake Caldomian Good Snake Snalom Milk Snake Caldomian Caldomia	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	2 1 . 2	3		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 0/1
	Estrilda tragiodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothochidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Sternocherus adoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys scripta elegans Trachemys scripta viguga Graptemys kohnii Pyxis arachnosdes (VU) Honospus areolatus Testudo praeca (VU) Testudo hermanni Testudo horsfieldi (VU) Testudo hermanni Testudo horsfieldi (VU) Testudo kleinmanni (EN) Testudo marginatu Mislacochersus tomieri (VU) Geocheione parkolis Chelus fimbriatus Chelodina longicollis Emydura australis albertuii Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria	Red-throated Parrot Fisch Black-rumped Waobill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Sider Guart Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Hermann's Tortoise Egyptian Tortoise Egyptian Tortoise Marginated Tortoise Pancake Tortoise Pancake Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra Chinese Soft-shelled Terrapin	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2 0/0/1 2/3	Chamaeleo calsperatus Chalcides oceilianus Corucia zebrota Eumeces schneideri Tiliqua scincoides scincoides Mobuya perrotetti Gengylomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus imorensis Varamus inloicus Heloderma suspectum suspectum (VU) Heloderma suspectum suspectum (VU) Ophinaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzomus Serpentes Liasis macklosi sanuensis Morelia spilotes spilotes Python curtus brongersmai Python regius Epicrates subfarus (VU) Sanzinia mackgascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnu Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropelits getulus alafonidana Lampropelits triangulum sinaloae Boiga irregularis Brown Dispholidus typus Pseudechts colletti	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Greater Blue-tongued Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Groen Tree Monitor Timor Monitor Bosc's Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdied Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Dumeril's Boa Rough-scaled Sand Boa Smooth Sand Boa Bospevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Californian King Snake Sinalom Milk Snake Californian King Snake Collett's Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	2 1 . 2	3		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 2/0/2 2/2 1/1 5/0 0/1 1/0 0/1 1/0 0/04 2/3 2/0 0/1 1/0 0/04 2/3 2/0 0/1 1/0 0/02 0/0 1/1/9 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2
	Estrida troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothochidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic REPTILES Testudines Stemotherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys grundis Terropene coahulla (EN) Melanochelys trijuga trijuga Graptemys kohnis Pyxis arachnosdes (VU) Homopus areolatus Testudo praeca (VU) Testudo hermanni Testudo horsfieldi (VU) Testudo hermanni Testudo horsfieldi (VU) Testudo horsfieldi (VU) Geochelone parkolis Chelus fimbriotus Chelodina dingicollis Emydura australis albertisti Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tarestola mindiae	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Marginated Tortoise Leopard Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra Chinese Soft-shelled Terrapin	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/6/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1	Chamaeleo calsperatus Chalcides occilianus Carucia zebrota Eumeces schneideri Tiliqua scincoides scincoides Mabuya perrotetti Gengylomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus praximus Varanus praximus Varanus albigularis Varanus albigularis Varanus albigularis Varanus albigularis Varanus majoectum suspectum (VU) Heloderma suspectum exasperatum (VU) Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis albertisii Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python regius Epicrates subfarus (VU) Sanzinia madogascariensis (VU) Sanzinia madogascariensis (VU) Boa constrictor Boa constrictor Boa constrictor Boa constrictor Coronella austrioca (RT) Lampropelitis getalus floridana Lampropelitis getalus coliforniae Lampropelitis getalus coliforniae Lampropelitis getalus coliforniae Lampropelitis triangulum sinaloae Boiga irregularis Brown Dispholidus typus Pseudechts colletti Oxyurums caradidus Naja siamensis	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Bejer's Skirik Greater Plate Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer Karoo Girdied Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burmese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durneri's Boa Rough-scaled Sand Boa Smooth Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldornian King Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	11.2	3		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 1/0 0/1 1/0 0/0/4 2/3 2/0 1/3 1/0 2/2 0/0/3 0/3 2/1/6 3/0 0/3 2/1/6 3/0 0/2 1/1/9 0/2 2/0 2/1/5 1/1/3 - 0/0/1 0/1 - 2/2 0/2 2/0 2/1/8
	Estrida troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothochidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Sternotherus odoratus Truchemys scripta elegans Truchemys scripta elegans Truchemys scripta elegans Truchemys grundis Terrapene conhuita (EN) Melanochelys trijuga trijuga Graptemys ikoniti Pycis arachnoides (VU) Homopus areolatus Testudo hermanni Testudo hermanni Testudo hermanni Testudo hermanni (EN) Testudo kleinmanni (EN) Testudo kleinmanni (EN) Testudo kleinmanni (EN) Testudo horsfieldi (VU) Geochelone pardolis Chelus fimbrionis Chelodina longicollis Emydura austratis albertuii Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tarentola mindice Nactus serpensinula serpensinula (VU)	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Leopard Tortoise Marginated Tortoise Marginated Tortoise Leopard Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra Chinese Alligator Egyptian Gocko Serpent Island Gocko	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/3 2/2/4 1/0/1	Chamaeleo calspiratus Chalcides oceilianis Carucia zebrota Eumeces schneideri Tiliqua ragosa Tiliqua scincoides scincoides Mabuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prastinus Varamus prastinus Varamus albigularis Varamus niloticus Heloderma naspectum suspectum (VU) Heloderma horridum exusperanum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python molurus bivitiatus Python regius Epicrates subflarva (VU) Sanzinia madogascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnu Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropelits getulus californiae Lampropelits getulus californiae Lampropelits getulus californiae Lampropelits getulus californiae Lampropelits priamgulum sinaloae Boiga irregularis Brown Dispidiches typus Pseudelchis califoti Oxyuranus scatellatus Acanthophis antarcticus Bungarus candidus	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Greater Plate-tongued Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Groen Tree Monitor Timor Monitor Bosc's Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Bomeo Blood Python Bomeo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Dumeril's Boa Rough-scaled Sand Boa Smooth Sand Boa Bopevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Californian King Snake Sinaloan Milk Snake Californian King Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	2 1 . 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 2/2 0/0/3 2/1/6 3/0 2/2/2 0/0/2 1/1/9 0/2
	Estrilda tragiodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothockidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Stemoderus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys scripta elegans Trachemys grundis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptenys kohnii Pyxis arachnosdes (VU) Homopus areolatus Testudo kermanni Testudo hornieldi (VU) Testudo kleinmanni (EN) Testudo hornieldi (VU) Testudo kleinmanni Testudo marginatu Melacochersus tornieri (VU) Geochelone pardolis Chelus fimbriatus Chelodina longicollis Emydura austratis albertisti Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tarentola mindiae Nactus serpensinusla	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Leopard Tortoise Leopard Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra Chinese Alligator Egyptian Gocko	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4			7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/3 2/2/4 1/0/1 0/2/2 1/0 1/0 1/0 1/0 2/2/2 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0	Chamaeleo calsperatus Chalcides oceilianus Corucias zebrota Eumeces schneideri Tiliqua scincoides scincoides Mobuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus imorensiis Varamus inloicius Heloderma suspectum suspectum (VU) Heloderma suspectum exusperotum (VU) Ophinaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzomus Serpentes Liasis macklosi sanuensiis Morelia spilotes spilotes Python curtus brongersmai Python regius Epicrates subfarusi (VU) Sanzinia mackgascariensis (VU) Boa constrictor Boa const	Yenen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Schneider's Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Genen Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Bowe Python Bomeo Blood Python Bomeo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Dumeni's Boa Rough-scaled Sand Boa Smooth Sand Boa Smooth Sand Boa Boipevasou Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldornian King Snake Smooth Snake Caldornian King Snake Caldornian King Snake Sinaloan Milk Snake Caldornian King Snake Snooth Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	2 1 . 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/2 0/2 1/1/9 0/2 2/0 0/2 1/1/9 0/2 2/0 0/2 1/1/9 0/2 2/0 0/2 1/1/9 0/2 2/0 0/2 1/1/9 0/2 2/0 0/2 1/1/9 0/2 2/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/2 1/1/9 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2
	Estrilda traglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicians (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Sternotherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptemyn kohnii Pystis arachnoides (VU) Homopus areolatus Testudo horsfieldi (VU) Testudo hermanni Testudo horsfieldi (VU) Testudo kleinmanni (EN) Testudo marginatu Malacochernus tornieri (VU) Geochelone parlolis Chelus fimbrianus Chelodina longicollis Emydura australis albertini Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tareodora pictus Gekko gecko	Red-throated Parrot Fisch Black-rumped Waobill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Guart Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Parcake Tortoise Leopard Tortoise Leopard Tortoise Leopard Tortoise Leopard Tortoise Leopard Tortoise Chinese Soft-shelled Terrapin Chinese Soft-shelled Terrapin Chinese Alligator Egyptian Gocko Serpent Island Gocko Elegant Gecko Malagasy Night Gecko Tokay Gecko	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4			7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/2 1/2 0/2 1/	Chamaeleo calyptratus Chalcides oceilianis Carucia zebrota Eumeces schneideri Tiliqua ragosa Tiliqua scincoides scincoides Mabuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prastinus Varamus prastinus Varamus niloticus Heloderma naspectum suspectum (VU) Heloderma horridum exusperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python molurus bivittatus Python regius Epicrates subflavna (VU) Sanzinia madogascarienuts (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnu Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropelits getulus californiae	Yemen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Bejer's Skink Bejer's Skink Greater Blue-tongued Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard Green Tree Monitor Timor Monitor Bose's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burnese Python Burnese Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durneni's Boa Rough-scaled Sand Boa Smooth Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldornian King Snake Sinaloan Milk Snake Cat Snake Taipan Death Adder Malayan Krait Siamese Cobra Snouted Cobra Mozambique Spitting Cobra Red Spitting Cobra	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	11.2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 2/0/2 2/2 1/1 5/0 0/1 1/0 0/1 1/0 0/04 2/3 2/0 0/1 1/0 0/03 2/1/6 3/0 2/2/2 0/02 0/2 1/1/9 0/2 2/0 2/1/5 - 1/1/3 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 0/0/4 2/0
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Senocherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptemya kohnii Pyasi arachnoides (VU) Homopus areolatus Testudo horsfieldi (VU) Testudo horsfieldi (VU) Testudo horsfieldi (VU) Testudo kleinmanni Testudo margoustu Malacocherus tornieri (VU) Geochelone parkalis Chelodina longicollos Emydura australis albertisii Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tareodora pictus Paroedora pictus Paroedora pictus Paroedora pictus Paroedora pictus	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Grant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Penrot-beaked Cape Tortoise Penrot-beaked Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Pancake Tortoise Leopard Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terrapin Chinese Soft-shelled Terrapin Chinese Soft-shelled Terrapin Chinese Alligator Egyptian Gecko Malagasy Night Gecko Tokay Gecko Wahlberg's Velvet Gecko Ornate Day Gecko Ornate Day Gecko	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4			7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 0/2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2 0/0/1 2/3 2/2/4 1/0/1 0/0/1 1/0 0/0/1 1/0 0/0/1 1/0 0/0/1 1/0 0/0/1	Chamaeleo calsperatus Chalcides occilianus Carucia zebrota Eumeces schneideri Tiliqua scincoides scincoides Mabuya perrotetti Gengolomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prazinus Varanus prazinus Varanus albigularis Varanus albigularis Varanus miloticus Heloderma suspectum suspectum (VU) Heloderma suspectum exasperatum (VU) Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis albertisii Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brietansteini Python regius Epicnates subfarna (VU) Sanzinia madogascariensis (VU) Sanzinia madogascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnu Hydrodynastes gigus Heterodon nasicus Coronella austrioca (RT) Lampropelitis getulus californiae Lampropelitis getulus californiae Lampropelitis getulus californiae Lampropelitis rizangulum sinaloae Boiga irregularis Brown Dispholidus typus Pseudechts colletti Oxyurams caraktdus Naja siamensis Naja annusifera Naja musumbica Naja palika Naja oxiana	Yemen Chameleon Eyed Skink Prehensile-tailed Skink Schneiden's Skink Schneiden's Skink Schneiden's Skink Bejer's Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopanik (Glass Lizard) Sungazer Karoo Girdied Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burmese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durneril's Boa Rough-scaled Sand Boa Smooth Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldornian King Snake Sinalom Milk Snake Caldornian King Snake Caldornian King Snake Sinalom Milk Snake Caldornian King Snake Sinalom Milk Snake Caldornian King Snake Caldornian King Snake Sinalom Milk Snake Caldornian King Snake Caldornian King Snake Sinalom Milk Snake Caldornian King Snake Caldornian King Snake Caldornian King Snake Sinalom Milk Snake Caldornian King Snake Caldornian King Snake Caldornian King Snake Caldornian King Snake Sinalom Milk Snake Caldornian King Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	11.2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 0/1
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	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Senocherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptomyn kohnii Pysis arachnoides (VU) Homopus areolatus Testudo hornfieldi (VU) Testudo hornfieldi (VU) Testudo kleinmanni Testudo margonatu Malacocherus tornieri (VU) Geochelone parkalis Chelodina longicollos Emydura australis albertisii Pelodiscus sinensis Chelodina longicollos Emydura australis albertisii Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tarentola mindae Nacus serpensinula (VU) Stenodoctylus sthenodoctylus Paroedura pictus Gekto gecko Homophotis wahlbergi Phelsuma graindocasi rosagularis Phelsuma graindocasi rosagularis Phelsuma graindocasi rosagularis Phelsuma atandingi (VU) Eublepharis macularius	Red-throated Parrot Finch Black-rumped Warshill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Silder Grant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Pernot-beaked Cape Tortoise Hermann's Tortoise Hermann's Tortoise Hermann's Tortoise Leopard Tortoise Marginated Tortoise Egyptian Tortoise Marginated Tortoise Marginated Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra Chinese Soft-shelled Terrapin Chinese Alligator Egyptian Gecko Serpent Island Gecko Blegart Gecko Malagasy Night Gecko Tokay Gecko Macabe Day Gecko Leopard Ground Gecko Leopard Ground Gecko Leopard Ground Gecko Leopard Ground Gecko	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4			7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/1 0/1 0/1 2/2/2 1/2 0/0/1 2/3 2/2/4 1/0/1 0/2/2 1/0 0/0/1 2/3 2/2/4 1/0/1 0/2/2 1/0 0/0/1 1/0 0/0 0	Chamaeleo calsperatus Chalcides oceilianus Carucia zebrota Eumecus schneideri Tiliqua scincoides scincoides Mobuya perrotetti Gengylomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus timorensis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma suspectum exusperatum (VU) Ophinaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzomus Serpentes Liasis albertisti Liasis mackloti sanuensis Morelia spolotes spilotes Python curtus brongerimai Python molaria bivitiatus Python regius Epicrates subfarus (VU) Sanzinia makagascariensis (VU) Sanzinia makagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnii Hydrodynastes gigas Heterodon nasticus Coronella austriaca (RT) Lampropelitis getalus californiae Lampropelitis getalus floridana Lampropelitis triamguiun sinalooe Boiga irregularis Brown Dispholidas typus Pseudechis colletti Oxyuramus scutellatus Acanthophia antarcticus Bungarus candidus Naja sinamusifera Naja annusifera Naja mussambica Naja annusimia Hemachatus haemachatus Dendrouspis polylepis Dendrouspis polylepis	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Greater Blue-tongued Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard Genen Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Dumenl's Boa Rough-scaled Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Sande Californian King Snake Sinalom Milk Snake Californian King Snake Californian King Snake Sinalom Milk Snake Taipan Death Adder Malayan Krait Siamese Cobra Snouted Cobra Mozoellate Cobra Rod Spitting Cobra	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	1 1 . 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/1 0/0/1 2/0/2 2/2 1/1 5/0 0/1 1/0 0/0/1 1/0 0/0/1 1/0 0/0/1 1/0 1/0
	Estrilda tragiodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothochidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Sernotherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptemyn kohnii Pystis arachnoides (VU) Homopus areolatus Testudo horsfieldi (VU) Testudo horsfieldi (VU) Testudo horsfieldi (VU) Testudo kleinmanni (EN) Testudo marginatu Malacocherus ternieri (VU) Geochelore parlalis Chelus fimbriatus Chelodina longicollis Emydura australis albertisii Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tareodora pictus Gekto gecko Homopholis wahlbergi Pheliuma standingi (VU) Eublepharis macularius Cyclura cornuta cornuta (VU) Eublepharis macularius Cyclura cornuta cornuta (VU)	Red-throated Parrot Fisch Black-rumped Warshil Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Guart Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Pancake Tortoise Leopard Tortoise Leopard Tortoise Leopard Tortoise Leopard Tortoise Leopard Tortoise Chinese Soft-shelled Terrapin Chinese Soft-shelled Terrapin Chinese Alligator Egyptian Gecko Malagasy Night Gecko Tokay Gecko Wahlberg's Velvet Gecko Orate Day Gecko Standing's Day Gecko Standing's Day Gecko Leopard Ground Gecko Rhinoceros Iguaria	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4			7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 0/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2 0/0/1 2/3 2/2/4 1/0/1 0/2/2 1/0 0/0/1 2/2 1/0 0/0/1 2/2 1/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	Chamaeleo calyptratus Chalcides oceilianis Carucia zebrota Eumeces schneideri Tiliqua scincoides scincoides Mobigia perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus prasimus Varamus albigularis Varamus niloticus Heloderma naspectum suspectum (VU) Heloderma norridum exisperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzomus Serpentes Liasis mackloti samiensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python curtus brongersmai Python molurus bivitiatus Python negius Epicrates subfarna (VU) Sanzinia makagascariensis (VU) Sanzinia makagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dimerili Eryx conicus Eryx johnu Hydrodymastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropeltis getulus floridana Lampropeltis getulus floridana Lampropeltis triangulum sinalone Boiga irregularis Brown Dispholidus typus Pseudechts colletti Coyuramus scutellatus Acanthophis antarcticus Bungarus candidus Naja samensis Naja anusumbica Naja palluda	Yemen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Red-sided Skink Bejer's Skink Greater Plate-tongued Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard Green Tree Monitor Timor Monitor Bose's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durneni's Boa Rough-scaled Sand Boa Smooth Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldornian King Snake Sinaloan Milk Snake Caldornian King Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	2 1 . 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 2/2 0/0/2 1/1/9 0/2
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Senocherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptomyn kohnii Pysis arachnoides (VU) Homopus areolatus Testudo hornfieldi (VU) Testudo hornfieldi (VU) Testudo kleinmanni Testudo margonatu Malacocherus tornieri (VU) Geochelone parkalis Chelodina longicollos Emydura australis albertisii Pelodiscus sinensis Chelodina longicollos Emydura australis albertisii Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tarentola mindae Nacus serpensinula (VU) Stenodoctylus sthenodoctylus Paroedura pictus Gekto gecko Homophotis wahlbergi Phelsuma graindocasi rosagularis Phelsuma graindocasi rosagularis Phelsuma graindocasi rosagularis Phelsuma atandingi (VU) Eublepharis macularius	Red-throated Parrot Finch Black-rumped Warshill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Silder Grant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Pernot-beaked Cape Tortoise Hermann's Tortoise Hermann's Tortoise Hermann's Tortoise Leopard Tortoise Marginated Tortoise Egyptian Tortoise Marginated Tortoise Marginated Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra Chinese Soft-shelled Terrapin Chinese Alligator Egyptian Gecko Serpent Island Gecko Blegart Gecko Malagasy Night Gecko Tokay Gecko Macabe Day Gecko Leopard Ground Gecko Leopard Ground Gecko Leopard Ground Gecko Leopard Ground Gecko	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4			7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2 0/0/1 2/3 2/2/4 1/0/1 0/0/1 2/3 2/2/4 1/0/1 0/0/1 1/0 0/0 0	Chamaeleo calsperatus Chalcides oceilianus Carucia zebrota Eumeces schneideri Tiliqua ragosa Tiliqua scincoides scincoides Mobuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus timorensis Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma socutum exusperatum (VU) Ophinaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzomus Sexpentes Liasis mockloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python molarus britiatus Python molarus Python molarus Eryx johnii Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropelits getulus floridana Lampropelits striamgulum sinalooe Boiga irregularis Brown Disploidus typus Pseudechts colletti Oxyuramus scutellatus Acanthophis antarcticus Bungarus candidus Naja sammulifera Naja mousumbica Naja antarcticus Bungarus candidus Naja sup Naja kasuuhia Naja oxiama Hemachatus hoemochatus Dendrosspis negysticeps Dendrosspis negysticeps Dendrosspis negysticeps Vipera lebetina obtusa	Yenen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Schneider's Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Grent Pree Monitor Timor Monitor Bose's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Bomeo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durnenl's Boa Rough-scaled Sand Boa Smooth Sand Boa Senooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldomian King Snake Smooth Snake Caldomian King Snake Caldomian King Snake Smooth Snake Florida King Snake Caldomian King Snake Smooth Snake Taipan Death Adder Malayan Krait Sianese Cobra Snouted Cobra Monocellate Cobra Rod Spitting Cobra Red Spitting Red Spitting Red Spitting Red Spitting	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	2 1 . 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 0/01 2/0/2 2/2 1/1 5/0 0/1 1/0 0/01 1/0 0/04 2/3 2/0 0/1 1/0 1/0 0/02 2/1/5 - 1/1/3

			1	2	3	4	5	6	7			1	2	3	4	5		7
	Falconiformes									Ara rubrogoma (EN)	Red-fronted Macaw					-		- Contract
	Cathories aura Milous migrans	Turkey Vulture	6					1(1)	3/2	Pyrrhura cruentata (VU)	Blue-throated Conure	6				1	1	2/1 2/3
	Milrus migrans migrans	Black Kite Black Kite	1				i		1/1	Mysepsitta monachus Deroptysu accipitrinus	Monk Parakeet Hawk-beaded Parrot	4	*					0/0/4
	Terothopius ecaudatus Polyboroides typus	Bateleur Eagle	2			-		2	+	Cuculiformes					8	- 90		1/1
	Parabuteo unicinctus	African Harrier Hawk Harris's Hawk	2	-				1	1/3/1	Musophaga violacea	Violet Plantain-eater	2			1	1		1/0
	Galliformes									Tauraco erythrolophus Tauraco leucotis	Red-crested Tursoo	3	2			-		3/2
	Rollulus roulroul	Crested Wood Partridge	9		15	7	1	-	11/5	Touraco corythaix fischeri	White-cheeked Turaco Fischer's Turaco	1	2		-	-		1/1
	Gallus gallus Lophura diardi (VU)	Red Junglefowl Siamese Crested Fireback	2	*			1		1/0 2/2	Strigiformes			000					
	Lophura edwardsi (CR)	Edward's Pheasant	4	+					2/2	Tyto alba	Barn Owl	2					1	0/0/1
	Pavo cristatus Pavo muticus (VU)	Common Peafowl Green Peafowl	5		4	4	1	5	1/0	Phodilus badus Otus leucotis	Oriental Bay Owl White-faced Scops Owl	11	-			-		1/1
	Afropano congensis (VU)	Congo Peafowl	2						2/0	Bubo huho huho	Eurasian Eagle Owl	1		•	2	-	2	6/4
	Polyplectron emphanum (EN)	Palawan Peacock Pheasant	3					*	2/1	Pulsatrix perspicillata Speotyto cunicularia	Spectacled Owl Burrowing Owl	4	*	1		+	1	2/2
	Gruiformes Cariama cristata	0.41								Strix hylophila	Rusty-barred Owl	7		1		-		2/4/2
	Grus japonensis (VU)	Red-legged Seriema Red-crowned (Manchurian)	-	1		*	1	*		Strix nebulosa lapponica Strix rufipes chacoensis	Great Grey Owl Rufous-legged Owl	2	*			1		1/0
	Grus paradisea (VU)	Crane Standar Course	2		-				1/1	Caprimulgiformes	Time to again to the							1/1
	Gallinula nesiotis comeri (VU)	Stanley Crane Gough Island Moorhen	4		1			2	1/1	Podargus strigoides	Tawny Frogmouth	3			1	1	12.0	2/1
	Raillies striatus	Slaty-breasted Rail	1						1/0	Apodiformes								770
	Charadriiformes									Amazillia sp.	Hummingbird		1			1	-	0/1
	Burhinus oedicnemus Recurvirostra avasetta	Stone Curlew Pied Avocet	4				2	3(3)	20	Coraciiformes								
	Vanellus miles miles	Masked Lapwing	4		7	3	1	2	4/1	Dacelo novarguineae	Kookaburra	1	-					0/0/1
	Larus cirrocephalus poiocephalus Larusterna inca	Grey-headed Gull Inca Term	10		:		3	1	0/0/7	Coracias caudata Anthracoceros malayanus	Lilac-breasted Roller Black Hombill	4	2	4		1	1	1/1/4
	Columbiformes	STERRE	- 74		15					Anthracoceros albirostris				8	-	1		
	Columba guinea	Speckled Pigeon	1				1			Bycanistes subcylindricus	Southern Pied Hombill Black-&-white Casqued Hombill	1		0	0	1	*	0/1
	Gallicolumba criniger (VU) Ducula aenea aenea	Mindanao Bleeding Heart Dove	4		1		1		2/1	Buceros bicomis Buceros rhinoceros	Great Indian Hombill	3			-		1	1/1
	Ducula aenea paulina	Green Imperial Pigeon Chestnut-naped Imperial Pigeon	3		4	î	*	1	1/1/1		Rhinoceros Hombill	1	*	*	53			0/1
	Ducula rufigaster Ducula concirna	Purple-tailed Imperial Pigeon Blue-tailed Imperial Pigeon	4		3	2	1	+	2/2	Piciformes Ramphastos tucanus	Red-billed Toucan							
	Ducula perspicillata	Spectacled Imperial Pigeon	i		į.		1		1/0	Pteroglossus aracari	Black-necked Aracani	5		3	3		i	3/1
	Ducula pinon Ducula ponae Zoese	Pinon Imperial Pigeon Imperial Pigeon	2		*				1/1	Passeriformes								
	Palinopus cincus albocincus	Black-backed Fruit Dove	4			-	1		3/0	Pitta sordida	Hooded Pitta	1			*	*	-	0/1
	Ptilinopus magnificus Ptilinopus melanospila	Magnificent Fruit Dove Black-raped Fruit Dove	2	-					20	Copsychus malabaricus Copsychus saularis	Common Shama Asian Magpie Robin	4		13	3	3	6	4/1
	Ptilinopus superbus	Superb Fruit Dove	4	1	2		-		2/1 2/2	Coxypha albicapilla	White-crowned Robin			-	2			
	Zenaida graysani (EW)	Socomo Dove	1						1/0	Cossypha niveicapilla	Chat Snowy-headed Robin Chat	3		8	7	1	2	2/1/1
	Psittaciformes									Ocnanthe oenanthe	Northern Wheatear	2			-			1/1
	Trichoglossus johnstoniae (VU) Charmosma josefinae	Mt Apo Lonkeet Josephine's Lonkeet	î	4					2/2	Rhyacomis fuliginosus Turdus dissimilis	Plumbeous Redstart Black-breasted Thrush		4					2/2
	Charmosyna pulchella pulchella	Fairy Lonkeet	1				1			Garrulax galbama Garrulax chinensis	Yellow-throated Laughing Thrush	2	1				1	1/1
	Charmonyna pulchella rothschildi Eos cyanogenia (VU)	Fairy Lonkeet Black-winged Lory	5				1	+	2/1 3/1	Liocichla amesaniii (VU) S	Black-throated Laughing Thrush Omei Shan Babbler	3	2	-	-	2		1/1
	Vini australia	Blue-crowned Lory	1	3			1	+	2/1	Nectarinia pulchella Paroaria caronata	Beautiful Sunbird Red-crested Cardinal		2					1/1
	Eolophus roseicapillus Calyptorhynchus banksii	Galah Red-tailed Black Cockatoo	5	1				2	1/0	Paroaria dominicana	Control of the Contro	2		9	1	6	4	5/5
	Cacatua moluccensis (VU) Agapomis taranta	Salmon-crested Cockatoo	7		2	2		3	2/2	Passerina brissonii Tangara cayana	Ultramarine Grosbeak Burnished Buff Tanager	- 1	10			4		3/3
	The state of the s	Black-winged Lovebird Black-cheeked Lovebird	22		16		1		0/0/37	Tangara arthus	Golden Tanager	î .				1		0/1
	Amazona brasiliensis (EN) Anadorhynchus hysoconthosus (VU)	Red-tailed Amazon Hyacinth Macaw	11	1			-		1/1 3/8	Tangara fastuosa (EN) Tangara icterocephala	Superb (Seven-coloured) Tanager Silver-throated Tanager	4			-	1		0/2/1
	Ara ambigua Ara chloroptera	Buffon's Macaw Green-winged Macaw	2			-	-		0/2	Carduelis cucullata (EN)	Red Siskin		4	+	+	-	-	2/2
	And Committee of the Co								9.44							-	-	100,0
				_	141	-	_	•	1/1	Chlochia gouldine (EN)	Gouldian Finch 12		+ 1					
=			,	1	3	-		6	7	Chicener grander (EN)			2	3		•	4	7
ī	Erythrura puttacea	Red-throated Parrot Finch	1 6	2	3	•	•	6	7 2/4	Chamaeleo calyptrotus	Yemen Chameleon	1 3	2 1		•	* 2	:	2/0 1/0
Ī	Estrilda troglodytes	-	1 6 4 1	:	,	•	•	6	7 2/4 0/0/4 1/0	Chamaeleo calyptrotus Chalcides ocellatus Corucia zebrata	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik	1 6	1	,		5 2		2/0 1/0 2/1/4
	Estrilda traglodytes Vidua sp. Vidua macroura	Red-throated Parrot Finch Black-numped Washill Combassou Pin-tailed Whydah	1 6 4 1 2		,	* 1	5		7 2/4 0/0/4 1/0 2/0	Chamaeleo calsperatus Chalcides ocellatus Corucia zebrata Eumeces schneideri	Yemen Chameleon Eyed Skink	1 3 1 6 1 8	1			5 2 1		2/0 1/0 2/1/4 1/0 3/4
	Estrilda tragiodytes Vidua sp. Vidua macroura Quelea quelea	Red-throated Parrot Fisch Black-rumped Waxbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea)	1 6 4 1 2 14 1		,		5	4	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1	Chamaeleo caliptrotus Chalcides ocellatus Corucia zebrata Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides	Yemen Chameleon Eyed Skink Prehemile-tailed Skink Schneider's Skink Shingleback Eastern Blue-tongued Skink	1 3 1 6 1 8 3	1			5 2 1 1		2/0 1/0 2/1/4 1/0
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris	Red-throated Parrot Finch Black-numped Washill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling	1 5	3	,	•	5	4	7 2/4 0/6/4 1/0 2/0 0/0/12	Chamaeleo calyptratus Chalcides ocellatus Corucia zobrata Euroces schneideri Tiliqua rugosa	Yemen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Bejer's Skink	1 3 1 6 1 8 3 1 1	2 1			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1
	Estrilda traglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU)	Red-throated Parrot Finch Black-rumped Wathill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah	1 6 4 1 2 14 1 5 10 1	2 4 1	,	•	5	6	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1	Chamacleo caliptrotus Chalcides occilianis Corucia zebrota Euneces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mahuya perrotetti Gongylomorphus bojerii Gerrhosaurus major	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Shingleback Eastern Blue-tongued Skirik Red-sided Skirik Bejer's Skirik Greater Plated Lizard	1 3 1 6 1 8 3 1 1 4 4	1 . 2			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothochildi (CR) Ampelicaps coronatus Basilornis celebensis	Red-throated Parrot Finch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah	1 5	2	3		5	4	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6	Chamaeleo caliptrotus Chalcides occilistus Corucia zebrata Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuju perrotetti Gangdomorphus bajerii	Yemen Chameleon Eyed Skink Prebensile-tailed Skink Schneider's Skink Schneider's Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Bejer's Skink Greater Plated Lizzed Ocellated Lizzed (Berlenga Isl.) Jewelled Lizzed	1 3 1 6 1 8 3 1 1 4 4 4 1 1	2 1		•	1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT)	Red-throated Parrot Finch Black-rumped Wathill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah	1 5	2	3	*	5	*	7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1	Chamaeleo calyptratus Chalcides ocellatus Corucia zebrata Eumeces schneideri Tiliqua ragasa Tiliqua scincoides scincoides Matuyu perrotetti Gengolomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus praximus	Yernen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Shingleback Eastern Blue-tongued Skirik Red-sided Skirik Bojer's Skirik Greater Plated Lizzerd Ocellated Lizzerd Green Tree Monitor	1 3 1 6 1 8 3 1 1 4 4 4 1 5 3	2 1 2 2			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothochildi (CR) Ampelicaps coronatus Basilornis celebensis	Red-throated Parrot Finch Black-numped Washill Combassou Pen-tailed Whydah Rod-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough	1 5	2		*	5		7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2	Chamaeleo calyptratus Chalcides ocellatus Corucia zebrata Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuyu perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida	Yemen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor	1 3 1 6 1 8 3 1 1 4 4 4 1 5 3 2	1 . 2			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT)	Red-throated Parrot Finch Black-numped Washill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough	1 5	2		*			7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8	Chamaeleo caliptratus Chalcides ocellatus Corucia zebrata Eumeous schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perrotetti Gongylamorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus timorensis Varanus albigularis Varanus niloticus	Yernen Chameleon Eyed Skink Prehenale-tailed Skink Schneider's Skink Schneider's Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor	1 3 1 6 1 8 3 1 1 4 4 1 1 5 3 2 1 1	1 2			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT)	Red-throated Parrot Finch Black-numped Waobill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough	1 5 10 1 2 3 3	2	3	*	s		7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2	Chamaeleo calspiratus Chalcides ocellunus Carucia zebrota Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prastinus Varamus timorensis Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU)	Yemen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor	1 3 1 6 1 8 3 1 1 4 4 4 1 5 3 2 1	1 1 2			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT)	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar	1 5 10 1 2 3 18 8	2	3	4		6	7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5	Chamaeleo calyptratus Chalcides ocellatus Carucia zebrata Eumeces schneideri Tiliqua rugasa Tiliqua scincoides scincoides Mabuyu perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus praximus Varanus timorenxis Varanus timorenxis Varanus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum	Yernen Chameleon Eyed Skirik Prehemile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bajer's Skirik Bejer's Skirik Greater Plated Lizzed Ocellated Lizzed Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster	1 3 1 6 1 8 3 1 1 4 4 1 1 5 3 2 1 4 1	11			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT)	Red-throated Parrot Finch Black-numped Washill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough	1 5 10 1 2 3 3	2	3	4	5 	54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8	Chamaeleo caliptrotus Chalcides ocellatus Corucia zebrata Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mobioju perrotesti Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus praximus Varanus albigularis Varanus albigularis Varanus niloitus Heloderma suspectum suspectum (VU) Heloderma horridum exasperatum (VU) Ophicaurus apodus	Yernen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Shingleback Eastern Blue-tongued Skirik Red-sided Skirik Bojer's Skirik Greater Plated Lizzerd Ocellated Lizzerd Ocellated Lizzerd Genen Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizzerd Scheltopunik (Glass Lizzerd)	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4	11			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocaras pyrrhocoras (RT) Domestic	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar	1 5 10 1 2 3 18 8	2	3	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5	Chamacleo calyptrotus Chalcides ocellatus Corucia zebrata Elameces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mobuyu perrotesti Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida (RT) Lacerta lepida lepida Varanus praxinus Varanus miloticus Heloderna nopectum suspectum suspectum (VU) Heloderna horridum exusperatum (VU) Ophisaurus apodus Cordylus giganteus (VU)	Yernen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Shingleback Eastern Blue-tongued Skirik Red-sided Skirik Bejer's Skirik Greater Plated Lizzed Ocellated Lizzed Ocellated Lizzed Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizzed	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 4 1 4 6 3 3 2 1 1 4 4 4 1 4 4 4 1 4 4 4 4 4 4 4 4 4	1 1 2 2			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT)	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar	1 5 10 1 2 3 18 8	2	1 7	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5	Chamaeleo calspiratus Chalcides ocellunus Carucia zebrota Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prastinus Varamus prastinus Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma horrichum exusperatum (VU) Ophisaurus ajodus Cordylus giganteus (VU) Cordylus polyzonus	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Eastern Blue-tongued Skirik Red-sided Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard Genen Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer	1 3 1 6 1 8 3 1 1 4 4 1 1 5 3 2 1 4 6 3	1 1 2 2 2		•	1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 2/0/2 2/2 1/1 5/0 2/1 2/1 2/1 2/1 2/1 2/1 2/1 2/1 2/1 2/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Fouda flavicans (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps caronatus Basilornis celebensis Pyrrhocaras pyrrhocoras (RT) Domestic REPTILES Testudines	Red-throated Parrot Finch Black-numped Waobill Combassou Pen-tailed Whydah Red-bealed Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds	1 5 10 1 2 3 18 8	2	3	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5	Chamaeleo calyptratus Chalcides ocellatus Carucia zebrata Eumeces schnesderi Tiliqua ragasa Tiliqua scincosdes scincosdes Mahuya perrotetti Gerphomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus praximus Varanus timorensis Varanus albigularis Varanus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis albertisti	Yernen Chameleon Eyed Skirak Prebensile-tailed Skirak Schneider's Skirak Schneider's Skirak Schneider's Skirak Beder's Skirak Beder's Skirak Beder's Skirak Greater Plated Lizzed Ocellated Lizzed Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizzed Scheltopusik (Glass Lizzed) Sungazer Karoo Girdled Lizzed	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6	1 1		•	2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothochildi (CR) Ampeliceps coronatus Basilomis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic REPTILES Testudines Stemotherus adoratus	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar	1 5 10 1 2 3 18 8	2	1 7	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690	Chamaeleo calyptratus Chalcides ocellatus Corucia zebrata Eumeces schneideri Tiliqua rugasa Tiliqua scincoides scincoides Matuyu perrotetti Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus praximus Varanus timorensis Varanus albigularis Varanus albigularis Varanua niloticus Heloderma suspectum suspectum (VU) Heloderma horridam exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis mackloti sanuensis	Yernen Chameleon Eyed Skirak Prehensile-tailed Skirak Schneider's Skirak Schneider's Skirak Schneider's Skirak Red-sided Skirak Beojer's Skirak Greater Plated Lizzed Ocellated Lizzed Ocellated Lizzed Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizzed Scheltopasik (Glass Lizzed) Sungazer Karoo Girdled Lizzed	1 3 1 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 4 6 3 1 4 6 1 4 6 1 4 6 1 4 1 4 1 4 1 4 1 4 1	1 1 2 2			1 . 1 .		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 1/0 1/0 1/0 1/0 1/0
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Laucepsar rothochildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic Testudines Sernotherus odoratus Trachenys scripta elegans Trachenys decorata (VU)	Red-throated Parrot Finch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider	1 5 10 1 2 3 18 8	2	1 7 162	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/6/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690	Chamaeleo calsperatus Chalcides ocellunus Corucia zebrota Eumeces schneideri Tiliqua scincoides scincoides Mabuya perrotetti Genglomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus mobigularis Varamus miloticus Heloderma mapectum suspectum (VU) Heloderma horridum exaspectum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis mackloti samiensis Morelia spilotes spilotes Python curtus brongersmai	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Groen Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Blood Python Blood Python Blood Python	1 3 1 6 1 8 3 1 1 4 4 1 1 5 3 2 1 4 6 3 4 6 1 4 4	1 1 2 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 1/0
	Estrida troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothochildi (CR) Ampeliceps coronana Basilornis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic Testudines Stemoderus odoratus Trachemys scripta elegans Trachemys decorata (VU) Heosemys grandis	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds	1 5 10 1 2 3 18 8	62(3)	162	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690	Chamaeleo calspiratus Chalcides ocellunus Carucha zebrota Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus prasimus Varamus albigularis Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma horrichum exusperanum (VU) Ophinaurus apodus Cordylus giganteus (VU) Cordylus polyzomus Sexpentes Liasis albertisti Liasis mockloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 1 4 5 4	1 1 2 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 1/0 0/1 1/0 0/0/4 2/3 2/0 1/3
	Estrilda tragiodytes Vidua sp. Vidua macroura Quelea flavicans (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocaras pyrrhocoras (RT) Domestic Testudines Sernotherus odoratus Trachemys scripta elegans Trachemys decorata (VU) Heasemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga	Red-throated Parrot Finch Black-rumped Waobill Combassou Pen-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emenald Glossy Starling Rothschild's Myrah Golden-crested Myrah Sulawesi Myrah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle	1 5 10 1 2 3 18 8	2	1 7 162	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/6/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690	Chamaeleo calyptratus Chalcides ocellatus Carucia zebrata Eumeces schneideri Tiliqua ragosa Tiliqua scincoides scincoides Mabuya perrotetti Genghomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus albigularis Varanus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum esusperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis albertisti Llasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python urtus brongersmai Python regius	Yennen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Schneider's Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopasik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Royal Python	1 3 1 6 1 8 3 1 1 4 4 1 1 5 3 3 2 1 4 6 6 3 4 6 6 1 4 5 4 10 3	1 1 2 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/0/4 2/3 2/0 1/3 - 1/0 2/2 0/0/3
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Fouda flavicans (VU) Lamprotomis iris Leucopsar rothochildi (CR) Ampeliceps coronatus Basilomis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic REPTILES Testudines Stemotherus odoratus Trachemys scripta elegans Trachemys decorata (VU) Heosemys grunds Terrapene coahuila (EN) Melanochelys trijuga trijuga Graptomys kohnii	Red-throated Parrot Finch Black-numped Waobill Combassou Pen-tailed Whydah Rod-beaked Weaver (Quelea) Rodrigues Fody Emenald Glossy Starling Rothschild's Myrath Golden-crested Myrath Sulawesi Myrath Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Guart Asian Pond Turtle Mexican Box Terrapin	1 5 10 1 2 3 18 8	62(3)	1 7	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4	Chamacleo calyptratus Chalcides ocellatus Corucia zebrata Eumeces schneideri Tiliqua ragasa Tiliqua scincoides scincoides Mahuya perrotetti Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus praximus Varanus timorensis Varanus albigularis Varanus albigularis Varanus albigularis Varanus albigularis Varanus albigularis Varanus appectum suspectum (VU) Heloderma suspectum exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis albertisti Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brestensteini Python regius Epicrates subflarus (VU)	Yennen Chameleon Eyed Skirak Prehensile-tailed Skirak Schneider's Skirak Schneider's Skirak Schneider's Skirak Red-sided Skirak Red-sided Skirak Red-sided Skirak Greater Plated Lizzed Ocellated Lizzed Ocellated Lizzed Greater Plated Lizzed Grent Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Moniter Rio Grijalva Beaded Lizzed Scheltopusik (Glass Lizzed) Sungazer Karoo Girdled Lizzed D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Borneo Blood Python Borneo Blood Python Borneo Python	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 1 4	1 1 2 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 0/1
	Estrilda tragiodytes Vidua sp. Vidua macroura Quelea fluvicans (VU) Lamprotornis iris Leucopsar rothochildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic Testudines Stemotherus odoratus Trachemys scripta elegans Trachemys decorata (VU) Heosemys grundis Terropene coshulla (EN) Melanochelys trijuga trijuga Graptemys kohnii Pyxis arachnosdes (VU) Homopus areolatus	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise	1 5 10 1 2 3 3 18 8 8 698 698	62(3)	162	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2	Chamaeleo calsperatus Chalcides ocellanus Corucia zebrota Eumeces schneideri Tiliqua scincoides scincoides Mabuya perrotetti Gengolomorphus bojerii Gerhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus prasimus Varamus timorensis Varamus albigularis Varamus miloticus Heloderma mapectum suspectum (VU) Heloderma horridum esuspectum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis macklosi samiensis Morelia spilotes spilotes Python curtus brongersmai Python regius Epicrotes subflavus (VU) Sanzinia mackgascariensis (VU) Boa constrictor	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Bejer's Skirik Greater Plate-tongued Skirik Red-sided Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard Genen Tree Monitor Timor Monitor Bosc's Monitor Reticulated Gila Moniter Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer Karoo Girdied Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 1 4	1 1 2 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 0/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicians (VU) Lamprotomis iris Leucopsar rothochildi (CR) Ampelicipis coronatus Basilomis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Stemotherus adoratus Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptomys kohnii Pyxis arachnoides (VU)	Red-throated Parrot Fisch Black-rumped Waxbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Guart Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise	1 5 10 1 2 3 18 8	2	162	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1	Chamaeleo calyptratus Chalcides ocellatus Corucia zebrota Eumeces schneideri Tiliqua seincoides scincoides Mabuya perrotetti Gengylomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prazinus Varanus prazinus Varanus albigularis Varanus albigularis Varanus albigularis Varanus miloticus Heloderma suspectum suspectum (VU) Heloderma horrichim exasperatum (VU) Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis albertisii Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python regius Epicrates subfarus (VU) Sanzinia madogascariensis (VU) Sanzinia madogascariensis (VU)	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burmese Python Royal Python Jamaican Boa Madagascan Tree Boa	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 6 1 4 1 4	1 1 2 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/0/4 2/3 2/0 1/3 - 1/0 2/2 0/0/3 0/3 2/1/6 3/0 2/2/2 0/0/2 0/2 1/1/9
	Estrilda traglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic Testudines Sernotherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptemya kohnii Pystis arachnoides (VU) Homopus areolatus Testudo praeca (VU) Testudo hornfieldi (VU)	Red-throated Parrot Finch Black-rumped Waobill Combassou Pen-tailed Whydah Rod-beaked Weaver (Quelea) Rodrigues Fody Emenald Glossy Starling Rothschild's Myrath Golden-crested Myrath Sulawesi Myrath Red-billed Chough Duck Chicken Budgerigar Total: Blirds Stinkpet Red-eared Terrapin Hispaniolan Slider Guart Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Perrot-beaked Cape Tortoise Central Asian Tortoise Central Asian Tortoise	1 5 10 1 2 3 3 18 8 8 698 698	2	1 7 162	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/6/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3	Chamaeleo calyptratus Chalcides ocellanus Carucia zebrata Eumeces schneideri Tiliqua ragasa Tiliqua scincoides scincoides Mabuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum exusperanum (VU) Ophisaurus apodus Cordylus giganieus (VU) Cordylus polyromus Serpentes Lianis albertisii Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python regius Epicrates subfarna (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus	Yennen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Schneider's Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Schehopusik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burmese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Dumeni's Boa Rough-scaled Sand Boa Rough-scaled Sand Boa	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	1 1 2 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 1/0 0/1 1/0 0/0/4 2/3 2/0 1/3 1/0 2/2 0/0/3 0/3 2/1/6 3/0 0/2 2/2 0/0/2 0/2
	Estrilda tragiodytes Vidua sp. Vidua macroura Quelea flavicans (VU) Lamprotornis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocaras pyrrhocoras (RT) Domestic REPTILES Testudines Stemotherus adoratus Truchemys scripta elegans Truchemys scripta elegans Truchemys decorata (VU) Heasemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptomys kolnii Pyais arachnoides (VU) Homopus areolatus Testudo graeca (VU) Testudo hermanni	Red-throated Parrot Fisch Black-rumped Warshil Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Guart Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Spur-thighed Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Marginated Tortoise	1 5 10 1 2 3 3 18 8 8 698 698	62(3)	162	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 0/2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0	Chamaeleo calsperatus Chalcides ocellunus Carucia zebrota Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus timorensis Varamus albigularis Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma horrichum exusperatum (VU) Ophinaurus apodus Cordylus giganteus (VU) Cordylus polyzomus Serpentes Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python molarus bivittatus Python molarus bivittatus Python molarus albiguicariensis (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Bejer's Skirik Greater Blue-tongued Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard Genen Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Burmese Python Burmese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durneri's Boa Rough-scaled Sand Boa Smooth Sand Boa Boipevassu Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	1 1 . 2	3		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/04 2/3 2/0 1/3 - 1/0 2/2 0/0/3 0/3 2/1/6 3/0 2/2/2 0/0/2 0/2 1/1/9 0/2 2/0 2/1/5
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothochildi (CR) Ampeliceps coronatus Basilomis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic REPTILES Testudines Stemotherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys decorata (VU) Heosemys grundis Terrapene coahuila (EN) Melanochelys trijuga trijuga Graptemys kohnii Pyxis arachnoides (VU) Homopus areolatus Testudo praeca (VU) Testudo horsfieldi (VU) Testudo horsfieldi (VU) Testudo horsfieldi (VU) Testudo horsfieldi (VU) Testudo marginatu Malacochersus tomieri (VU)	Red-throated Parrot Fisch Black-rumped Waobill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Silder Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Legyptian Tortoise Egyptian Tortoise	1 5 10 1 2 3 3 18 8 8 698 698	62(3)	163	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/6/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1	Chamaeleo calyptratus Chalcides oceilanus Corucia zebrota Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perrotetti Gengolomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus prasinus Varanus albigularis Varanus albigularis Varanus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum esuspectum (VU) Ophsaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis macklosi sanuensis Morelia spilotes spilotes Python curtus brongersmai Python rugius Python regius Python regius Erys subflavus (VU) Sazania maskogascarienus (VU) Boa constrictor	Yennen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Schneider's Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopasik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Bomeo Blood Python	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	1 1 2 2	3		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/04 2/3 2/0 1/3 - 1/0 2/2 0/0/3 0/3 2/1/6 3/0 2/2/2 0/0/2 0/2 1/1/9 0/2 2/0 0/2 0/2 1/1/9 0/2 2/0
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea flavicans (VU) Lamprotornis iris Leucopsar rothochidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Stemotherus odoratus Truchemys scripta elegans Truchemys scripta elegans Truchemys scripta elegans Truchemys grandis Terrapene coshuila (EN) Melanochelys trijuga trijuga Graptomys kolnti Pycis arachnosides (VU) Homopus areolatus Testudo praeca (VU) Testudo hermanni Testudo hermanni Testudo hermanni (EN) Testudo kleismanni (EN) Testudo hermanni Testudo marginata Malacochersus tornieri (VU) Geochelone pardolis Chelus fimbrionus	Red-throated Parrot Finch Black-rumped Waobill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Blirds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Spur-thighed Tortoise Hermann's Tortoise Central Asian Tortoise Marginated Tortoise Marginated Tortoise Pancake Tortoise Pancake Tortoise Pancake Tortoise Matamata	1 5 10 1 2 3 3 18 8 8 698 698	62(3)	1 162	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1	Chamaeleo calsperatus Chalcides oceilianus Carucia zebrota Eumeces schneideri Tiliqua ragosa Tiliqua scincoides scincoides Mobuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus timorensis Varamus albigularis Varamus albigularis Varamus niloticus Heloderma maspectum suspectum (VU) Heloderma horrichum exusperatum (VU) Ophinaurus apodus Cordylus giganteus (VU) Cordylus polyzomus Serpentes Liasis abertisii Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python molurus britanus Python negius Epicrates subflavus (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx comicus Eryx johnii Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropelitis getulus floridana	Yenen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Schneider's Skink Bejer's Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bose's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Bomeo Blood Python Burnese Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durneni's Boa Rough-scaled Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	11.2	3		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 1/0 0/1 1/0 0/0/4 2/3 2/0 1/0 2/2 0/0/3 0/3 2/1/6 3/0 0/2 2/2 0/0/2 0/2 1/1/9 0/2 2/0 2/1/5 1/1/3 - 1/1/3 - 1/1/3
	Estrilda traglodytes Vidua sp. Vidua macroura Quelea flavicans (VU) Lamprotornis iris Leucopsar rothockidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocaras pyrrhocoras (RT) Domestic REPTILES Testudines Stemoderus adoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptenys kohnii Pyxis arachnosdes (VU) Homopus areolatus Testudo kermanni Testudo horsileidi (VU) Testudo horsileidi (VU) Testudo kermanni Testudo marginatu Melacochersus tornieri (VU) Geochelone pariolis	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Marginated Tortoise Pancake Tortoise Leopard Tortoise Leopard Tortoise	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2	Chamaeleo calspiratus Chalcides ocellutus Carucia zebrota Eumeces schneideri Tiliqua ragosa Tiliqua scincoides scincoides Mobuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus prasimus Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum exusperatum (VU) Ophisaurus apodus Cordylus giganieus (VU) Cordylus polyzonus Serpentes Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python regius Epicnates subfarna (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnu Hydrodynastes gigas Heterodon nasieriaca (RT) Lampropeliis getulus californiae	Yennen Chameleon Eyed Skirak Prehensile-tailed Skirak Schneider's Skirak Schneider's Skirak Schneider's Skirak Bejer's Skirak Greater Blue-tongued Skirak Bejer's Skirak Greater Plated Lizzed Ocellated Lizzed (Berlenga Isl.) Jewelled Lizzed Genen Tree Monitor Timor Monitor Bosc's Monitor Reticulated Gila Moniter Rio Grijalva Beaded Lizzed Scheltopusik (Glass Lizzed) Sungazer Karoo Girdled Lizzed D'Albert's Python Savu Python Diamond Python Blood Python Bomeo Blood Python Burnese Python Royal Python Jamaican Bos Madagascan Tree Bos Boa Constrictor Argentine Boa Dumeni's Boa Rough-scaled Sand Boa Smooth Sand Bos Boipevassu Snake Western Hog Nose Snake Smooth Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	2 1 . 2	3 7 7 7 7 13 7		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 0/01 2/0/2 2/2 1/1 5/0 0/1 1/0 0/01 1/0 0/04 2/3 2/0 0/1 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicians (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Sernocherus odoratus Truchemys scripta elegans Truchemys scripta elegans Truchemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptomys kohnii Pyais arachnoides (VU) Homopus areolatus Testudo hornfieldi (VU) Testudo hornfieldi (VU) Testudo hornfieldi (VU) Testudo kleinmanni (EN) Testudo margonatu Malacochersus tornieri (VU) Geochelone partidis Chelus fimbrianis Chelodina longicollis	Red-throated Parrot Fisch Black-rumped Waobill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Silder Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Hermann's Tortoise Hermann's Tortoise Egyptian Tortoise Marginated Tortoise Pancake Tortoise Marginated Tortoise Matamata Long-necked Terrapin	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2	Chamaeleo calsperatus Chalcides occilianus Carucia zebrota Eumeces schneideri Tiliqua scincoides scincoides Mabusp perrotetti Gengolomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prazinus Varanus prazinus Varanus albigularis Varanus albigularis Varanus albigularis Varanus miloticus Heloderma suspectum suspectum (VU) Heloderma suspectum exasperatum (VU) Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis albertisii Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python regius Ephentes subfarna (VU) Sanzinia madogascariensis (VU) Sanzinia madogascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnu Hydrodynastes gigus Heterodon nasicus Coronella austrioca (RT) Lampropeltis getulus californiae Lampropeltis getulus californiae Lampropeltis strangulum sinaloae Boiga irregularis Brown	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burmese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durneri's Boa Rough-scaled Sand Boa Smooth Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldornian King Snake Cat Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	1 1 2 2	3 7 13 7 13 13 13		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 1/0 0/1 1/0 0/0/4 2/3 2/0 1/3 1/0 2/2 0/0/3 0/3 2/1/6 3/0 2/2/2 0/0/2 1/1/9 0/2 2/0 2/1/5 1/1/3 - 0/0/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothochidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Sternotherus odoratus Truchemys scripta elegans Truchemys scripta elegans Truchemys grunds Terrapene coshuila (EN) Melanochelys trijuga trijuga Graptemys kohnii Pyxis aruchnosides (VU) Homopus areolatus Testudo hermanni Testudo hermanni Testudo hermanni Testudo hermanni (EN) Testudo kleiamanni (EN) Testudo kleiamanni (EN) Testudo kleiamanni (EN) Testudo horsfieldi (VU) Geochelone pardolis Chelus fimbriotus Chelodina longicollis Emydura austratis albertuii Pelodiscus sinensis Crocodylia	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Marginated Tortoise Leopard Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra Chinese Soft-shelled Terrapin	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/6/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/6/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 0/0/1	Chamaeleo calyptratus Chalcides ocellatus Carucia zebrata Eumeces schneideri Tiliqua ragasa Tiliqua scincoides scincoides Mabuya perrotetti Genglomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum esusperatum (VU) Cordylus giganieus (VU) Cordylus polyzonus Serpentes Liasis albertisti Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python regius Epicnates subflarus (VU) Sanzinia maskagascarienuis (VU) Sanzinia maskagascarienuis (VU) Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnii Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropelius getalus floridana Lampropelius getalus californiae Lampropelius triangulum sinaloae	Yennen Chameleon Eyed Skirak Prehensile-tailed Skirak Schneider's Skirak Schneider's Skirak Schneider's Skirak Red-sided Skirak Bejer's Skirak Greater Plated Lizzed Ocellated Lizzed (Berlenga Isl.) Jewelled Lizzed Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizzed Scheltopusik (Glass Lizzed) Sungazer Karoo Girdled Lizzed D'Albert's Python Savu Python Diamond Python Blood Python Bornese Python Bornese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Dumeni's Boa Rough-scaled Sand Boa Smooth Sand Boa Smooth Sand Boa Bospevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Californian King Snake Sinaloan Milk Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	1 1 . 2	3		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 0/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea flavicans (VU) Lamprotornis iris Leucopsar rothockidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic REPTILES Testudines Stemoderus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys scripta elegans Trachemys grundis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptemys kohnii Pyxis arachnosdes (VU) Homopus areolatus Testudo kermanni Testudo hornieldi (VU) Testudo kleinmanni (EN) Testudo kleinmanni (EN) Testudo kermanni Testudo marginatu Melacochersus tornieri (VU) Geochelone pardolis Chelus fimbriatus Chelodina longicollis Emydura austratis albertisii Pelodiscus sinensis	Red-throated Parrot Fisch Black-rumped Waobill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rotschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Silder Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Hermann's Tortoise Hermann's Tortoise Egyptian Tortoise Marginated Tortoise Pancake Tortoise Marginated Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2	Chamaeleo calsperatus Chalcides oceilianus Carucia zebrota Eumeces schneideri Tiliqua rugosa Tiliqua scincoides scincoides Mobuya perrotetti Gengylomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus timorensis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma norridum exusperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzomus Serpentes Liasis albertisti Liasis mackloti samuensis Morelia spolotes spilotes Python curtus brongerimai Python curtus brongerimai Python molarus beitiatus Python molarus brongerimai Python molarus brongerimais (VU) Boa constrictor occidentalis Acrantophis dumerili Eryx comicus Eryx johnii Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropelitis getalus floridana Lampropelitis getalus californiae Lampropelitis petalus californiae Lampropelitis petalus Python curtus	Yennen Chameleon Eyed Skirak Prehensile-tailed Skirak Schneider's Skirak Schneider's Skirak Schneider's Skirak Bejer's Skirak Greater Plated Lizzed Ocellated Lizzed (Berlenga Isl.) Jewelled Lizzed Genen Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizzed Scheltopunik (Glass Lizzed Scheltopunik (Glass Lizzed) Sungazer Karoo Girdled Lizzed D'Albert's Python Savu Python Diamond Python Blood Python Bomeo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Dumeni's Boa Rough-scaled Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldomian King Snake Caldomian King Snake Caldomian Good Snake Snalom Milk Snake Caldomian Caldomia	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	2 1 . 2	3		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 0/1
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothochidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Sternocherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys scripta elegans Trachemys scripta viguga Graptemys kohnii Pyxis arachnosdes (VU) Honopus areolatus Testudo praeca (VU) Testudo hermanni Testudo horsfieldi (VU) Testudo hermanni Testudo horsfieldi (VU) Testudo kleinmanni (EN) Testudo marginatu Mislacochersus tomieri (VU) Geocheione parkolis Chelus fimbriatus Chelodina longicollis Emydura australis albertuii Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria	Red-throated Parrot Fisch Black-rumped Waobill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Sider Guart Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Hermann's Tortoise Egyptian Tortoise Egyptian Tortoise Marginated Tortoise Pancake Tortoise Pancake Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra Chinese Soft-shelled Terrapin	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4		54(4)	7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2 0/0/1 2/3	Chamaeleo calsperatus Chalcides oceilianus Corucia zebrota Eumeces schneideri Tiliqua scincoides scincoides Mobuya perrotetti Gengylomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus imorensis Varamus inloicus Heloderma suspectum suspectum (VU) Heloderma suspectum suspectum (VU) Ophinaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzomus Serpentes Liasis macklosi sanuensis Morelia spilotes spilotes Python curtus brongersmai Python regius Epicrates subfarus (VU) Sanzinia mackgascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnu Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropelits getulus alafonidana Lampropelits triangulum sinaloae Boiga irregularis Brown Dispholidus typus Pseudechts colletti	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Greater Blue-tongued Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Groen Tree Monitor Timor Monitor Bosc's Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdied Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Dumeril's Boa Rough-scaled Sand Boa Smooth Sand Boa Bospevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Californian King Snake Sinalom Milk Snake Californian King Snake Collett's Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	2 1 . 2	3		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 2/0/2 2/2 1/1 5/0 0/1 1/0 0/1 1/0 0/04 2/3 2/0 0/1 1/0 0/04 2/3 2/0 0/1 1/0 0/02 0/0 1/1/9 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2
	Estrida troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothochidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocorax pyrrhocorax (RT) Domestic REPTILES Testudines Stemotherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys grundis Terropene coahulla (EN) Melanochelys trijuga trijuga Graptemys kohnis Pyxis arachnosdes (VU) Homopus areolatus Testudo praeca (VU) Testudo hermanni Testudo horsfieldi (VU) Testudo hermanni Testudo horsfieldi (VU) Testudo horsfieldi (VU) Geochelone parkolis Chelus fimbriotus Chelodina dingicollis Emydura australis albertisti Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tarestola mindiae	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Marginated Tortoise Leopard Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra Chinese Soft-shelled Terrapin	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/6/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1	Chamaeleo calsperatus Chalcides occilianus Carucia zebrota Eumeces schneideri Tiliqua scincoides scincoides Mabuya perrotetti Gengylomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus praximus Varanus praximus Varanus albigularis Varanus albigularis Varanus albigularis Varanus albigularis Varanus majoectum suspectum (VU) Heloderma suspectum exasperatum (VU) Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis albertisii Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python regius Epicrates subfarus (VU) Sanzinia madogascariensis (VU) Sanzinia madogascariensis (VU) Boa constrictor Boa constrictor Boa constrictor Boa constrictor Coronella austrioca (RT) Lampropelitis getalus floridana Lampropelitis getalus coliforniae Lampropelitis getalus coliforniae Lampropelitis getalus coliforniae Lampropelitis triangulum sinaloae Boiga irregularis Brown Dispholidus typus Pseudechts colletti Oxyurums caradidus Naja siamensis	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Bejer's Skirik Greater Plate Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer Karoo Girdied Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burmese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durneri's Boa Rough-scaled Sand Boa Smooth Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldornian King Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2	11.2	3		2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 1/0 0/1 1/0 0/0/4 2/3 2/0 1/3 1/0 2/2 0/0/3 0/3 2/1/6 3/0 0/3 2/1/6 3/0 0/2 1/1/9 0/2 2/0 2/1/5 1/1/3 - 0/0/1 0/1 - 2/2 0/2 2/0 2/1/8
	Estrida troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothochidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Sternotherus odoratus Truchemys scripta elegans Truchemys scripta elegans Truchemys scripta elegans Truchemys grundis Terrapene conhuita (EN) Melanochelys trijuga trijuga Graptemys ikoniti Pycis arachnoides (VU) Homopus areolatus Testudo hermanni Testudo hermanni Testudo hermanni Testudo hermanni (EN) Testudo kleinmanni (EN) Testudo kleinmanni (EN) Testudo kleinmanni (EN) Testudo horsfieldi (VU) Geochelone pardolis Chelus fimbrionis Chelodina longicollis Emydura austratis albertuii Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tarentola mindice Nactus serpensinula serpensinula (VU)	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Leopard Tortoise Marginated Tortoise Marginated Tortoise Leopard Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra Chinese Alligator Egyptian Gocko Serpent Island Gocko	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4		54(4)	7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2 0/0/1 2/2/2 1/2 0/0/1 2/3 2/2/4 1/0/1	Chamaeleo calspiratus Chalcides oceilianis Carucia zebrota Eumeces schneideri Tiliqua ragosa Tiliqua scincoides scincoides Mabuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prastinus Varamus prastinus Varamus albigularis Varamus niloticus Heloderma naspectum suspectum (VU) Heloderma horridum exusperanum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python molurus bivitiatus Python regius Epicrates subflarva (VU) Sanzinia madogascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnu Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropelits getulus californiae Lampropelits getulus californiae Lampropelits getulus californiae Lampropelits getulus californiae Lampropelits priamgulum sinaloae Boiga irregularis Brown Dispidiches typus Pseudelchis califoti Oxyuranus scatellatus Acanthophis antarcticus Bungarus candidus	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Greater Plate-tongued Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Groen Tree Monitor Timor Monitor Bosc's Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Bomeo Blood Python Bomeo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Dumeril's Boa Rough-scaled Sand Boa Smooth Sand Boa Bopevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Californian King Snake Sinaloan Milk Snake Californian King Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	2 1 . 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 2/2 0/0/3 2/1/6 3/0 2/2/2 0/0/2 1/1/9 0/2
	Estrilda tragiodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothockidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Stemoderus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys scripta elegans Trachemys grundis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptenys kohnii Pyxis arachnosdes (VU) Homopus areolatus Testudo kermanni Testudo hornieldi (VU) Testudo kleinmanni (EN) Testudo hornieldi (VU) Testudo kleinmanni Testudo marginatu Melacochersus tornieri (VU) Geochelone pardolis Chelus fimbriatus Chelodina longicollis Emydura austratis albertisti Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tarentola mindiae Nactus serpensinusla	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Giant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Leopard Tortoise Leopard Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra Chinese Alligator Egyptian Gocko	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4			7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/3 2/2/4 1/0/1 0/2/2 1/0 1/0 1/0 1/0 2/2/2 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0	Chamaeleo calsperatus Chalcides oceilianus Corucias zebrota Eumeces schneideri Tiliqua scincoides scincoides Mobuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus imorensiis Varamus inloicius Heloderma suspectum suspectum (VU) Heloderma suspectum exusperotum (VU) Ophinaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzomus Serpentes Liasis macklosi sanuensiis Morelia spilotes spilotes Python curtus brongersmai Python regius Epicrates subfarusi (VU) Sanzinia mackgascariensis (VU) Boa constrictor Boa const	Yenen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Schneider's Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Genen Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Bowe Python Bomeo Blood Python Bomeo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Dumeni's Boa Rough-scaled Sand Boa Smooth Sand Boa Smooth Sand Boa Boipevasou Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldornian King Snake Smooth Snake Caldornian King Snake Caldornian King Snake Sinaloan Milk Snake Caldornian King Snake Snooth Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	2 1 . 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/2 0/2 1/1/9 0/2 2/0 0/2 1/1/9 0/2 2/0 0/2 1/1/9 0/2 2/0 0/2 1/1/9 0/2 2/0 0/2 1/1/9 0/2 2/0 0/2 1/1/9 0/2 2/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/2 1/1/9 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2 0/2
	Estrilda traglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicians (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Sternotherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptemyn kohnii Pystis arachnoides (VU) Homopus areolatus Testudo horsfieldi (VU) Testudo hermanni Testudo horsfieldi (VU) Testudo kleinmanni (EN) Testudo marginatu Malacochernus tornieri (VU) Geochelone parlolis Chelus fimbrianus Chelodina longicollis Emydura australis albertini Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tareodora pictus Gekko gecko	Red-throated Parrot Fisch Black-rumped Waobill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Guart Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Parcake Tortoise Leopard Tortoise Leopard Tortoise Leopard Tortoise Leopard Tortoise Leopard Tortoise Chinese Soft-shelled Terrapin Chinese Soft-shelled Terrapin Chinese Alligator Egyptian Gocko Serpent Island Gocko Elegant Gecko Malagasy Night Gecko Tokay Gecko	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4			7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/2 1/2 0/2 1/	Chamaeleo calyptratus Chalcides oceilianis Carucia zebrota Eumeces schneideri Tiliqua ragosa Tiliqua scincoides scincoides Mabuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prastinus Varamus prastinus Varamus niloticus Heloderma naspectum suspectum (VU) Heloderma horridum exusperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python molurus bivittatus Python regius Epicrates subflavna (VU) Sanzinia madogascarienuts (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnu Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropelits getulus californiae	Yemen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Bejer's Skink Bejer's Skink Greater Blue-tongued Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard Green Tree Monitor Timor Monitor Bose's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burnese Python Burnese Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durneni's Boa Rough-scaled Sand Boa Smooth Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldornian King Snake Sinaloan Milk Snake Cat Snake Taipan Death Adder Malayan Krait Siamese Cobra Snouted Cobra Mozambique Spitting Cobra Red Spitting Cobra	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	11.2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 2/0/2 2/2 1/1 5/0 0/1 1/0 0/1 1/0 0/04 2/3 2/0 0/1 1/0 0/03 2/1/6 3/0 2/2/2 0/02 0/2 1/1/9 0/2 2/0 2/1/5 - 1/1/3 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 - 1/1/3 - 0/0/1 0/1 - 2/2 0/0 2/1/5 0/0/4 2/0
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Senocherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptemya kohnii Pyasi arachnoides (VU) Homopus areolatus Testudo horsfieldi (VU) Testudo horsfieldi (VU) Testudo horsfieldi (VU) Testudo kleinmanni Testudo margoustu Malacocherus tornieri (VU) Geochelone parkalis Chelodina longicollos Emydura australis albertisii Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tareodora pictus Paroedora pictus Paroedora pictus Paroedora pictus Paroedora pictus	Red-throated Parrot Fisch Black-rumped Warbill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Grant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Penrot-beaked Cape Tortoise Penrot-beaked Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Pancake Tortoise Leopard Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terrapin Chinese Soft-shelled Terrapin Chinese Soft-shelled Terrapin Chinese Alligator Egyptian Gecko Malagasy Night Gecko Tokay Gecko Wahlberg's Velvet Gecko Ornate Day Gecko Ornate Day Gecko	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4			7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 0/2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2 0/0/1 2/3 2/2/4 1/0/1 0/0/1 1/0 0/0/1 1/0 0/0/1 1/0 0/0/1 1/0 0/0/1	Chamaeleo calsperatus Chalcides occilianus Carucia zebrota Eumeces schneideri Tiliqua scincoides scincoides Mabuya perrotetti Gengolomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prazinus Varanus prazinus Varanus albigularis Varanus albigularis Varanus miloticus Heloderma suspectum suspectum (VU) Heloderma suspectum exasperatum (VU) Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis albertisii Liasis mackloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brietansteini Python regius Epicnates subfarna (VU) Sanzinia madogascariensis (VU) Sanzinia madogascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnu Hydrodynastes gigus Heterodon nasicus Coronella austrioca (RT) Lampropelitis getulus californiae Lampropelitis getulus californiae Lampropelitis getulus californiae Lampropelitis rizangulum sinaloae Boiga irregularis Brown Dispholidus typus Pseudechts colletti Oxyurams caraktdus Naja siamensis Naja annusifera Naja musumbica Naja palika Naja oxiana	Yemen Chameleon Eyed Skink Prehensile-tailed Skink Schneiden's Skink Schneiden's Skink Schneiden's Skink Bejer's Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard Green Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopanik (Glass Lizard) Sungazer Karoo Girdied Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burmese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durneril's Boa Rough-scaled Sand Boa Smooth Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldornian King Snake Sinalom Milk Snake Caldornian King Snake Caldornian King Snake Sinalom Milk Snake Caldornian King Snake Sinalom Milk Snake Caldornian King Snake Caldornian King Snake Sinalom Milk Snake Caldornian King Snake Caldornian King Snake Caldornian King Snake Sinalom Milk Snake Caldornian King Snake Caldornian King Snake Sinalom Milk Snake Caldornian King Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	11.2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/0/1 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 1/0 0/1 0/1
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	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Senocherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptomyn kohnii Pysis arachnoides (VU) Homopus areolatus Testudo hornfieldi (VU) Testudo hornfieldi (VU) Testudo kleinmanni Testudo margonatu Malacocherus tornieri (VU) Geochelone parkalis Chelodina longicollos Emydura australis albertisii Pelodiscus sinensis Chelodina longicollos Emydura australis albertisii Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tarentola mindae Nacus serpensinula (VU) Stenodoctylus sthenodoctylus Paroedura pictus Gekto gecko Homophotis wahlbergi Phelsuma graindocasi rosagularis Phelsuma graindocasi rosagularis Phelsuma graindocasi rosagularis Phelsuma atandingi (VU) Eublepharis macularius	Red-throated Parrot Finch Black-rumped Warshill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Silder Grant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Pernot-beaked Cape Tortoise Hermann's Tortoise Hermann's Tortoise Hermann's Tortoise Leopard Tortoise Marginated Tortoise Egyptian Tortoise Marginated Tortoise Marginated Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra Chinese Soft-shelled Terrapin Chinese Alligator Egyptian Gecko Serpent Island Gecko Blegart Gecko Malagasy Night Gecko Tokay Gecko Macabe Day Gecko Leopard Ground Gecko Leopard Ground Gecko Leopard Ground Gecko Leopard Ground Gecko	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4			7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2 0/0/1 2/3 2/2/4 1/0/1 0/2/2 1/2 0/0/1 2/3 2/2/4 1/0/1 0/2/2 1/2 0/0/1 2/3 2/2/4 1/0/1 0/0/1 2/2/2 1/2 0/0/1 1/0 0/0/1 2/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1	Chamaeleo calsperatus Chalcides oceilianus Carucia zebrota Eumecus schneideri Tiliqua scincoides scincoides Mobuya perrotetti Gengylomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus timorensis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma suspectum exusperatum (VU) Ophinaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzomus Serpentes Liasis albertisti Liasis mackloti sanuensis Morelia spolotes spilotes Python curtus brongerimai Python molaria bivitiatus Python regius Epicrates subfarus (VU) Sanzinia makagascariensis (VU) Sanzinia makagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnii Hydrodynastes gigas Heterodon nasticus Coronella austriaca (RT) Lampropelitis getalus californiae Lampropelitis getalus floridana Lampropelitis triamguiun sinalooe Boiga irregularis Brown Dispholidas typus Pseudechis colletti Oxyuramus scutellatus Acanthophia antarcticus Bungarus candidus Naja sinamusifera Naja annusifera Naja mussambica Naja annusimia Hemachatus haemachatus Dendrouspis polylepis Dendrouspis polylepis	Yemen Chameleon Eyed Skirik Prehensile-tailed Skirik Schneider's Skirik Schneider's Skirik Schneider's Skirik Bejer's Skirik Greater Blue-tongued Skirik Bejer's Skirik Greater Plated Lizard Ocellated Lizard Genen Tree Monitor Timor Monitor Bosc's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Dumenl's Boa Rough-scaled Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Sande Californian King Snake Sinalom Milk Snake Californian King Snake Californian King Snake Sinalom Milk Snake Taipan Death Adder Malayan Krait Siamese Cobra Snouted Cobra Mozoellate Cobra Rod Spitting Cobra	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	1 1 . 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/1 0/0/1 2/0/2 2/2 1/1 5/0 0/1 1/0 0/0/1 1/0 0/0/1 1/0 0/0/1 1/0 1/0
	Estrilda tragiodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotomis iris Leucopsar rothochidi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Sernotherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptemyn kohnii Pystis arachnoides (VU) Homopus areolatus Testudo horsfieldi (VU) Testudo horsfieldi (VU) Testudo horsfieldi (VU) Testudo kleinmanni (EN) Testudo marginatu Malacocherus ternieri (VU) Geochelore parlalis Chelus fimbriatus Chelodina longicollis Emydura australis albertisii Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tareodora pictus Gekto gecko Homopholis wahlbergi Pheliuma standingi (VU) Eublepharis macularius Cyclura cornuta cornuta (VU) Eublepharis macularius Cyclura cornuta cornuta (VU)	Red-throated Parrot Fisch Black-rumped Waobill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Slider Guart Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Madagascar Spider Tortoise Parrot-beaked Cape Tortoise Parrot-beaked Cape Tortoise Hermann's Tortoise Central Asian Tortoise Egyptian Tortoise Marginated Tortoise Pancake Tortoise Leopard Tortoise Leopard Tortoise Leopard Tortoise Leopard Tortoise Leopard Tortoise Chinese Soft-shelled Terrapin Chinese Soft-shelled Terrapin Chinese Alligator Egyptian Gecko Malagasy Night Gecko Tokay Gecko Wahlberg's Velvet Gecko Orate Day Gecko Standing's Day Gecko Standing's Day Gecko Leopard Ground Gecko Rhinoceros Iguaria	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4			7 2/4 0/0/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 0/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2 0/0/1 2/3 2/2/4 1/0/1 0/2/2 1/0 0/0/1 2/2 1/0 0/0/1 2/2 1/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	Chamaeleo calyptratus Chalcides oceilianis Carucia zebrota Eumeces schneideri Tiliqua scincoides scincoides Mobigia perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus prasimus Varamus albigularis Varamus niloticus Heloderma naspectum suspectum (VU) Heloderma norridum exisperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzomus Serpentes Liasis mackloti samiensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python curtus brongersmai Python molurus bivitiatus Python negius Epicrates subfarna (VU) Sanzinia makagascariensis (VU) Sanzinia makagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dimerili Eryx conicus Eryx johnu Hydrodymastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropeltis getulus floridana Lampropeltis getulus floridana Lampropeltis triangulum sinalone Boiga irregularis Brown Dispholidus typus Pseudechts colletti Coyuramus scutellatus Acanthophis antarcticus Bungarus candidus Naja samensis Naja anusumbica Naja palluda	Yemen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Red-sided Skink Bejer's Skink Greater Plate-tongued Skink Red-sided Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard Green Tree Monitor Timor Monitor Bose's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopusik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Borneo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durneni's Boa Rough-scaled Sand Boa Smooth Sand Boa Smooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldornian King Snake Sinaloan Milk Snake Caldornian King Snake	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	2 1 . 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 2/0/2 2/2 1/1 5/0 2/1 - 1/0 0/1 1/0 0/1 1/0 0/1 1/0 2/2 0/0/2 1/1/9 0/2
	Estrilda troglodytes Vidua sp. Vidua macroura Quelea quelea Foudia flavicans (VU) Lamprotornis iris Leucopsar rothschildi (CR) Ampeliceps coronatus Basilornis celebensis Pyrrhocarax pyrrhocorax (RT) Domestic REPTILES Testudines Senocherus odoratus Trachemys scripta elegans Trachemys scripta elegans Trachemys grandis Terrapene coahulla (EN) Melanochelys trijuga trijuga Graptomyn kohnii Pysis arachnoides (VU) Homopus areolatus Testudo hornfieldi (VU) Testudo hornfieldi (VU) Testudo kleinmanni Testudo margonatu Malacocherus tornieri (VU) Geochelone parkalis Chelodina longicollos Emydura australis albertisii Pelodiscus sinensis Chelodina longicollos Emydura australis albertisii Pelodiscus sinensis Crocodylia Alligator sinensis (CR) Sauria Tarentola mindae Nacus serpensinula (VU) Stenodoctylus sthenodoctylus Paroedura pictus Gekto gecko Homophotis wahlbergi Phelsuma graindocasi rosagularis Phelsuma graindocasi rosagularis Phelsuma graindocasi rosagularis Phelsuma atandingi (VU) Eublepharis macularius	Red-throated Parrot Finch Black-rumped Warshill Combassou Pin-tailed Whydah Red-beaked Weaver (Quelea) Rodrigues Fody Emerald Glossy Starling Rothschild's Mynah Golden-crested Mynah Sulawesi Mynah Red-billed Chough Duck Chicken Budgerigar Total: Birds Stinkpot Red-eared Terrapin Hispaniolan Silder Grant Asian Pond Turtle Mexican Box Terrapin Peninsular Black Turtle Mississippi Map Turtle Madagascar Spider Tortoise Pernot-beaked Cape Tortoise Hermann's Tortoise Hermann's Tortoise Hermann's Tortoise Leopard Tortoise Marginated Tortoise Egyptian Tortoise Marginated Tortoise Marginated Tortoise Leopard Tortoise Matamata Long-necked Terrapin New Guinea Red-bellied Terra Chinese Soft-shelled Terrapin Chinese Alligator Egyptian Gecko Serpent Island Gecko Blegart Gecko Malagasy Night Gecko Tokay Gecko Macabe Day Gecko Leopard Ground Gecko Leopard Ground Gecko Leopard Ground Gecko Leopard Ground Gecko	1 5 10 1 2 3 3 18 8 8 698 698 698 698 698 698 698 698 69	62(3)	162	4			7 2/4 0/6/4 1/0 2/0 0/0/12 0/1 4/1 3/6 0/1 1/1 1/2 2/1 3/8 1/5 690 0/0/3 0/0/4 0/0/6 1/0 2/2/1 0/2 1/3 0/0/4 1/2 6/7/3 5/1 4/1 7/5/6 4/0 2/1/2 0/1 0/0/1 2/2/2 1/2 0/0/1 2/3 2/2/4 1/0/1 0/0/1 2/3 2/2/4 1/0/1 0/0/1 1/0 0/0 0	Chamaeleo calsperatus Chalcides oceilianus Carucia zebrota Eumeces schneideri Tiliqua ragosa Tiliqua scincoides scincoides Mobuya perrotetti Gengdomorphus bojerii Gerrhosaurus major Lacerta lepida (RT) Lacerta lepida lepida Varamus prasimus Varamus timorensis Varamus albigularis Varamus niloticus Heloderma suspectum suspectum (VU) Heloderma socutum exusperatum (VU) Ophinaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzomus Sexpentes Liasis mockloti sanuensis Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python molarus britiatus Python molarus Python molarus Eryx johnii Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropelits getulus floridana Lampropelits striamgulum sinalooe Boiga irregularis Brown Disploidus typus Pseudechts colletti Oxyuramus scutellatus Acanthophis antarcticus Bungarus candidus Naja sammulifera Naja mousumbica Naja antarcticus Bungarus candidus Naja sup Naja kasuuhia Naja oxiama Hemachatus hoemochatus Dendrosspis negysticeps Dendrosspis negysticeps Dendrosspis negysticeps Vipera lebetina obtusa	Yenen Chameleon Eyed Skink Prehensile-tailed Skink Schneider's Skink Schneider's Skink Schneider's Skink Bejer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Grent Pree Monitor Timor Monitor Bose's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard D'Albert's Python Savu Python Diamond Python Blood Python Bomeo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durnenl's Boa Rough-scaled Sand Boa Smooth Sand Boa Senooth Sand Boa Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Caldomian King Snake Smooth Snake Caldomian King Snake Caldomian King Snake Smooth Snake Florida King Snake Caldomian King Snake Smooth Snake Taipan Death Adder Malayan Krait Sianese Cobra Snouted Cobra Monocellate Cobra Rod Spitting Cobra Red Spitting Red Spitting Red Spitting Red Spitting	1 3 1 6 1 8 3 1 1 4 4 1 5 3 2 1 4 1 4 6 3 4 6 1 4 5 4 10 3 6 2 2 10 2 2 4 2 6 1 1 1 1 4 2 2 4 2	2 1 . 2			2 . 1		2/0 1/0 2/1/4 1/0 3/4 1/2 0/1 0/01 0/01 2/0/2 2/2 1/1 5/0 0/1 1/0 0/01 1/0 0/04 2/3 2/0 0/1 1/0 1/0 0/02 2/1/5 - 1/1/3

		1	2	3	4	5	6	7	FISHES			2	3		5	6	7
Bitis arietans	Puff Adder	7	***	4		4		2/2/3							- 60		1
Bitis gabonica rhinocerus Echis carinatus ssp.	Gaboon Viper Carpet Viper	6		38		4	3	5/1/31	OSTEICHTHYES								
Echis carinatus sochureks	Saw-scaled Viper	3	- 10			i		0/1/1	Acipenseriformes								
Gloydus intermedius sauatalis Gloydus halys caraganus	Rock Mamushi Karagonda Mamushi	6		:	-			0/0/6	Acipenser rutherus (VU) Scaphirhynchus platorhynchus (VU	Sterlet Sharehold Sterlet	5				1		4
Calloselasma rhodostoma	Malayan Pit Viper	9	+			3		0/0/6	Polyodon spathula (VU)	Paddlefish	8	3			2		9
Trimeresurus purpureomaculatus Trimeresurus albolahris	Mangrove Pit Viper White-lipped Tree Viper	21	1	6	4	11	10	0/1/1	Amiiformes								
Bodrops asper	Terciopelo	1				-		0/1	Amia calva	Bowfin	2		12	-	1		1
Bothrops moojeni Bothrops atrea x moojeni	Moojen's Fer-de-Lance Fer-de-Lance x Moojen's	1	+					1/0	Anguilliformes								
Bodows about	Fer-de-Lance	13	-			1		0/0/12	Anguilla anguilla	Common Eel	1				1		1
Bothrops alternatus Crotalus durissus culminatus	Urutu North-western Neotropical	1	***			-	*	0/0/1	Conger conger Echidna zebra	Conger Eel Zebra Moray Eel	5			3			5
Crotalus unicolor (CR)	Rattlesnake Aruba Island Rattlesnake	15		. 8		3	2(2)	1.00	Gymnothorax favaginesa	Leopard Moray Eel	2						2
Crotalus vegrandis	Uracoan Rattlesnake	30		29		32	2(2)	1/1/16	Atheriniformes	450000000000000000000000000000000000000	100						
Crotalus atrus	Western Diamondback Rattlesnake							0/0/1	Bedotia geayi Glossolepis incisus (VU)	Madagascan Rainbowfish Metallic Rainbowfish	13	32	1	0	1		38
Crotalus viridis oreganus	Northern Pacific Rattlesnake	5		-1	-			0/0/6	Melanotaenia maccullochi	McCulloch's Rainbowfish	1				1		
Crotalus mitchelli Crotalus cerastes	Speckled Rattlesnake Sidewinder	- 1	*			1		1/0	Melanotaenia boesemani (EN) Telmatherina ladigesi (VU)	Boeseman's Rainbowfish Sulawesi Rainbowfish	2	10			-		10
					-			1/0	Belontiformes								
	Total: Reptiles	463	19	181	7	121	49(3)	486	Dermogenya pusillus	Malayan Haltbeak	1				1		
	Transcription of the control of the	****	.,	101	-	***	47(2)	400	Nomoramphus ebrardiii Nomoramphus leimi leimi	Sulawesi Halfbeak Sulawesi Halfbeak	27	:	ne	DE			27
AMBUIDIANO									20.0	The state of the s		-					,
AMPHIBIANS									Beryciformes Myripristis adjusta	Bronze Soldierfish	1						1
Anura									Myripristis jacobus	Blackbar Soldierfish	4	4					4
Mantella aurantiaca Limnodynastes sp.	Golden Mantella Banjo Frog (Pobblebonk)		-36	1		3	*	0/0/5	Myripristis mudjan Sargocentron diadema	Red Soldierfish Clown Squirrelfish	2	1			1		1
Colostethus trinitatus	Stream Frog	-40	-30	nr	nr	-36 nr		-40	Sargocentron rubrum	Redcoat Squirrelfish	2				-4		2
Dendrobates auratus Dendrobates leucomelas	Green-&-black Poison Frog Yellow-banded Poison Frog	11	1	*		7	*	0/0/4	Characiformes								
Dendrobates tinctorius	Blue-&-yellow Poison Frog	1	1					1/0	Astyanax mexicanus (VU) Hemigrammus bloheri	Blind Cavefish Rummy-nose Tetra	22	*		*	1	130	21
Dendrobates pumilio Dendrobates truncatus	Strawberry Poison Frog Yellow-&-black Poison Frog	33	3	+	*	-18	2	-16 0/0/4	Hemigrammus erythozonas	Glowlight Tetra	8	14	-		7		1
Dendrobates azureus	Blue Poison Frog	16		-		2	3	2/3/6	Hyphessobrycon herbertaselrodi Hyphessobrycon pulchripinnis	Black Neon Tetra Lemon Tetra	9		-	*	9		-
Phyllobates aurotaenia Phyllobates terribilis	Kokoe Poison Frog Golden Poison Frog	-	4	*	-	3	*	1/0	Hyphessobrycon serpae	Serpae Tetra	3				3	-	
Epipedobates tricolor	Phantasmal Poison Frog	9		12	-	nr		-9	Paracheirodon innesi Pristella maxillaris	Neon Tetra X-ray Tetra	13	*		-	3		;
Gastrotheca riobambae Litoria caerulea	Marsupial Frog White's Tree Frog	9				5	-	0/0/1	Gymnocorymbus ternetzi	Black Widow Tetra	24				1	-	23
Rana catesbeiana	American Bullfrog	2				1		0/0/1	Metymnis argenteus Serrasalmus nattereri	Silver Dollar Rod-bellied Piranha	-155			1	105	25	2 25
Bufo calamita Bufo marinus	Natterjack Toad Cane Toad	3	;					0/0/3	Triporthes angulatus	Narrow Hatchetfish	6						6
Bufo viridis Bombina orientalis	Green Toad	1						1/0	Hasemania nana	Silver-tipped Tetra	18				12		6
T)phlonectes notares	Fire-bellied Toad Aquatic Caecilian	4				2	1	0/0/6	Cypriniformes Mysocyprinus asiaticus	Chinese Sailfin Sucker							
Ambystoma mexicanum Ambystoma tigrinum	Axoloti Time Salamanta		4			4			Botia hymenophysa	Tiger Botia	2				2		
Salamandra salamandra	Tiger Salamander Fire Salamander		1					0/0/1	Botia macracantha Botia modesta	Clown Loach Red-finned Botia	4		*	*		1	4
		_	_						Botia sidhimuski (CR)	Chain Loach	8		0		1		7
	Total: Amphibians	145	67	12	-	83	51	24	Leptobotia mantschurica Acheilognathus micropterus	Manchurian Loach Asian Bitterling	1				1	*	;
		4410	200			77.7	286	772	Barbus barbus	Barbel	3						î
									Barbso bimaculatus Capoeia arulius	Two-spot Barb Arulis Barb	12	1		1	4 2		8 7
									Capoeta oligolepia Capoeta semplasciolatus	Checker Barb Chinese Green Barb	7				7	*	
										Crimese Cepter Darty	2	-	-			-	4
									Capoeta tetracoma	Tigor Barb	3	-	4	-	3		
	-		_	_		_	_			Tiger Barb	,	-	-	_	3	-	_
		1	2	3	4	5		7	Caprieta tetracima		1	2	3		3		1
Capoeta tilleya	Cherry Barb	1 2 12	2	3	4	5		7	Capriota tetracoma Belontia signala	Combtail Samese Fighting Fish	1 13 1	1	3	* :	5 5 1	•	1
Capoeta titleya Carassius auratus Ctenopharjagodon idella	Goldfish Grass Carp	1 2 12 5	2	3		5 1		1 4 5	Capoieta tetrazonia Belontia signata Betta splendens Trichogaster trichogaster	Combtail Sumese Fighting Fish Three-spot Gourami	1 13 1 5	1	3		5 5 1		,
Carassius awrotus Ctenopharyngodon idella Cyprinus carpio	Goldfish Grass Carp Carp - Koi, mirror, etc.	1 2 12 5 -49	2	3	* * * * * * * * * * * * * * * * * * * *	5 1 - 6 1	6	1 4	Capriota tetrezonia Belontia signata Betta splendens	Combtail Sumese Fighting Fish	1 13 1 5 6	2	3		5 5 1	6	7 8 2 3
Carassius aurotus Ctenopharyngodon idella Cyprinus carpio Epulzeorhyncus siamensis Garra sp.	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Louch	5	1	3		5 1		1 4 5	Belontia signata Betia signata Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthas enalenensis Salarias fasciatus	Combtail Sumese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carsary Blenny Algae Blenny	1 13 1 5 6 6 . 3	1			5 5 1		7 8
Carassius aurotus Ctenopharyngodon idella Cyprinus carpio Epulzeorhyncus siamensis	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox	5	2	3		5 1		1 4 5	Belontia signata Betin splendens Trichogaster trichogaster Leopadogaste sp. Mesiacanthus onalenensis Salarias fasciatus Blennius gattorugine Lipophrys pholis	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Canary Blenny Algae Blenny Tompot Blenny Shanny	1 13 1 5 6 - 3 20	2			5 5 1 		7 8
Carassius aurotus Ctenopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophihalmichthys molitris Leuciscus cephalus	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Louch Gudgeon Silver Carp Chub	5 -49 1 3 2 3 8	2	3		5 1	4	1 4 5 -43 -2 3 8	Belontia signala Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacardhus onalenensis Salarias fasciatus Blennius gattorugine Lapophrys pholis Gobiodon citrinus	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Canary Blenny Algae Blenny Tompot Blenny Shanny Saffron Goby	1 13 1 5 6 - 3 20 3 15	2			5 5 1 - 3 2 7 18 3 7		7 8
Carassius aurotus Cienopharyngodon idella Cyprima carpio Epulzeorhyncus siamensis Garra sp. Gobio gobio Hypophahalmichthys molitris	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp	5	2	3	* * * * * * * * * * * * * * * * * * * *	5 1		1 4 5 -43 - 2 3 8 10 1	Belontia signata Beta splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthus onalenensis Salarias fasciatus Blennius gottorugine Lipophrys photis Gobiodon citrimus Pomatoschistus microps Gobius niger	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carsay Blenny Algae Blenny Tompot Blenny Shanny Saffron Goby Common Goby Black Goby	3 15 14	2 2 6 6			5 5 1 - - 3 2 7 18 3 7		7 8
Carassius aurotus Ctenopharjangodos idella Cyprinus curpio Epidewortynicus siamensis Garra sp. Gobio gobio Hypophidalmichthys molures Leuciscus cephalus Leuciscus idus Leuciscus leuciscus Phoxinus phaxinus	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow	5 -49 1 3 2 3 8 10	2	3	* * * * * * * * * * * * * * * * * * * *	5 1	4	1 4 5 -43 - 2 3 8 10 1 -30	Belontia signata Betta splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthus onalenensis Salarias fasciatus Blennius gattorugine Lipophys pholis Gobiodon citrinus Pomatoschistus microps Gobius nager Gobius paganellus	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carsay Blenny Algae Blenny Tompot Blenny Shanny Saffron Goby Common Goby	3 15	2		*	5 5 1 - 3 2 7 18 3 7 4 8		7 8
Carassius aurotus Ctenopharjangodos idella Cyprinus carpio Epulzeorhyncus siamensis Garra sp. Gobio gobio Hypophahalmichthys molitris Leuciscus cepholus Leuciscus idus Leuciscus leuciscus	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chab Ide or Orfe Dace	5 -49 1 3 2 3 8 10 - 4 10 10	2	3	4	5 1	6 . 8	1 4 5 -43 -2 3 8 10 1 -30 10 6	Belontia signata Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthus onalenensis Salarias fasciatus Blennius gattorugine Lipophrys pholis Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Ptereleotris evides Nematelectris magnifica	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carary Blenny Algae Blenny Tompot Blenny Sharny Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fire Goby	3 15 14	2	*	*	5 5 1 - - 3 2 7 18 3 7 4 8 - 1		
Carassius aurotus Cienopharyngodon idella Cyprima carpio Epulzeorhyncus siamensis Garra sp. Gobio gobio Hypophahalmichthys molitris Leuciscus cephalus Leuciscus idus Leuciscus leuciscus Phoxinus phoximus Pieudenasbora parva Rasbora beropetensis Rasbora elegans	Goldfish Grass Carp Carp - Kot, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora	5 -49 1 3 2 3 8 10 - 4 10 10 10 12	2	3	4	5 1	* . *	1 4 5 -43 - 2 3 8 10 1 -30	Belontia signata Betia signata Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthat onalenensis Salarias fasciatus Blennius gattorugine Lipophys pholis Gobiodon citrinus Pomatoschistus microps Gobias rager Gobias paganellus Psereleotris evides	Combtail Sumese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carusy Blenny Algae Blenny Tompot Blenny Sharny Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby	3 15 14	2 2 6 6 6		*	5 5 1 - - 3 2 7 18 3 7 4 8 - 1 2		
Carassius aurotus Ctenopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophalamichthys molitres Leuciscus ephalus Leuciscus idus Leuciscus leuciscus Phaxinus phaxinus Pseudorasbora parva Rasbora berapetensis Rasbora elegans Rasbora elegans Rasbora heteromorpha Ratilus rutilus	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Roach	5 -49 1 3 2 3 8 10 - 4 10 10 12 18 6	2 	3	* *	5 1 - 6 1 3 13 50	4	1 4 5 -43 - 2 3 8 10 1 -30 10 6 7 5 -56	Belontia signata Betta splendens Trichogaster trichogaster Leopadogaste sp. Mesacanthus onalenensis Salarias fasciatus Blennius gottorugine Lipophrys pholis Gobiodon citrimus Pomatoschistus microps Gobius paganellus Ptereleotris evides Nematelectris magnifica Valencienna puellaris Valencienna strigata Gobiusculus flavescens	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carsary Blenny Algae Blenny Tompot Blenny Sharmy Saffron Goby Common Goby Black Goby Torpedo Goby Torpedo Goby Fire Goby Orange-spot Goby Blue-checked Goby Two-spot Goby	3 15 14	2 2 6 6			5 5 1 - 3 2 7 18 3 7 4 8 - 1 2		
Carassius aurotus Ctenopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophalamichthys molitris Leuciscus ichis Leuciscus ichis Leuciscus leuciscus Phaxinus phaxinus Pseudorusbora parva Rusbora berapetensis Rusbora elegans Rusbora heteromorpha Rutilus rutilus Scardinius erythrophhalmus	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Louch Gudgeon Silver Carp Chub Ide or Orfe Duce Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Roach Rudd	5 -49 1 3 2 3 8 10 - 4 10 10 10 12 18		3	* *		4	1 4 5 -43 - 2 3 8 10 1 1 -30 10 6 7 5	Belontia signata Besu splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthus onalenensis Salarias fasciatus Blennius gattorugine Lipophrys pholis Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Psereleotris evides Nematelectris magnifica Valencienna puellaris Valencienna strigata	Combtail Sumese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carusy Blenny Algae Blenny Tompot Blenny Sharny Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fire Goby Orange-spot Goby Blue-cheeked Goby Two-spot Goby Sand Goby Mudskipper	3 15 14 22 3 -	2 2 6 6			5 5 1 - 3 2 7 18 3 7 4 8 - 1 2	6	14 3 3 2 2 6 1
Carassius aurotus Camopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophthalmichthyn molitres Leuciscus cephalus Leuciscus idus Leuciscus leuciscus Phoxinus phoximus Proxinus phoximus Proxinus phoximus Rasbora borapetensis Rasbora beteromorpha Rutilus rutilus Scardinius erythrophthalmus Tinca tinca Zacco sp.	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Roach Rudd Tench Zacco	5 -49 1 3 2 3 8 10 - 4 10 10 10 12 18 6 - -50 >26 1		3	* *	-50		1 4 5 -43 - 2 3 8 10 1 -30 10 6 7 5 -56 -50	Belontia signata Betia signata Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthat onalenensis Salarias fasciatus Blennius gattorius Blennius gattorius Pomatoschistus microps Gobias nager Gobias nager Gobias paganellus Psereleotris evides Nematelectris magnifica Valencienna puellaris Valencienna puellaris Valencienna fuenta Gobiasculus flavescens Pomatoscistus minutus Periophihalmus sp. Csenolabrus rupestris	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carsary Blenny Algae Blenny Tompot Blenny Sharmy Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fire Goby Orange-spot Goby Blue-checked Goby Two-spot Goby Sand Goby Madskipper Goldsinny Wrasse	3 15 14	2 2 6 6	*		5 5 5 1 - 3 2 7 18 3 7 4 8 - 1 2 - 1 7		
Carassius aurotus Cienopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophihalmichthys molitris Leuciscus cephalus Leuciscus leuciscus Phaxinus phaxinus Phaxinus phaxinus Pseudorasbora parva Rasbora borapetensis Rasbora beteromorpha Ratilus rutilus Scardinius erythrophthalmus Tinca tinca Zacco sp. Notropis lutrensis	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Duce Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Roach Rudd Tench	5 -49 1 3 2 3 8 10 - 4 10 10 10 12 18 6 -50		3	* *	-50	4	1 4 5 -43 - 2 3 8 10 1 -30 10 6 7 5 -56 -50 >24	Belontia signata Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacanshus onalenensis Salarias fasciatus Blennius gattorugine Lipophrys pholis Gobioson citrinus Pomatoschistus microps Gobius paganellus Ptereleotris evides Nematelectris magnifica Valencienna puellaris Valencienna striguta Gobiusculus flavescens Pomatoscistus minutus Periophilamus sp. Cienolabrus rupestris Labras bergolia	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Canary Blenny Algae Blenny Tompot Blenny Sharmy Saffron Goby Common Goby Black Goby Rock Goby Rock Goby Torpedo Goby Fier Goby Orange-spot Goby Blue-cheeked Goby Two-spot Goby Sand Goby Mudskipper Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse	3 15 14 22 3 -	2 2 6 6		*	5 5 1 - 3 2 7 18 3 7 4 8 - 1 2 - 1 7		14 3 3 2 2 6 1
Carassius aurotus Cienopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophihalmichthys molitres Leuciscus cephalus Leuciscus lehis Leuciscus lehis Leuciscus lehis Leuciscus lehis Leuciscus lehis Phazinus phazinus Pseudorasbora parva Rasbora borapetensis Rasbora berapetensis Rasbora elegans Rasbora elegans Rasbora heteromorpha Ratilus rutilus Scardinius erythrophihalmia Tinca tinca Zacco sp. Notropis lutrensis Cyprinodontiformes	Goldfish Grass Carp Carp - Kot, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Roach Rudd Tench Zacco Red Shiner	5 -49 1 3 2 3 8 10 - 4 10 10 10 12 18 6 - -50 >26 1 6		3	* * * * * * * * * * * * * * * * * * * *	-50	35(35)	1 4 5 -43 - 2 3 8 10 1 -30 10 6 7 5 -56 -50 >24	Belontia signata Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthat onalenensis Salarias fasciatus Blennius gottorugine Lipophrys pholis Cobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Ptereleotris evides Nematelectris magnifica Valencienna puellaris Valencienna strigata Gobiusculus flavescens Pomatoscistus minutus Periophikalmus sp. Cienolabrus rupestris Labroides dimidiatus	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carary Blenny Algae Blenny Tompot Blenny Sharny Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fier Goby Orange-spot Goby Blae-cheeked Goby Two-spot Goby Sand Goby Madskipper Goldsinny Wrasse Cleaner Wrasse	3 15 14 22 3 - - - 5 24 1	2	*		3 7 4 8 1 2		14 3 3 2 2 6 1
Carassius aurotus Ctenopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophalamichthys molitres Leuciscus cephalus Leuciscus idus Leuciscus idus Leuciscus idus Leuciscus idus Leuciscus idus Rustora beacuscus Phoximus phoximus Pseudorasbora parva Rustora berapetensis Rustora elegans Rustora elegans Rustora heteromorpha Rutilus rutilus Scardinius erythrophihalmus Tinca tinca Zacco sp. Notropis lutrensis Cyprinodontiformes Ameca splendens (EW) Pachypanchax omalonorus	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Duce Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Rudd Tench Zacco Red Shiner Butterfly Goodeid Madagascan Killifish	5 -49 1 3 2 3 8 10 - 4 10 10 10 12 18 6 - -50 >26 1 6	-100	3 · · · · · · · · · · · · · · · · · · ·	* *	-50 nr 1 6	8(8)	1 4 5 -43 2 3 8 10 1 -30 10 6 7 5 -56 -50 >24	Belontia signata Betta splendens Trichogaster trichogaster Leopadogaste sp. Mesacanthus onalenensis Salarias fasciatus Blennius gattorugine Lapophrys pholis Gobiodon citrinus Pomatoschistus microps Gobius paganellus Psereleotris evides Nematelectris magnifica Valencienna strigata Gobiusculus flavencens Pomatoscistus minutus Periophihalmus sp. Cienolabrus rupestris Labrus bergylia Labrus mistus Pseudochellmus hexataenia Symphodus melops	Combtail Siamese Fighting Fish Three-spot Gourani Shore-Clingfish/Comish Sucker Carusy Blenny Algae Blenny Tompot Blenny Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fier Goby Orange-spot Goby Blue-cheeked Goby Two-spot Goby Sand Goby Mudskipper Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cyjama Wrasse Pyjama Wrasse Corkwing Wrasse	3 15 14 22 3 - - - 5 24 1	1	*		3 7 4 8 - 1 2		14 3 3 2 2 6 1
Carassius aurotus Camopharyngodon idella Cyprima carpio Epulzeorhyncus siamensis Garra sp. Gobio gobio Hypophahalmichthyn molitres Leuciscus cephalus Leuciscus leuciscus Phoximus phaximus Phaximus phaximus Pseudinusbora parva Rusbora borapetensis Rusbora heteromorpha Ruthus ruthus Scardinius erythrophihalmus Tinca tinca Zacco sp. Notropis lutrensis Cyprinodontiformes Ameca splendens (EW) Pachypanchas omalononus Orycias celebensis S	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Duce Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Radd Tench Zacco Red Shiner	5 -49 1 3 2 3 8 10 - 4 10 10 10 12 18 6 - -50 >26 1 6		3 · · · · · · · · · · · · · · · · · · ·	* *	-50 nr 1 6		1 4 5 -43 -2 3 8 10 1 -30 10 6 7 5 -56 -50 >24 -	Belontia signata Besta splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthus onalenensis Salarias fasciatus Blennius gatiorugine Lapophrys pholis Gobiodon citrinus Pomatoschistus microps Gobius paganellus Psereleotris evides Nematelectris magnifica Valencienna puellaris Valencienna strigata Gobiusculus flavescens Pomatoscistus minutus Periophihalmus sp. Cienolabrus rupestris Labrus bergilta Labrus hexpilta	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carsary Blenny Algae Blenny Tompot Blenny Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fier Goby Orange-spot Goby Blue-cheeked Goby Two-spot Goby Sand Goby Mudskipper Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Pyjama Wrasse	3 15 14 22 3 - - - 5 24 1 15 5 1	2 2 6 6			3 7 4 8 1 2		14 3 3 2 2 6 1
Carassius aurotus Cienopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophihalmichthys molitris Leuciscus cephalus Leuciscus leuciscus Phaxinus phaxinus Phaxinus phaxinus Pseudorasbora parva Rusbora borapetensis Rusbora elegans Rusbora heteromorpha Rustus rutius Scardinius erythrophthalmus Tinca tinca Zacco sp. Notropis lutrensis Cyprinodontiformes Ameca splendens (EW) Pachypanchax omalonotus Orysius celebensis S Poecilia nigrofasciata Poecilia reticulata	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Harlequin Rasbora Roach Rudd Tench Zacco Red Shiner Butterfly Goodeid Madagascan Killifish Sulawesi Medaka Black-barred Limia Guppy	5 -49 1 3 2 3 8 10 · 4 10 10 112 118 6 -50 >26 1 6 -160 22160 1 col.	-100	ne ne	* *	-50 nr 1 6 nr 1	8(8)	1 4 5 -43 - 2 3 8 10 1 -30 10 6 7 5 -56 -50 >24 -	Belontia signata Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthat onalenensis Salarias fasciatus Blennius gattorugine Lipophrys pholis Cobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Ptereleotris evides Nematelectris magnifica Valencienna strigata Gobiusculus flavescens Pomatoscistus minutus Periophihalmus sp. Cienolabrus rupestris Labrus bergolia Labrus mistus Pseudocheilmus hexataenia Symphodus melops Pterosynchiropus splendidus Synchiropus picturatus Lo vulpinis	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carary Blenny Algae Blenny Tompot Blenny Sharmy Saffron Goby Stack Goby Rock Goby Torpedo Goby Black Goby Torpedo Goby Fier Goby Orange-spot Goby Blae-cheeked Goby Two-spot Goby Sand Goby Madskipper Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cleaner Wrasse Cuckoo Wrasse Pyjama Wrasse Corkwing Wrasse Mandarin Fish Spotted Mandarin Foxface	3 15 14 22 3 - - - 5 24 1 15 5 1	2	*		3 7 4 8 1 2		14 3 3 2 2 2 6 1 17 2 5 3 1 4 4 4 1
Carassius aurotus Cienopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophihalmichthys molitris Leuciscus cephalus Leuciscus leuciscus Phaxinus phaxinus Pseudorasbora parva Rasbora borapetensis Rasbora elegans Rasbora heteromorpha Ratilus rutilus Scardinius erythrophihalmus Tinca tinca Zacco sp. Notropis lutrensis Cyprinodontiformes Ameca splendens (EW) Pachypanchax omalonotus Orycias celebensis S Poecilia nigrofascusta Poecilia reticulata	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Roach Rudd Tench Zacco Red Shiner Butterfly Goodeid Madagascan Killifish Sulawesi Medaka Black-burred Limia Guppy Pitch-lake Guppy Crescent Zoe	5 -49 1 3 2 3 8 10 -4 10 10 10 12 18 6 -50 >26 -160	-100	nr	* *	-50 nr 1 6 nr 1	8(8)	1 4 5 -43 -2 3 8 10 1 -30 10 6 7 5 -56 -50 >24 - -	Belontia signata Betta splendens Trichogaster trichogaster Leopadogaste sp. Mesacanthus onalenensis Salarias fasciatus Blennius gattorugine Lapophrys pholis Gobiodon citrinus Pomatoschistus microps Gobius paganellus Psereleotris evides Nematelectris magnifica Valencienna striguta Gobiusculus flavencens Pomatoscistus minutus Periophihalmus sp. Cienolabrus rupestris Labrus bergylia Labrus mostus Pseudocheilmus hexataenia Symphodus melops Pterosynchiropus splendidus Synchiropis picturatus Lo vulpinis Lepomis gibosus Lepomis gibosus Lepomis gibosus Lepomis gibosus	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Canary Blenny Algae Blenny Tompot Blenny Sharny Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fier Goby Orange-spot Goby Blue-cheeked Goby Two-spot Goby Sand Goby Mudskipper Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Pyjama Wrasse Corkwing Wrasse Mandarin Fish Spotted Mandarin Foxface Pumpkinseed Warmouth Bass	3 15 14 22 3 - - - 5 24 1 15 5 1	2 2 6 6 6	*		3 7 4 8 1 2		14 3 3 2 2 6 1
Carassius aurotus Cienopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophihalmichthys molitris Leuciscus cephalus Leuciscus leuciscus Phaxinus phaxinus Phaxinus phaxinus Pseudorasbora parva Rusbora borapetensis Rusbora elegans Rusbora heteromorpha Rustus rutius Scardinius erythrophthalmus Tinca tinca Zacco sp. Notropis lutrensis Cyprinodontiformes Ameca splendens (EW) Pachypanchax omalonotus Orysius celebensis S Poecilia nigrofasciata Poecilia reticulata	Goldfish Grass Carp Carp - Kot, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Harlequin Rasbora Roach Rudd Tench Zacco Red Shiner Butterfly Goodeid Madagascan Killifish Sulawesi Medaka Black-barred Limia Guppy Pitch-lake Guppy	5 -49 1 3 2 3 8 10 · 4 10 10 112 18 6 -50 >26 1 6 -160 22160 1 col620	-100	ne ne	* *	-50 nr 1 6 nr 1	8(8)	1 4 5 -43 -2 3 8 10 1 -30 10 6 7 5 -56 -50 >24 -	Belontia signata Betta splendens Trichogaster trichogaster Leopadogaste sp. Mesacanthus onalenensis Salarias fasciatus Blennius gattorugine Lapophrys pholis Gobiodon citrinus Pomatoschistus microps Gobius paganellus Psereleotris evides Nematelectris magnifica Valencienna striguta Gobiusculus flavencens Pomatoscistus minutus Periophihalmus sp. Cienolabrus rupestris Labrus bergylia Labrus mostus Pseudocheilmus hexataenia Symphodus melops Pterosynchiropus splendidus Synchiropis picturatus Lo vulpinis Lepomis gibbasis Lepomis gibbasis Lepomis gibasis Lepomis gibasis Lepomis gibasis Lepomis megalotis	Combtail Siamese Fighting Fish Three-spot Gourani Shore-Clingfish/Comish Sucker Carusy Blenny Algae Blenny Tompot Blenny Saffron Goby Common Goby Black Goby Rock Goby Rock Goby Torpedo Goby Fier Goby Orange-spot Goby Blue-cheeked Goby Two-spot Goby Sand Goby Mudskipper Goldsinny Wrasse Ballan Wrasse Cleaner Wrasse Ballan Wrasse Cyjama Wrasse Pyjama Wrasse Corkwing Wrasse Mandarin Fish Spotted Mandarin Foxface Pumpkinseed Warmouth Bass Long-eared Sunfish	3 15 14 22 3 - - - 5 24 1 15 5 1	2 2 6 6			3 7 4 8 1 2		14 3 3 2 2 2 6 1 17 2 5 3 1 4 4 4 1 1 1 2 1
Carassius aurotus Ctenopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophalamichthys molitres Leuciscus cephalus Leuciscus leuciscus Phaxinus phaxinus Pseudorasbora parva Rasbora borapetensis Rasbora berapetensis Rasbora elegans Rasbora heteromorpha Ratilus rutilus Scardinius erythrophilalmus Tinca tinca Zacco sp. Notropis lutrensis Cyprinodontiformes Ameca splendens (EW) Pachypanchas omalonotus Orycias celebensis S Poecilia nigrofasciala Poecilia reticulata	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Harlequin Rasbora Roach Rudd Tench Zacco Red Shiner Butterfly Goodeid Madagascan Killifish Sulawesi Medaka Black-burred Limia Guppy Pitch-lake Guppy Crescent Zoe Four-eyed Fish	5 -49 1 3 2 3 8 10 · · · · · · · · · · · · · · · · · ·	-100 -100 -100 -100 -17	ne ne	* * * * * * * * * * * * * * * * * * * *	-50 . nr 1 6 mr 1 nr nr nr nr 4	8(8)	1 4 5 -43 -2 3 8 10 1 -30 10 6 7 5 -56 -50 >24 - -	Belontia signata Betta splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthat onalenensis Salarias fasciatus Blennius gattorugine Lipophrys pholis Gobiodon citrinus Pomatoschistus microps Gobius paganellus Psereleotris evides Nematelectris magnifica Volencienna strigata Gobiusculus flavescens Pomatoscistus minutus Periophihalmus sp. Csenolabrus rupestris Labrus mixtus Periophihalmus sp. Csenolabrus rupestris Labrus mixtus Pseudocheilmus hexataenia Symphodus melops Pterasynchiropus splendidus Synchiropis picturatus La vulpnis Lepomis gibbasus Lepomis gibbasus Lepomis gibbasus Lepomis megalotis Siniperca chuatus Chaetodon falcula	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carsary Blenny Algae Blenny Tompot Blenny Sharmy Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fire Goby Orange-spot Goby Blue-checked Goby Two-spot Goby Sand Goby Madskipper Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Pyjama Wrasse Mandarin Fish Spotted Mandarin Foxface Pumpkinseed Warmouth Bass Long-eared Sunfish Chinese Perch Falcula Butterflyfish	3 15 14 22 3 - - - 5 24 1 15 5 1	2 2 6 6 1 5 2 2 6 1 18 4 2 1 18			3 7 4 8 1 2		14 3 3 2 2 2 6 1 17 2 5 3 1 4 4 4 1 1 1 2 1
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Carassius aurotus Camopharyngodon idella Cyprima carpio Epulzeorhyncus siamensis Garra sp. Gobio gobio Hypophihalmichthys molitris Leuciscus cephalus Leuciscus leuciscus Phaxinus Rusbora beropetensis Rusbora elegans Rusbora elegans Rusbora heteromorpha Rusbora heteromorpha Rusbora inca Scardinius erythrophihalmus Tinca tinca Zacco sp. Notropis lutrensis Cyprinodontiformes Ameca splendens (EW) Pachypanchas omalonotus Oryzias celebensis S Poecilia nigrofasciata Poecilia reticulata (wild form) Zoogneticus tequila Anableps anableps Gadiformes Trisopterius luscus Gasterosteiformes Gasterosteiformes Gasterosteiformes Gasterosteiformes Gasterosteiformes Gasterosteiformes Gasterosteiformes Gasterosteiformes Gesterosteiformes Gesterosteiformes Gesterosteiformes Gesterosteiformes Gesterosteiformes Leptosteiformes Leptosteira platostomus Osteoglossiformes Notopterus chitala Perciformes Notopterus chitala Perciformes Notopterus chitala Perciformes Notopterus chitala	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Harlequin Rasbora Roach Rudd Tench Zacco Red Shiner Butterfly Goodeid Madagascan Killifish Sulawesi Medaka Black-burred Limia Guppy Pitch-lake Guppy Crescent Zoe Four-eyed Fish Bib Three-spined Stickleback Worm Pipefish Greater Pipefish Candy Pipefish Candy Pipefish Candy Pipefish Candy Pipefish Electric Eel Spotted Gar Florida Gar Shortnose Gar Clown Knife Fish Lipstick Tang Regal Tang Yellow Sailfin Tang	5 -49 1 3 2 3 8 8 10 · 4 4 10 10 10 112 18 6 6 -50 >26 1 6 6	-100 -100 -100 -17 25 -10 -20 302	ner	10	-50 nr 1 6 nr 1 nr nr nr 4 15 nr 7 10 6 26 192 -299	7	1 4 5 -43 - 2 3 8 10 1 -30 10 6 7 5 -56 -50 >24 100 19 10 -50 -500 -100 13 25 - 60 - 1 0.04 7.36 9 3	Belontia signata Betta splendens Trichogaster trichogaster Leopadogaste sp. Mesacanthus enalemensis Salarias fasciatus Blennius gatiorugine Lapophys pholis Gobiodon citrinus Pomatoschistus microps Gobius paganellus Psereleotris evides Nematelectris magnifica Valencienna puellaris Valencienna strigata Gobiusculus flaviescens Pomatoscistus minutus Periophihalmus sp. Cienolabrus rupestris Labrus bergilia Labrus mixtus Pseudochellmus hexataenia Symphodus melops Pterasynchiropus splendidus Synchiropis picturatus La vulpinis Lepomis gibbosus Lepomis gibosus Lepomis picturatus Chelmon rustratus Chelmon rustratus Chendolidapia guentheri Cyphotiapia frontosa Julidochromis regari Labeotropheus fuelleborni Ptychochromis melanopterus (CR) Savotheradon sp. (CR) Melanochromis pensioni Neolamprologus lelespi Pseudocrenilabrus multicolor Pseudotropheus zebra Pierophyllum scalare Centrolabrus esoletus Bodiamus rufus Datosides quadrifusciatus Dicentrarchus labrax	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Caruary Blienny Algae Blenny Tompot Blenny Sharmy Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fire Goby Orange-spot Goby Blue-cheeked Goby Two-spot Goby Sand Goby Madskipper Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Pyjama Wrasse Corkwing Wrasse Mandarin Fish Spotted Mandarin Forface Pumpkinseed Warmouth Bass Long-cared Sunfish Chinese Perch Falcula Butterflyfish Wimpole or Bannerfish Guenther's Mouthbrooder Blue-banded Cichlid Striped Julie Red-top Cichlid Malagasy Cichlid Velvet Black Lake Victoria Cichlid Black-finned Fulu Barombi Mbo Cichlid Barombi Mbo Cichlid Barombi Mbo Cichlid Barombi Mbo Cichlid Lake Malawi Cichlid	3 15 14 22 3 - - - 5 24 1 15 5 1 29 1 - - 7 1 3 3 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1	6 - - - - - - - - - - - - - - - - - - -	10		3 7 4 8 · 1 2 · · · 10 2 · · · · · · · · · · · · · · · · · ·	10 - 48 20(20) - - - - - -	14 3 2 2 6 1 17 2 5 3 1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1
Carassius aurotus Camopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophahalmichthys molitris Leuciscus cephalus Leuciscus leuciscus Phasinus phasinus Phasinus phasinus Phasibora parva Rusbora borapetensis Rusbora elegans Rusbora elegans Rusbora heteromorpha Ruthus ruthus Scardinius erythrophahalmus Tinca tinca Zacco sp. Notropis hatrensis Cyprinodontiformes Ameca splendens (EW) Pachypanchas omalonotus Orycius celebensis S Poecilia reticulata P	Goldfish Grass Carp Carp - Kot, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Harlequin Rasbora Roach Rudd Tench Zacco Red Shiner Butterfly Goodeid Madagascan Killifish Sulawesi Medaka Black-burred Limia Guppy Pitch-lake Guppy Crescent Zoe Four-eyed Fish Bib Three-spined Stickleback Worm Pipefish Candy Pipefish Candy Pipefish Candy Pipefish Candy Pipefish Candy Pipefish Electric Eel Spotted Gar Florida Gur Shortnose Gar Clown Knife Fish Liptick Tang Regal Tang Yellow Sailfin Tang Kingsley's Climbing Perch Pyjama Cardinal	5 -49 1 3 2 3 8 8 10 · 4 4 10 10 10 112 18 6 6 -50 >26 1 6 6	-100 -100 -100 -17 25 -10 -20 302	ner	10	-50 nr 1 6 nr 1 nr nr nr 4 15 nr 7 10 6 26 192 -299	7	1 4 5 -43 - 2 3 8 10 1 -30 10 6 7 5 -56 -50 >24 100 19 10 -50 -500 -100 13 25 - 60 - 1 0.04 7.36 9 3	Belontia signata Besta splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthus onalenensis Salarias fasciatus Blennius gastorugine Lapophrys pholis Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Psereleotris evides Nematelectris magnifica Valencienna strigata Gobiusculus flavencens Pomatoscistus minutus Periophihalmus sp. Cienolabrus rupestris Labrus bergilia Labrus mistus Pseudochellmus hexataenia Symphodus melops Pherosynchiropus splendidus Synchiropis picturatus Lepomis gibbasia Lepomis gibbasia Lepomis gibbasia Lepomis gibbasia Lepomis megalotis Sanperca chuatu Chaetodon falcula Chelmon ristratia Heniochia acuminatus Chronidotilapia guentheri Cyphotilapia frantosa Julidochromis regani Labeotropheus fuellebomi Pychochromis melanopierus (CR) Sanotheradon sp. (CR) Melanochromis pichanui Melanochromis pichanui Neolamprologus brichardi Neolamprologus brichardi Neolamprologus leleupi Pseudotrophius culare Centrolabrus exoletus Bodianus rufus Doenotides quadrifusciatus Dicentrachus labrus Cheronia premiodes Pereophyllien scalare Centrolabrus exoletus Bodianus rufus Doenotides quadrifusciatus Dicentrachus labrus Chelon labrusa Pereophyllien scalare Centrolabrus exoletus Bodianus rufus Doenotides quadrifusciatus Dicentrachus labrus Cheloplesiops altinelis	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carany Blenny Algae Blenny Tompot Blenny Sharny Saffron Goby Common Goby Black Goby Rock Goby Rock Goby Torpedo Goby Fier Goby Orange-spot Goby Blue-cheeked Goby Two-spot Goby Sand Goby Mudskipper Goldsinny Wrasse Ballan Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Hyjama Wrasse Corkwing Wrasse Mandarin Fish Spotted Mandarin Fordace Pumpkinseed Warmouth Bass Long-cared Sunfish Chinese Perch Falcula Butterflyfish Copperband Butterflyfish Wimpole or Bannerfish Guenther's Mouthbrooder Blue-banded Cichlid Striped Julie Red-top Cichlid Malagasy Cichlid Velvet Black Lake Victoria Cichlid Black-finned Fulu Barombi Mbo Cichlid Black-finned Fulu Barombi Mbo Cichlid Johanni Cichlid Lake Malawa Cichlid	3 15 14 22 3 - - - 5 24 1 15 5 1 29 1 - - 7 1 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10(10)	10		3 7 4 8 - 1 2	10 - 48 20(20) - - - - - -	14 3 2 2 6 1 17 2 5 3 1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1
Carassius aurotus Cienopharyngodon idella Cyprima carpio Epulzeorhyncus siamensis Garra sp. Gobio gobio Hypophahalmichthys molitris Leuciscus cephalus Leuciscus leuciscus Phaxinus phaxinus Phaxinus phaxinus Phaxinus phaxinus Phaxinus phaxinus Rusbora beropotensis Rusbora elegans Rusbora elegans Rusbora heteromorpha Rusbora heteromorpha Rusbora tinca Zacco sp. Notropis lutrensis Cyprinodontiformes Ameca splendens (EW) Pachypanchas omalonosus Oryaias celebensis S Poecilia nigrofasciata Poecilia reticulata Poecilia reticul	Goldfish Grass Carp Carp - Kot, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Harlequin Rasbora Roach Rudd Tench Zacco Red Shiner Butterfly Goodeid Madagascan Killifish Sulawesi Medaka Black-burred Limia Guppy Pitch-lake Guppy Crescent Zoe Four-eyed Fish Bib Three-spined Stickleback Worm Pipefish Greater Pipefish Candy Pipefish Candy Pipefish Knyana Seahorse Yellow Seahorse Slender Seahorse Seahor Seahorse Seake Pipefish Electric Eel Spotted Gar Florida Gar Shortnose Gar Clown Knife Fish Lipstick Tang Regal Tang Yellow Sailfin Tang Kingsley's Climbing Perch	5 -49 1 3 2 3 8 8 10 · 4 4 10 10 10 112 18 6 6 -50 >26 1 6 6	-100 -100 -100 -17 25 -10 -20 302	ner	10	-50 nr 1 6 nr 1 nr nr nr 4 15 nr 7 10 6 26 192 -299	7	1 4 5 -43 - 2 3 8 10 1 -30 10 6 7 5 -56 -50 >24 100 19 10 -50 -500 -100 13 25 - 60 - 1 0.04 7.36 9 3	Belonsia signata Besta splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthus onalenensis Salarias fasciatus Blennius gattorugine Lapophrys pholis Gobiodo citrinus Pomatoschistus microps Gobius nager Gobius paganellus Psereleotris evides Nematelectris magnifica Valencienna strigata Gobiusculus flavencens Ponatoscistus montus Periophihalmus sp. Cienolabrus rupestris Labrus bergolia Labrus motus Pseudocheilmus hexataenia Symphodus melops Pherosynchiropus splendidus Synchiropis picturatus La vulpinis Lepomis gibousa Lepomis gibousa Lepomis gulosus Lepomis protosa Julidochromis regari Labeotropheus fuelleborni Pychochromis pen Labeotropheus fuelleborni Pychochromis pen Labeotropheus fuelleborni Pychochromis pen Labeotropheus pienteri Cyphotiapia frontosa Julidochromis regari Labeotropheus fuelleborni Pychochromis penwoodi Lipochromis melanopterus (CR) Samatepia sp. (CR) Melanochromis johanni Melanochromis johanni Melanochromis johanni Neolamprologus lelespi Pseudocrephleus zebra Pseudoropheus zebra Pseudoropheus zebra Pseudoropheus zebra Pseudoropheus zebra Pseudoropheus deless Bodianus refus Datnolales quadirfusciatus Dicentrarchus labrax Chelon labrasus Parupeneus barberinoides Perca fluviatilis	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carany Blemny Algae Blenny Tompot Blemny Saffron Goby Common Goby Black Goby Rock Goby Rock Goby Torpedo Goby Fier Goby Orange-spot Goby Blue-cheeked Goby Two-spot Goby Sand Goby Mudskipper Goldsinny Wrasse Ballan Wrasse Cleaner Wrasse Ballan Wrasse Corkwing Wrasse Mandarin Fish Spotted Mandarin Foxface Pumpkinseed Warmouth Bass Long-eared Sunfish Chinese Perch Falcula Butterflyfish Copperband Butterflyfish Copperband Butterflyfish Wimpole or Bannerfish Guenther's Mouthbrooder Blue-banded Cichlid Striped Julie Red-top Cichlid Welvet Black Lake Victoria Cichlid Black-finned Fulu Barombi Mbo Cichlid Black-finned Fulu Barombi Mbo Cichlid Johanni Cichlid Lake Malawi Cichlid Lake Ma	3 15 14 22 3 - - - 5 24 1 15 5 1 29 1 - - 7 1 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10(10)	10		3 7 4 8 - 1 2	10 - 48 20(20) - - - - - -	14 3 2 2 6 1 17 2 5 3 1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1

		1	2	3	4	5	6	7	FISHES			2	3		5	6	7
Bitis arietans	Puff Adder	7	***	4		4		2/2/3							- 60		1
Bitis gabonica rhinocerus Echis carinatus ssp.	Gaboon Viper Carpet Viper	6		38		4	3	5/1/31	OSTEICHTHYES								
Echis carinatus sochureks	Saw-scaled Viper	3	- 10			i		0/1/1	Acipenseriformes								
Gloydus intermedius sauatalis Gloydus halys caraganus	Rock Mamushi Karagonda Mamushi	6		:	-			0/0/6	Acipenser rutherus (VU) Scaphirhynchus platorhynchus (VU	Sterlet Sharehold Sterlet	5				1		4
Calloselasma rhodostoma	Malayan Pit Viper	9	+			3		0/0/6	Polyodon spathula (VU)	Paddlefish	8	3			2		9
Trimeresurus purpureomaculatus Trimeresurus albolahris	Mangrove Pit Viper White-lipped Tree Viper	21	1	6	4	11	10	0/1/1	Amiiformes								
Bodrops asper	Terciopelo	1				-		0/1	Amia calva	Bowfin	2		12	-	1		1
Bothrops moojeni Bothrops atrea x moojeni	Moojen's Fer-de-Lance Fer-de-Lance x Moojen's	1	+					1/0	Anguilliformes								
Bodows about	Fer-de-Lance	13	-			1		0/0/12	Anguilla anguilla	Common Eel	1				1		1
Bothrops alternatus Crotalus durissus culminatus	Urutu North-western Neotropical	1	***			-	*	0/0/1	Conger conger Echidna zebra	Conger Eel Zebra Moray Eel	5			3			5
Crotalus unicolor (CR)	Rattlesnake Aruba Island Rattlesnake	15		. 8		3	2(2)	1.00	Gymnothorax favaginesa	Leopard Moray Eel	2						2
Crotalus vegrandis	Uracoan Rattlesnake	30		29		32	2(2)	1/1/16	Atheriniformes	450000000000000000000000000000000000000	100						
Crotalus atrus	Western Diamondback Rattlesnake							0/0/1	Bedotia geayi Glossolepis incisus (VU)	Madagascan Rainbowfish Metallic Rainbowfish	13	32	1	0	1		38
Crotalus viridis oreganus	Northern Pacific Rattlesnake	5		-1	-			0/0/6	Melanotaenia maccullochi	McCulloch's Rainbowfish	1				1		
Crotalus mitchelli Crotalus cerastes	Speckled Rattlesnake Sidewinder	- 1	*			1		1/0	Melanotaenia boesemani (EN) Telmatherina ladigesi (VU)	Boeseman's Rainbowfish Sulawesi Rainbowfish	2	10			-		10
					-			1/0	Belontiformes								
	Total: Reptiles	463	19	181	7	121	49(3)	486	Dermogenya pusillus	Malayan Haltbeak	1				1		
	Transcription of the control of the	****	.,	101	1	***	47(2)	400	Nomoramphus ebrardiii Nomoramphus leimi leimi	Sulawesi Halfbeak Sulawesi Halfbeak	27	:	ne	DE			27
AMBUIDIANO									20.0	The state of the s		-					,
AMPHIBIANS									Beryciformes Myripristis adjusta	Bronze Soldierfish	1						1
Anura									Myripristis jacobus	Blackbar Soldierfish	4	4					4
Mantella aurantiaca Limnodynastes sp.	Golden Mantella Banjo Frog (Pobblebonk)		-36	1		3	*	0/0/5	Myripristis mudjan Sargocentron diadema	Red Soldierfish Clown Squirrelfish	2	1			1		1
Colostethus trinitatus	Stream Frog	-40	-30	nr	nr	-36 nr		-40	Sargocentron rubrum	Redcoat Squirrelfish	2				-4		2
Dendrobates auratus Dendrobates leucomelas	Green-&-black Poison Frog Yellow-banded Poison Frog	11	1	*		7	*	0/0/4	Characiformes								
Dendrobates tinctorius	Blue-&-yellow Poison Frog	1	1					1/0	Astyanax mexicanus (VU) Hemigrammus bloheri	Blind Cavefish Rummy-nose Tetra	22	*		*	1	130	21
Dendrobates pumilio Dendrobates truncatus	Strawberry Poison Frog Yellow-&-black Poison Frog	33	3	+	*	-18	2	-16 0/0/4	Hemigrammus erythozonas	Glowlight Tetra	8	14	-		7		1
Dendrobates azureus	Blue Poison Frog	16		-		2	3	2/3/6	Hyphessobrycon herbertaselrodi Hyphessobrycon pulchripinnis	Black Neon Tetra Lemon Tetra	9		-	*	9		-
Phyllobates aurotaenia Phyllobates terribilis	Kokoe Poison Frog Golden Poison Frog	-	4	*	-	3	*	1/0	Hyphessobrycon serpae	Serpae Tetra	3				3	-	
Epipedobates tricolor	Phantasmal Poison Frog	9		12	-	nr		-9	Paracheirodon innesi Pristella maxillaris	Neon Tetra X-ray Tetra	13	*		-	3		;
Gastrotheca riobambae Litoria caerulea	Marsupial Frog White's Tree Frog	9				5	-	0/0/1	Gymnocorymbus ternetzi	Black Widow Tetra	24				1	-	23
Rana catesbeiana	American Bullfrog	2				1		0/0/1	Metymnis argenteus Serrasalmus nattereri	Silver Dollar Rod-bellied Piranha	-155			1	105	25	2 25
Bufo calamita Bufo marinus	Natterjack Toad Cane Toad	3	;					0/0/3	Triporthes angulatus	Narrow Hatchetfish	6						6
Bufo viridis Bombina orientalis	Green Toad	1						1/0	Hasemania nana	Silver-tipped Tetra	18				12		6
T)phlonectes notares	Fire-bellied Toad Aquatic Caecilian	4				2	1	0/0/6	Cypriniformes Mysocyprinus asiaticus	Chinese Sailfin Sucker							
Ambystoma mexicanum Ambystoma tigrinum	Axoloti Time Salamanta		4			4			Botia hymenophysa	Tiger Botia	2				2		
Salamandra salamandra	Tiger Salamander Fire Salamander		1					0/0/1	Botia macracantha Botia modesta	Clown Loach Red-finned Botia	4		*	*		1	4
		_	_						Botia sidhimuski (CR)	Chain Loach	8		0		1		7
	Total: Amphibians	145	67	12	-	83	51	24	Leptobotia mantschurica Acheilognathus micropterus	Manchurian Loach Asian Bitterling	1				1	*	;
		4410	200			77.7	286	772	Barbus barbus	Barbel	3						î
									Barbso bimaculatus Capoeia arulius	Two-spot Barb Arulis Barb	12	1		1	4 2		8 7
									Capoeta oligolepia Capoeta semplasciolatus	Checker Barb Chinese Green Barb	7				7	*	
										Crimese Cepter Darty	2	-	-			-	4
									Capoeta tetracoma	Tigor Barb	3	-	4	-	3		
	-		_	_		_	_			Tiger Barb	,	-	-	_	3	-	_
		1	2	3	4	5		7	Caprieta tetracima		1	2	3		3		1
Capoeta tilleya	Cherry Barb	1 2 12	2	3	4	5		7	Capriota tetracoma Belontia signala	Combtail Samese Fighting Fish	1 13 1	1	3	* :	5 5 1	•	1
Capoeta titleya Carassius auratus Ctenopharjagodon idella	Goldfish Grass Carp	1 2 12 5	2	3		5 1		1 4 5	Capoieta tetrazonia Belontia signata Betta splendens Trichogaster trichogaster	Combtail Sumese Fighting Fish Three-spot Gourami	1 13 1 5	1	3		5 5 1		,
Carassius awrotus Ctenopharyngodon idella Cyprinus carpio	Goldfish Grass Carp Carp - Koi, mirror, etc.	1 2 12 5 -49	2	3	* * * * * * * * * * * * * * * * * * * *	5 1 - 6 1	6	1 4	Capriota tetrezonia Belontia signata Betta splendens	Combtail Sumese Fighting Fish	1 13 1 5 6	2	3		5 5 1	6	7 8 2 3
Carassius aurotus Ctenopharyngodon idella Cyprinus carpio Epulzeorhyncus siamensis Garra sp.	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Louch	5	1	3		5 1		1 4 5	Belontia signata Betia signata Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthas enalenensis Salarias fasciatus	Combtail Sumese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carsary Blenny Algae Blenny	1 13 1 5 6 6 . 3	1			5 5 1		7 8
Carassius aurotus Ctenopharyngodon idella Cyprinus carpio Epulzeorhyncus siamensis	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox	5	2	3		5 1		1 4 5	Belontia signata Betin splendens Trichogaster trichogaster Leopadogaste sp. Mesiacanthus onalenensis Salarias fasciatus Blennius gattorugine Lipophrys pholis	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Canary Blenny Algae Blenny Tompot Blenny Shanny	1 13 1 5 6 - 3 20	2			5 5 1 		7 8
Carassius aurotus Ctenopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophihalmichthys molitris Leuciscus cephalus	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Louch Gudgeon Silver Carp Chub	5 -49 1 3 2 3 8	2	3		5 1	4	1 4 5 -43 -2 3 8	Belontia signala Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacardhus onalenensis Salarias fasciatus Blennius gattorugine Lapophrys pholis Gobiodon citrinus	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Canary Blenny Algae Blenny Tompot Blenny Shanny Saffron Goby	1 13 1 5 6 - 3 20 3 15	2			5 5 1 - 3 2 7 18 3 7		7 8
Carassius aurotus Cienopharyngodon idella Cyprima carpio Epulzeorhyncus siamensis Garra sp. Gobio gobio Hypophahalmichthys molitris	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp	5	2	3	* * * * * * * * * * * * * * * * * * * *	5 1		1 4 5 -43 - 2 3 8 10 1	Belontia signata Beta splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthus onalenensis Salarias fasciatus Blennius gottorugine Lipophrys photis Gobiodon citrimus Pomatoschistus microps Gobius niger	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carsay Blenny Algae Blenny Tompot Blenny Shanny Saffron Goby Common Goby Black Goby	3 15 14	2 2 6 6			5 5 1 - - 3 2 7 18 3 7		7 8
Carassius aurotus Ctenopharjangodos idella Cyprinus curpio Epidewortynicus siamensis Garra sp. Gobio gobio Hypophidalmichthys molures Leuciscus cephalus Leuciscus idus Leuciscus leuciscus Phoxinus phaxinus	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow	5 -49 1 3 2 3 8 10	2	3	* * * * * * * * * * * * * * * * * * * *	5 1	4	1 4 5 -43 - 2 3 8 10 1 -30	Belontia signata Betta splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthus onalenensis Salarias fasciatus Blennius gattorugine Lipophys pholis Gobiodon citrinus Pomatoschistus microps Gobius nager Gobius paganellus	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carsay Blenny Algae Blenny Tompot Blenny Shanny Saffron Goby Common Goby	3 15	2		*	5 5 1 - 3 2 7 18 3 7 4 8		7 8
Carassius aurotus Ctenopharjangodos idella Cyprinus carpio Epulzeorhyncus siamensis Garra sp. Gobio gobio Hypophahalmichthys molitris Leuciscus cepholus Leuciscus idus Leuciscus leuciscus	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chab Ide or Orfe Dace	5 -49 1 3 2 3 8 10 - 4 10 10	2	3	4	5 1	6 . 8	1 4 5 -43 -2 3 8 10 1 -30 10 6	Belontia signata Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthus onalenensis Salarias fasciatus Blennius gattorugine Lipophrys pholis Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Ptereleotris evides Nematelectris magnifica	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carary Blenny Algae Blenny Tompot Blenny Sharny Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fire Goby	3 15 14	2	*	*	5 5 1 - - 3 2 7 18 3 7 4 8 - 1		
Carassius aurotus Cienopharyngodon idella Cyprima carpio Epulzeorhyncus siamensis Garra sp. Gobio gobio Hypophahalmichthys molitris Leuciscus cephalus Leuciscus idus Leuciscus leuciscus Phoxinus phoximus Pieudenasbora parva Rasbora beropetensis Rasbora elegans	Goldfish Grass Carp Carp - Kot, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora	5 -49 1 3 2 3 8 10 - 4 10 10 10 12	2	3	4	5 1	* . *	1 4 5 -43 - 2 3 8 10 1 -30	Belontia signata Betia signata Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthat onalenensis Salarias fasciatus Blennius gattorugine Lipophys pholis Gobiodon citrinus Pomatoschistus microps Gobias rager Gobias paganellus Psereleotris evides	Combtail Sumese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carusy Blenny Algae Blenny Tompot Blenny Sharny Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby	3 15 14	2 2 6 6 6		*	5 5 1 - - 3 2 7 18 3 7 4 8 - 1 2		
Carassius aurotus Ctenopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophalamichthys molitres Leuciscus ephalus Leuciscus idus Leuciscus idus Leuciscus idus Phoximus phoximus Pseudorasbora parva Rasbora berapetensis Rasbora elegans Rasbora elegans Rasbora heteromorpha Ratilus rutilus	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Roach	5 -49 1 3 2 3 8 10 - 4 10 10 12 18 6	2 	3	* *	5 1 - 6 1 3 13 50	4	1 4 5 -43 - 2 3 8 10 1 -30 10 6 7 5 -56	Belontia signata Betta splendens Trichogaster trichogaster Leopadogaste sp. Mesacanthus onalenensis Salarias fasciatus Blennius gottorugine Lipophrys pholis Gobiodon citrimus Pomatoschistus microps Gobius paganellus Ptereleotris evides Nematelectris magnifica Valencienna puellaris Valencienna strigata Gobiusculus flavescens	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carsary Blenny Algae Blenny Tompot Blenny Sharmy Saffron Goby Common Goby Black Goby Torpedo Goby Torpedo Goby Fire Goby Orange-spot Goby Blue-checked Goby Two-spot Goby	3 15 14	2 2 6 6			5 5 1 - 3 2 7 18 3 7 4 8 - 1 2		
Carassius aurotus Ctenopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophalamichthys molitris Leuciscus ichis Leuciscus ichis Leuciscus leuciscus Phaxinus phaxinus Pseudorusbora parva Rusbora berapetensis Rusbora elegans Rusbora heteromorpha Rutilus rutilus Scardinius erythrophhalmus	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Louch Gudgeon Silver Carp Chub Ide or Orfe Duce Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Roach Rudd	5 -49 1 3 2 3 8 10 - 4 10 10 10 12 18		3	* *		4	1 4 5 -43 - 2 3 8 10 1 1 -30 10 6 7 5	Belontia signata Besu splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthus onalenensis Salarias fasciatus Blennius gattorugine Lipophrys pholis Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Psereleotris evides Nematelectris magnifica Valencienna puellaris Valencienna strigata	Combtail Sumese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carusy Blenny Algae Blenny Tompot Blenny Sharny Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fire Goby Orange-spot Goby Blue-cheeked Goby Two-spot Goby Sand Goby Mudskipper	3 15 14 22 3 -	2 2 6 6			5 5 1 - 3 2 7 18 3 7 4 8 - 1 2	6	14 3 3 2 2 6 1
Carassius aurotus Camopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophthalmichthyn molitres Leuciscus cephalus Leuciscus idus Leuciscus leuciscus Phoxinus phoximus Proxinus phoximus Proxinus phoximus Rasbora borapetensis Rasbora beteromorpha Rutilus rutilus Scardinius erythrophthalmus Tinca tinca Zacco sp.	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Roach Rudd Tench Zacco	5 -49 1 3 2 3 8 10 - 4 10 10 10 12 18 6 - -50 >26 1		3	* *	-50		1 4 5 -43 - 2 3 8 10 1 -30 10 6 7 5 -56 -50	Belontia signata Betia signata Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthat onalenensis Salarias fasciatus Blennius gattorius Blennius gattorius Pomatoschistus microps Gobias nager Gobias nager Gobias paganellus Psereleotris evides Nematelectris magnifica Valencienna puellaris Valencienna puellaris Valencienna fuenta Gobiasculus flavescens Pomatoscistus minutus Periophihalmus sp. Csenolabrus rupestris	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carsary Blenny Algae Blenny Tompot Blenny Sharmy Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fire Goby Orange-spot Goby Blue-checked Goby Two-spot Goby Sand Goby Madskipper Goldsinny Wrasse	3 15 14	2 2 6 6	*		5 5 5 1 - 3 2 7 18 3 7 4 8 - 1 2 - 1 7		
Carassius aurotus Cienopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophihalmichthys molitris Leuciscus cephalus Leuciscus leuciscus Phaxinus phaxinus Phaxinus phaxinus Pseudorasbora parva Rasbora borapetensis Rasbora beteromorpha Ratilus rutilus Scardinius erythrophthalmus Tinca tinca Zacco sp. Notropis lutrensis	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Duce Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Roach Rudd Tench	5 -49 1 3 2 3 8 10 - 4 10 10 10 12 18 6 -50		3	* *	-50	4	1 4 5 -43 - 2 3 8 10 1 -30 10 6 7 5 -56 -50 >24	Belontia signata Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacanshus onalenensis Salarias fasciatus Blennius gattorugine Lipophrys pholis Gobioson citrinus Pomatoschistus microps Gobius paganellus Ptereleotris evides Nematelectris magnifica Valencienna puellaris Valencienna striguta Gobiusculus flavescens Pomatoscistus minutus Periophilamus sp. Cienolabrus rupestris Labras bergolia	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Canary Blenny Algae Blenny Tompot Blenny Sharmy Saffron Goby Common Goby Black Goby Rock Goby Rock Goby Torpedo Goby Fier Goby Orange-spot Goby Blue-cheeked Goby Two-spot Goby Sand Goby Mudskipper Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse	3 15 14 22 3 -	2 2 6 6		*	5 5 1 - 3 2 7 18 3 7 4 8 - 1 2 - 1 7		14 3 3 2 2 6 1
Carassius aurotus Cienopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophihalmichthys molitres Leuciscus cephalus Leuciscus lehis Leuciscus lehis Leuciscus lehis Leuciscus lehis Leuciscus lehis Phazinus phazinus Pseudorasbora parva Rasbora borapetensis Rasbora berapetensis Rasbora elegans Rasbora elegans Rasbora heteromorpha Ratilus rutilus Scardinius erythrophihalmia Tinca tinca Zacco sp. Notropis lutrensis Cyprinodontiformes	Goldfish Grass Carp Carp - Kot, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Roach Rudd Tench Zacco Red Shiner	5 -49 1 3 2 3 8 10 - 4 10 10 10 12 18 6 - -50 >26 1 6		3	* * * * * * * * * * * * * * * * * * * *	-50	35(35)	1 4 5 -43 - 2 3 8 10 1 -30 10 6 7 5 -56 -50 >24	Belontia signata Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthat onalenensis Salarias fasciatus Blennius gottorugine Lipophrys pholis Cobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Ptereleotris evides Nematelectris magnifica Valencienna puellaris Valencienna strigata Gobiusculus flavescens Pomatoscistus minutus Periophikalmus sp. Cienolabrus rupestris Labroides dimidiatus	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carary Blenny Algae Blenny Tompot Blenny Sharny Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fier Goby Orange-spot Goby Blae-cheeked Goby Two-spot Goby Sand Goby Madskipper Goldsinny Wrasse Cleaner Wrasse	3 15 14 22 3 - - - 5 24 1	2	*		3 7 4 8 1 2		14 3 3 2 2 6 1
Carassius aurotus Ctenopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophalamichthys molitres Leuciscus cephalus Leuciscus idus Leuciscus idus Leuciscus idus Leuciscus idus Leuciscus idus Rustora beacuscus Phoximus phoximus Pseudorasbora parva Rustora berapetensis Rustora elegans Rustora elegans Rustora heteromorpha Rutilus rutilus Scardinius erythrophihalmus Tinca tinca Zacco sp. Notropis lutrensis Cyprinodontiformes Ameca splendens (EW) Pachypanchax omalonorus	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Duce Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Rudd Tench Zacco Red Shiner Butterfly Goodeid Madagascan Killifish	5 -49 1 3 2 3 8 10 - 4 10 10 10 12 18 6 - -50 >26 1 6	-100	3 · · · · · · · · · · · · · · · · · · ·	* *	-50 nr 1 6	8(8)	1 4 5 -43 2 3 8 10 1 -30 10 6 7 5 -56 -50 >24	Belontia signata Betta splendens Trichogaster trichogaster Leopadogaste sp. Mesacanthus onalenensis Salarias fasciatus Blennius gattorugine Lapophrys pholis Gobiodon citrinus Pomatoschistus microps Gobius paganellus Psereleotris evides Nematelectris magnifica Valencienna strigata Gobiusculus flavencens Pomatoscistus minutus Periophihalmus sp. Cienolabrus rupestris Labrus bergylia Labrus mistus Pseudochellmus hexataenia Symphodus melops	Combtail Siamese Fighting Fish Three-spot Gourani Shore-Clingfish/Comish Sucker Carusy Blenny Algae Blenny Tompot Blenny Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fier Goby Orange-spot Goby Blue-cheeked Goby Two-spot Goby Sand Goby Mudskipper Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cyjama Wrasse Pyjama Wrasse Corkwing Wrasse	3 15 14 22 3 - - - 5 24 1	1	*		3 7 4 8 - 1 2		14 3 3 2 2 6 1
Carassius aurotus Camopharyngodon idella Cyprima carpio Epulzeorhyncus siamensis Garra sp. Gobio gobio Hypophahalmichthyn molitres Leuciscus cephalus Leuciscus leuciscus Phoximus phaximus Phaximus phaximus Pseudinusbora parva Rusbora borapetensis Rusbora heteromorpha Ruthus ruthus Scardinius erythrophihalmus Tinca tinca Zacco sp. Notropis lutrensis Cyprinodontiformes Ameca splendens (EW) Pachypanchas omalononus Orycias celebensis S	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Duce Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Radd Tench Zacco Red Shiner	5 -49 1 3 2 3 8 10 - 4 10 10 10 12 18 6 - -50 >26 1 6		3 · · · · · · · · · · · · · · · · · · ·	* *	-50 nr 1 6		1 4 5 -43 -2 3 8 10 1 -30 10 6 7 5 -56 -50 >24 -	Belontia signata Besta splendens Trichogaster trichogaster Leopadogaste sp. Mesacanthus onalemensis Salarias fasciatus Blennius gatiorugine Lapophrys pholis Gobiodon citrinus Pomatoschistus microps Gobius paganellus Psereleotris evides Nematelectris magnifica Valencienna puellaris Valencienna strigata Gobiusculus flavescens Pomatoscistus minutus Periophihalmus sp. Cienolabrus rupestris Labrus bergilta Labrus hexpilta	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carsary Blenny Algae Blenny Tompot Blenny Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fier Goby Orange-spot Goby Blue-cheeked Goby Two-spot Goby Sand Goby Mudskipper Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Pyjama Wrasse	3 15 14 22 3 - - - 5 24 1 15 5 1	2 2 6 6			3 7 4 8 1 2		14 3 3 2 2 6 1
Carassius aurotus Cienopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophahalmichthys molitris Leuciscus cephalus Leuciscus leuciscus Phaxinus phaxinus Phaxinus phaxinus Pseudorasbora parva Rusbora borapetensis Rusbora elegans Rusbora heteromorpha Rustus rutius Scardinius erythrophthalmus Tinca tinca Zacco sp. Notropis lutrensis Cyprinodontiformes Ameca splendens (EW) Pachypanchax omalonotus Orysius celebensis S Poecilia nigrofasciata Poecilia reticulata	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Harlequin Rasbora Roach Rudd Tench Zacco Red Shiner Butterfly Goodeid Madagascan Killifish Sulawesi Medaka Black-barred Limia Guppy	5 -49 1 3 2 3 8 10 · 4 10 10 112 118 6 -50 >26 1 6 -160 22160 1 col.	-100	ne ne	* *	-50 nr 1 6 nr 1	8(8)	1 4 5 -43 - 2 3 8 10 1 -30 10 6 7 5 -56 -50 >24 -	Belontia signata Betia splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthat onalenensis Salarias fasciatus Blennius gattorugine Lipophrys pholis Cobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Ptereleotris evides Nematelectris magnifica Valencienna strigata Gobiusculus flavescens Pomatoscistus minutus Periophihalmus sp. Cienolabrus rupestris Labrus bergolia Labrus mistus Pseudocheilmus hexataenia Symphodus melops Pterosynchiropus splendidus Synchiropus picturatus Lo vulpinis	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carary Blenny Algae Blenny Tompot Blenny Sharmy Saffron Goby Stack Goby Rock Goby Torpodo Goby Fiee Goby Orange-spot Goby Blae-cheeked Goby Two-spot Goby Sand Goby Madskipper Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Pyjama Wrasse Corkwing Wrasse Mandarin Fish Spotted Mandarin Foxface	3 15 14 22 3 - - - 5 24 1 15 5 1	2	*		3 7 4 8 1 2		14 3 3 2 2 2 6 1 17 2 5 3 1 4 4 4 1
Carassius aurotus Cienopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophihalmichthys molitris Leuciscus cephalus Leuciscus leuciscus Phaxinus phaxinus Pseudorasbora parva Rasbora borapetensis Rasbora elegans Rasbora heteromorpha Ratilus rutilus Scardinius erythrophihalmus Tinca tinca Zacco sp. Notropis lutrensis Cyprinodontiformes Ameca splendens (EW) Pachypanchax omalonotus Orycias celebensis S Poecilia nigrofascusta Poecilia reticulata	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Roach Rudd Tench Zacco Red Shiner Butterfly Goodeid Madagascan Killifish Sulawesi Medaka Black-burred Limia Guppy Pitch-lake Guppy Crescent Zoe	5 -49 1 3 2 3 8 10 -4 10 10 10 12 18 6 -50 >26 -160	-100	nr	* *	-50 nr 1 6 nr 1	8(8)	1 4 5 -43 -2 3 8 10 1 -30 10 6 7 5 -56 -50 >24 - -	Belontia signata Betta splendens Trichogaster trichogaster Leopadogaste sp. Mesacanthus onalenensis Salarias fasciatus Blennius gattorugine Lapophrys pholis Gobiodon citrinus Pomatoschistus microps Gobius paganellus Psereleotris evides Nematelectris magnifica Valencienna striguta Gobiusculus flavencens Pomatoscistus minutus Periophihalmus sp. Cienolabrus rupestris Labrus bergylia Labrus mostus Pseudocheilmus hexataenia Symphodus melops Pterosynchiropus splendidus Synchiropis picturatus Lo vulpinis Lepomis gibosus Lepomis gibosus Lepomis gibosus Lepomis gibosus	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Canary Blenny Algae Blenny Tompot Blenny Sharny Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fier Goby Orange-spot Goby Blue-cheeked Goby Two-spot Goby Sand Goby Mudskipper Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Pyjama Wrasse Corkwing Wrasse Mandarin Fish Spotted Mandarin Foxface Pumpkinseed Warmouth Bass	3 15 14 22 3 - - - 5 24 1 15 5 1	2 2 6 6 6	*		3 7 4 8 1 2		14 3 3 2 2 6 1
Carassius aurotus Cienopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophahalmichthys molitris Leuciscus cephalus Leuciscus leuciscus Phaxinus phaxinus Phaxinus phaxinus Pseudorasbora parva Rusbora borapetensis Rusbora elegans Rusbora heteromorpha Rustus rutius Scardinius erythrophthalmus Tinca tinca Zacco sp. Notropis lutrensis Cyprinodontiformes Ameca splendens (EW) Pachypanchax omalonotus Orysius celebensis S Poecilia nigrofasciata Poecilia reticulata	Goldfish Grass Carp Carp - Kot, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Harlequin Rasbora Roach Rudd Tench Zacco Red Shiner Butterfly Goodeid Madagascan Killifish Sulawesi Medaka Black-barred Limia Guppy Pitch-lake Guppy	5 -49 1 3 2 3 8 10 · 4 10 10 112 18 6 -50 >26 1 6 -160 22160 1 col620	-100	ne ne	* *	-50 nr 1 6 nr 1	8(8)	1 4 5 -43 -2 3 8 10 1 -30 10 6 7 5 -56 -50 >24 -	Belontia signata Betta splendens Trichogaster trichogaster Leopadogaste sp. Mesacanthus onalenensis Salarias fasciatus Blennius gattorugine Lapophrys pholis Gobiodon citrinus Pomatoschistus microps Gobius paganellus Psereleotris evides Nematelectris magnifica Valencienna striguta Gobiusculus flavencens Pomatoscistus minutus Periophihalmus sp. Cienolabrus rupestris Labrus bergylia Labrus mostus Pseudocheilmus hexataenia Symphodus melops Pterosynchiropus splendidus Synchiropis picturatus Lo vulpinis Lepomis gibbasis Lepomis gibbasis Lepomis gibasis Lepomis gibasis Lepomis gibasis Lepomis megalotis	Combtail Siamese Fighting Fish Three-spot Gourani Shore-Clingfish/Comish Sucker Carusy Blenny Algae Blenny Tompot Blenny Saffron Goby Common Goby Black Goby Rock Goby Rock Goby Torpedo Goby Fier Goby Orange-spot Goby Blue-cheeked Goby Two-spot Goby Sand Goby Mudskipper Goldsinny Wrasse Ballan Wrasse Cleaner Wrasse Ballan Wrasse Cyjama Wrasse Pyjama Wrasse Corkwing Wrasse Mandarin Fish Spotted Mandarin Foxface Pumpkinseed Warmouth Bass Long-eared Sunfish	3 15 14 22 3 - - - 5 24 1 15 5 1	2 2 6 6			3 7 4 8 1 2		14 3 3 2 2 2 6 1 17 2 5 3 1 4 4 4 1 1
Carassius aurotus Ctenopharyngodon idella Cyprima carpio Epalzeorhyncus siamensis Garra sp. Gobio gobio Hypophalamichthys molitres Leuciscus cephalus Leuciscus leuciscus Phaxinus phaxinus Pseudorasbora parva Rasbora borapetensis Rasbora berapetensis Rasbora elegans Rasbora heteromorpha Ratilus rutilus Scardinius erythrophilalmus Tinca tinca Zacco sp. Notropis lutrensis Cyprinodontiformes Ameca splendens (EW) Pachypanchas omalonotus Orycias celebensis S Poecilia nigrofasciala Poecilia reticulata	Goldfish Grass Carp Carp - Koi, mirror, etc. Flying Fox Chinese Loach Gudgeon Silver Carp Chub Ide or Orfe Dace Minnow Clicking Barb Red-tailed Rasbora Elegant Rasbora Harlequin Rasbora Harlequin Rasbora Roach Rudd Tench Zacco Red Shiner Butterfly Goodeid Madagascan Killifish Sulawesi Medaka Black-burred Limia Guppy Pitch-lake Guppy Crescent Zoe Four-eyed Fish	5 -49 1 3 2 3 8 10 · · · · · · · · · · · · · · · · · ·	-100 -100 -100 -100 -17	ne ne	* * * * * * * * * * * * * * * * * * * *	-50 . nr 1 6 mr 1 nr nr nr nr 4	8(8)	1 4 5 -43 -2 3 8 10 1 -30 10 6 7 5 -56 -50 >24 - -	Belontia signata Betta splendens Trichogaster trichogaster Leopadogaste sp. Meiacanthat onalenensis Salarias fasciatus Blennius gattorugine Lipophrys pholis Gobiodon citrinus Pomatoschistus microps Gobius paganellus Psereleotris evides Nematelectris magnifica Volencienna strigata Gobiusculus flavescens Pomatoscistus minutus Periophihalmus sp. Csenolabrus rupestris Labrus mixtus Periophihalmus sp. Csenolabrus rupestris Labrus mixtus Pseudocheilmus hexataenia Symphodus melops Pterasynchiropus splendidus Synchiropis picturatus La vulpnis Lepomis gibbasus Lepomis gibbasus Lepomis gibbasus Lepomis megalotis Siniperca chuatus Chaetodon falcula	Combtail Siamese Fighting Fish Three-spot Gourami Shore-Clingfish/Comish Sucker Carsary Blenny Algae Blenny Tompot Blenny Sharmy Saffron Goby Common Goby Black Goby Rock Goby Torpedo Goby Fire Goby Orange-spot Goby Blue-checked Goby Two-spot Goby Sand Goby Madskipper Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Pyjama Wrasse Mandarin Fish Spotted Mandarin Foxface Pumpkinseed Warmouth Bass Long-eared Sunfish Chinese Perch Falcula Butterflyfish	3 15 14 22 3 - - - 5 24 1 15 5 1	2 2 6 6 1 5 2 2 6 1 18 4 2 1 18			3 7 4 8 1 2		14 3 3 2 2 2 6 1 17 2 5 3 1 4 4 4 1 1
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Partial mirability Polynesian Tree Saail mai/ 00/4 ID ARACHNIDA	Synodontis clarias Synodontis clarias Seriatophora hystrix Pavona decussata Hydnophora sp. Zoanihus sp. ECHINODERMATA Diadema septosum Protoreaster lincki Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Asteria gibbosa Pseudocolchirar violaceus Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudo medicinalis (RT) Polychaeta Sabella pavona Feathes MOLLUSCA Gastropoda (figures reported for Partula, Somo Berghia verucicornis Euglardina rosea Puchnodus fregatensis Pomacea palludosa Achatina orbatina Achatina fullica Archachatina marginata Strophochellus oblongus Purula affinis (EW) Partula faba (EW) Partula faba (EW) Partula gibba (CR) Partula hyalina (CR)	Hard Coral Zoarshid Long-spined Sea Urchin Crimson-knobbled Starfish Brittle Star Green Brittlestar Cushion Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Medicinal Leech Duster Worm Once, Diplomorpha and Trochomor, Nudibranch Predatory Snail Fregate Island Enid Snail Apple Snail Giant Land Snail Giant Land Snail Giant Land Snail Holynesian Tree Snail Polynesian Tree Snail	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of the	ner	0/0/1 0/0/1 0/0/1 0/0/8 0/0/1 0/0/8 0/0/12 0/0/2 0/0/1 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/18 0/0	ID ID ID ID IN	Liardetia normalis Astrae tectum Turbo castamens Planorbis sp. Lymnaea sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna derasa Ambiema plicata Lampsilis cardium Tritogonia verrucosa Ellipsio dilatata Quadrula quadrula Mystius edulis Pecten maximus CRUSTACEA Malacostraca Birgus latro Coenobita clypeatus Cardiosoma sp. Cancer pagurus Carcinus maenas Maia squinado Dardema megistos Pagurus sp!Eupagarus sp. Pylopagurus sp. Goneplas rhomboides Angulus Homarus gammarus Galatiea strigosa Limulus polythemus Lyamata debelius	Tahitian Tree Snail Super Turbo Snail Turbo Snail Ramshorn Snail Periwinkle Common Cutflefish Common Octopus Giant Clam Giant Clam Giant Clam Threeridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Mapleleaf Mussel Coastal Mussel Coastal Mussel Oreat Scallop Robber Crab Land Hermit Crab African Blue River Crab Edible Crab Spider Crab Red Hairy Hermit Crab Native Shore Hermit Crab Native Shore Hermit Crab Crab American Lobster Squat Lobster Horseshoe Crab Peppermint Shrimp Blood Shrimp Cleaner Shrimp	1 66 67 20 50 30 20 20 4 1 1 1 2 6 6 6	ter	3		5 MT	6 00/2 0/0/65 0/0/0/65 0/0/65 0/0/65 0/0/65 0/0/65 0/0/65 0/0/65 0/0/65 0/0/65 0/0/65 0/0/65 0/0/65	TOR UM AM IM
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Partials modosus (EW) Polymesian Tree Snail	Sylophora postilata Seriatophora hystra: Pavora decussata Hydrophora sp. Zoandus sp. ECHINODERMATA Diadema septosum Protoreaster lancki Ophiomastic jamualis Asteria gibbosa Preudocolchirar violocus Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudo medicinalis (RT) Polychaeta Sabella pavona Feather MOLLUSCA Gastropoda (figures reported for Partula, Samo Berghia verucicomis Euglandina rosea Pachnodus fregatensis Pomacea palludosa Achatina falica Archachatina marginata Strophochelius oblorgus Partula affinis (EW) Partula falica (CR) Partula faloa (EW) Partula faloa (EW) Partula labrusca (EW) Partula labrusca (EW) Partula mirabilis	Hard Coral Zoarshid Long-spined Sea Urchin Crimson-knobbled Starfish Brittle Star Green Brittlestar Cushion Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Medicinal Leech Duster Worm Medicinal Enid Snail Apple Snail Fregate Island Enid Snail Apple Snail Giant Land Snail Giant Land Snail West African Giant Land Snail Moga Snail Polynesian Tree Snail	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of the	ner	0/0/1 0/0/1 0/0/4 0/0/8 0/0/12 0/0/2 0/0/2 0/0/12 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/18 0/0/13 0/0/18 0/0/13 0/0/18 0	IN IN IN IM	Liardetia normalia Astrae sectum Turbo castamens Planorbis sp. Lymnara sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna crocea Tridacna derasa Amblema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilatata Quadrula quadrula Mystlus edulis Pecten maximus CRUSTACEA Malacostraca Birgus latro Coenobita clypeatus Cardiusoma sp. Cancer pogurus Cardiusoma sp. Cancer pogurus Carcinus macnas Maia squinado Dardama megistos Pagurus sp/Eupagarus sp. Pylopogurus sp. Goneplax rhomboides Angulus Homarus gammarus Galathea strigosa Limulus polythemus Lysmata ambionensis Austropotamobius pallipes (VU) Cherax destructor	Tahitian Tree Snail Super Turbo Snail Turbo Snail Ramshorn Snail Periwinkle Common Cutfiefish Common Octopus Giant Clarn Giant Clarn Giant Clarn Giant Clarn Threeridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Maplelaf Mussel Coastal Hermit Crab African Blue River Crab Edible Crab Shore Crab Spider Crab Rod Hairy Hermit Crab Native Shore Hermit Crab Native Shore Hermit Crab American Lobster Squat Lobster Horseshoe Crab Peppermint Shrimp Blood Shrimp Cleaner Shrimp White-clawed Crayfish	1 66 67 20 50 30 20	ter	3		5 MT	6 00/2 0/0/65 0/0/10 0/0/50 0/	TOR UM AM IM
Partula radiolata (CR) Polynesian Tree Snail - na/6 0/0/2 UD Avicularia avicularia (CR) Pintula radiolata (CR) Polynesian Tree Snail - na/6 0/0/3 UD Avicularia sp. Bird-eating Spider 135 83 50 -/2 - UD Brachige autratian stripens (EW) Polynesian Tree Snail - na/1 0/0/3 UM Brachypelina autratian stripens (EW) Polynesian Tree Snail - na/4 0/0/3 UM Brachypelina autratian stripens (EW) Polynesian Tree Snail - na/4 0/0/3 UM Brachypelina autratian similaria stripens (EW) Polynesian Tree Snail - na/4 0/0/3 UM Brachypelina autratian similaria simil	Sylophora postilata Seriatophora hyatra: Pavora decussata Hydrophora sp. Zoanthus sp. ECHINODERMATA Diadena septosum Protoreaster lancki Ophiomastic jamualis Ophiomastic jamualis Ophiomastic jamualis Ophiomastic jamualis Ophiomastic jamualis Asteria gibbosa Pseudocolchirar violaceus Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudo medicinalis (RT) Polychaeta Sobella pavona Feathes MOLLUSCA Gastropoda (figures reported for Partula, Samo Berghia verucicornis Euglandina rosea Puchnodus fregatensis Pomacea palludosa Achatina fulca Archachatina marginata Serophochelus oblorgus Partula affinis (EW) Partula clara (CR) Partula dentifera (EW) Partula faba (EW) Partula lirata Fijian Partula inrabilis Partula mirabilis Partula mirabilis Partula mirabilis Partula mirabilis Partula mirabilis Partula mirabilis	Hard Coral Zoarshid Long-spined Sea Urchin Crimson-knobbled Starfish Brittle Star Green Brittlestar Cushion Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Medicinal Leech Duster Worm Medicinal Lead Snail Apple Snail Fregate Island Enid Snail Apple Snail Giant Land Snail Giant Land Snail West African Giant Land Snail Mega Snail Polynesian Tree Snail	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of ti	ner	0/0/1 0/0/1 0/0/4 0/0/8 0/0/1 0/0/8 - 0/0/12 0/0/2 0/0/1 0/0/16 - 0/0/16 - 0/0/16 - 0/0/16 - 0/0/16 0/0/13 0/0/17 0/0/18 0/0/13 0/0/14 0/0/15 0/0/13 0/0/14 0/0/15 0/0/0/15 0/0/0/15 0/0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0	IN IN IN IM	Liardetia normalia Astrae sectum Turbo castamens Planorbis sp. Lymnara sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna crocea Tridacna derasa Amblema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilatata Quadrula quadrula Mystlus edulis Pecten maximus CRUSTACEA Malacostraca Birgus latro Coenobita clypeatus Cardiusoma sp. Cancer pogurus Cardiusoma sp. Cancer pogurus Carcinus macnas Maia squinado Dardama megistos Pagurus sp/Eupagarus sp. Pylopogurus sp. Goneplax rhomboides Angulus Homarus gammarus Galathea strigosa Limulus polythemus Lysmata ambionensis Austropotamobius pallipes (VU) Cherax destructor	Tahitian Tree Snail Super Turbo Snail Turbo Snail Ramshorn Snail Periwinkle Common Cutfiefish Common Octopus Giant Clarn Giant Clarn Giant Clarn Giant Clarn Threeridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Maplelaf Mussel Coastal Hermit Crab African Blue River Crab Edible Crab Shore Crab Spider Crab Rod Hairy Hermit Crab Native Shore Hermit Crab Native Shore Hermit Crab American Lobster Squat Lobster Horseshoe Crab Peppermint Shrimp Blood Shrimp Cleaner Shrimp White-clawed Crayfish	1 66 67 20 50 30 20	ter	3		5 MT	6 00/2 0/0/65 0/0/10 0/0/50 0/	TOR UM AM IM
Partula rotes (CR) Polynesian Tree Snail	Synodontis clarias Synodontis clarias Seriatophora hystrix Pavona decussata Hydnophora sp. Zoanthis sp. ECHINODERMATA Diadena septosian Protoreaster lancki Ophiomastix janualis Ophiomastix janualis Ophiomastix janualis Ophiomastix janualis Asteria gibbosa Pseudocolchirar violaceus Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudo medicinalis (RT) Polychaeta Sabella pavona Feathes MOLLUSCA Gastropoda (figures reported for Partula, Samo Berghia verucicornis Euglandina rosea Puchnodus fregatensis Pomacea palludosa Achatina orbatina Achatina officia Archachatina marginata Serophocheilus oblongus Purula affinis (EW) Partula densifera (EW) Partula densifera (EW) Partula labrisca (EW) Partula mirabilis Partula mirabilis Partula moreana (EW) Partula nodosa (EW) Partula nodosa (EW) Partula nodosa (EW) Partula nodosa (EW)	Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Zoarshid Long-spined Sea Urchin Crimson-knobbled Starfish Brittle Star Green Brittlestar Cushion Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Medicinal Leech Duster Worm Medicinal Fregate Island Enid Snail Apple Snail Giant Land Snail Giant Land Snail Giant Land Snail Holynesian Tree Snail Polynesian Tree Snail	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of ti	ner	0/0/1 0/0/1 0/0/1 0/0/8 0/0/1 0/0/8 0/0/12 0/0/2 0/0/2 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/18 0/0/13 0/0/18	IN IN IN IM	Liardetia normalia Astrae sectum Turbo castamens Planorbis sp. Lymnaea sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna crocea Tridacna derasa Amblema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilatata Quadrula quadrula Mystus edelis Pecten maximus CRUSTACEA Malacostraca Birgus latro Coenobita clypeatus Cardiusoma sp. Cancer pagurus Cardiusoma sp. Cancer pagurus Carcinus maenas Maia squinado Dardama megistos Pagurus sp/Eupagarus sp. Pylopagurus sp. Goneplax rhomboldes Angular Homarus gammarus Galathea strigosa Limulus polythemus Lysmata ambionensis Austropotamobius pallipes (VU) Cherat destructor ARACHNIDA	Tahitian Tree Snail Super Turbo Snail Turbo Snail Ramshorn Snail Periwinkle Common Cutfiefish Common Octopus Giant Clarn Giant Clarn Giant Clarn Giant Clarn Threeridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Maplelaf Mussel Coastal Hermit Crab African Blue River Crab Edible Crab Shore Crab Spider Crab Rod Hairy Hermit Crab Native Shore Hermit Crab Native Shore Hermit Crab American Lobster Squat Lobster Horseshoe Crab Peppermint Shrimp Blood Shrimp Cleaner Shrimp White-clawed Crayfish	1 66 67 20 50 30 20	ter	3		5 MT	6 00/2 0/0/55 0/	TOR UM AND UM UM UM AND UM
Partula suturalis striposa (EW) Polynesian Tree Snail	Synodontis clarius Synodontis clarius Seriatophora hystra: Pavona decussata Hydnophora sp. Zoanihus sp. ECHINODERMATA Diadema septesum Protoreaster lincki Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Asteria gibbosa Pseudocolchira violocius Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudinea Hirudo medicinalis (RT) Polychaeta Sabella povona Feather MOLLUSCA Gastropoda (figures reported for Partula, Somo Berghia verucicornis Englandina rosea Puchnodus fregatensis Pomocea polludosa Achatina ochatina Achatina fulica Archachatina marginata Strophochelius oblongus Purtula affinis (EW) Partula densfera (EW) Partula densfera (EW) Partula jabia (CR) Partula labrusca (EW) Partula labrusca (EW) Partula mirabilis Partula moriema (EW) Partula nodosa (EW) Partula otaheitana (CR)	Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Zoarshid Long-spined Sea Urchin Crimson-knobbled Starfish Britle Star Green Brittlestar Cushion Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Once, Diplomorpha and Trochomor, Nudibranch Predatory Snail Fregate Island Enid Snail Apple Snail Giant Land Snail Giant Land Snail Giant Land Snail Holynesian Tree Snail Polynesian Tree Snail	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of ti	ner	0/0/1 0/0/1 0/0/4 0/0/8 0/0/12 0/0/2 0/0/12 0/0/2 0/0/12 0/0/2 0/0/13 0/0/14 0/0/18 0/0/13 0/	UN U	Liordetia normalis Astrae tectum Turbo castamens Planorbis sp. Lymnaea sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna derasa Amblema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilatata Quadrula quadrula Mystius edulis Pecten maximus CRUSTACEA Malacostraca Birgua latro Coenobia clypeatus Cardiosoma sp. Cancer pagurus Carcinus maenas Maia squinado Dardama megistos Pagurus spliupagarus sp. Pylopagurus sp. Goneplax rhomboides Angular Homarus gammarus Galathea strigosa Limusa polythemis Lysmata debelius Lysmata polythemis	Tahitian Tree Snail Super Turbo Snail Turbo Snail Ramshorn Snail Periwinkle Common Cutflefish Common Octopus Giant Clam Giant Clam Giant Clam Threeridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Mapleleaf Mussel Coastal Mussel Coastal Mussel Coastal Mussel Coastal Mussel Edible Crab Shore Crab Land Hermit Crab African Blue River Crab Edible Crab Shore Crab Spider Crab Red Hairy Hermit Crab Native Shore Hermit Crab Native Shore Hermit Crab Crab American Lobster Squat Lobster Horseshoe Crab Peppermint Shrimp Blood Shrimp Cleaner Shrimp White-clawed Crayfish Yabby Crayfish	1 66 67 20 50 30 20	ter	3	20 3 3	5 mil tr . 13	6 00/2 0/0/55 0/	TOR UM AM IM
Partula suturalis mixed ssp. Polymesian Tree Snail - na/8 0/0/11 I/N Brachypelma pallulum Mexican Rose Partula toeniata simulani (EW) Polymesian Tree Snail - na/7 0/0/120 I/B Brachypelma pallulum Bird-eating Spider 1/1 I/M Brachypelma smithi Red-kneed Bird-eating Spider 1/1 I/M A/11 I/M Red-kneerd Bird-eating Spider 1/1 I/M A/11 I/M Red-kneerd Bird-eating Spider 1/1 I/M A/11 I/M Brachypelma vagans Red-numped Bird-eating Spider 0/2 I/M Brachypelma vagans Red-numped Bird-eating Spider 0/2 I/M Brachypelma bicolouronum Black-&-erange Bird-eating Spider 1/0 I/M Brachypelma kloasi Pirk Furry-leg Samoana attenuata (EN) Marguesan Tree Snail I/D Brachypelma kloasi Pirk Furry-leg Samoana ganymedes Marquesan Tree Snail I/D Unidennified theraphosid species Unidennified theraphosid species Unidennified theraphosid species Bird-eating Spider 1 0/1 I/M Diplomorpha delatouri Vanuatu Snail 1/10 I/M Brachypelma kloasi Spider 1 0/1 I/M Brachypelma kloasi Spider 1 0/1 I/M Brachypelma kloasi Spider 1 0/1 I/M Samoana ganymedes Marquesan Tree Snail 1/10 I/M Diplomorpha delatouri Vanuatu Snail 1/10 I/M Brachypelma kloasi Spider 1 0/1 I/M Brachy	Synodontis clarias Sylophora postiliata Seriatophora hystrix Pavona decussata Hydnophora sp. Zoandhis sp. ECHINODERMATA Diadena septosum Protoreaster lancki Ophiomastis jamualis Asteria gibbosa Presidocolchirar violaceus Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudo medicinalis (RT) Polychaeta Sabella pavona Feather MOLLUSCA Gastropoda (figures reported for Partula, Samo Berghia verucicornis Euglandina rosea Pachnodus fregatensis Pomacea palludosa Achatina achatina Achatina orietina Achatina officia Srophochelius oblorigus Partula affinis (EW) Partula faba (EW) Partula densifera (EW) Partula faba (EW) Partula hyalina (CR) Partula mirabilis Partula mirabilis Partula mirabilis Partula mirabilis Partula moreana (CR) Partula nodosa (EW) Partula nodosa (CR) Partula rosea (CR) Partula rosea (CR) Partula rosea (CR)	Hard Coral Zoanthid Long-spined Sea Urchin Crimson-knobbled Starfish Brittle Star Green Brittlestar Cushion Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Medicinal Erid Snail Folynesian Tree Snail Polynesian Tree Snail	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of ti	ner	0/0/1 0/0/1 0/0/1 0/0/4 0/0/8 0/0/12 0/0/2 0/0/2 0/0/1 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/18 0/0/13 0/0/18 0/0/13 0/0/18 0/0	IN IN IN IN IM	Liardetia normalis Astrae tectum Turbo castamens Planorbis sp. Lymnaea sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna derasa Amblema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilatata Quadrula quadrula Mystlus edulis Pecten maximus CRUSTACEA Malacostraca Birgus latro Coenobita clypeatus Cardiusoma sp. Cancer pagurus Cardiusoma sp. Cancer pagurus Cardiusoma sp. Cancer pagurus sp. Pagurus splEupagarus sp. Pylopagurus sp. Goneplax rhomboides Angulus Homarus gammarus Galatnea strigona Limulus polytemus Lysmata debelius Lysmata rathunae Lysmata debelius Lysmata polytemus Lysmata polytemus Lysmata debelius Lysmata debelius Lysmata debelius Lysmata polytemus Lysmata polytemus Lysmata polytemus Lysmata debelius Lysmata debelius Lysmata polytemus	Tabitian Tree Snail Super Turbo Snail Turbo Snail Ramshorn Snail Periwinkle Common Cutfiefish Common Octopus Giant Clam Giant Clam Giant Clam Threeridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Maplelaf Mussel Coastal Mussel Coastal Mussel Coastal Mussel Coastal Mussel Bible Crab Land Hermit Crab African Blue River Crab Edible Crab Spider Crab Rod Hairy Hermit Crab Native Shore Hermit Crab Native Shore Hermit Crab American Lobster Squat Lobster Horseshoe Crab Peppermint Shrimp Blood Shrimp Blood Shrimp Cleaner Shrimp White-clawed Crayfish Yabby Crayfish	1 66 67 20 50 30 20	ter	3	20 3 3	5 mil tr . 13	6 00/2 0/0/65 0/0/10 0/0/50 0/	TO UM AM IM IM IN
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Partials tristis (EW) Polymesian Tree Snail	Synodontis clarius Synodontis clarius Seriatophora hystrix Pavona decussata Hydnophora sp. Zoanthus sp. ECHINODERMATA Diadema septosum Protoreaster lancki Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Asteria gibbosa Pseudocolchirus violaceus Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudo medicinalis (RT) Polychaeta Sabella pavona Feathes MOLLUSCA Gastropoda (figures reported for Partula, Same Berghia verucicornis Euglandina rosea Puchnodus fregatensis Pomacea palludosa Achatina ochatina Achatina officia Archachatina marginata Serophocheilus oblongus Purula affinis (EW) Partula densifera (EW) Partula densifera (EW) Partula libraica (EW) Partula libraica (EW) Partula libraica (EW) Partula mirabilis Partula mirabilis Partula mirabilis Partula moreana (EW) Partula nodosa (EW) Partula suturalis strigosa (EW) Partula suturalis mixed ssp.	Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Zoarshid Long-spined Sea Urchin Crimson-knobbled Starfish Brittle Star Green Brittlestar Cushino Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Medicinal Leech Medicinal Leech Medicinal Leech Medicinal Leech Duster Worm Medicinal Leech Duster Worm Medicinal Leech Duster Worm Medicinal Leech Medicinal Leech Duster Worm Medicinal Leech Duster Worm Medicinal Leech Duster Worm Medicinal Leech Medicinal Leech Medicinal Leech Duster Worm Medicinal Leech Dus	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of ti	ner	0/0/1 0/0/1 0/0/1 0/0/8 0/0/1 0/0/8 0/0/12 0/0/2 0/0/12 0/0/12 0/0/12 0/0/16 - 0/0/16 - 0/0/16 - 0/0/16 - 0/0/16 - 0/0/18 0/0/13 0/0/18	IN IN IN IN IN IM	Liardetia normalia Asirae sectum Turbo castamens Planorbis sp. Lymnaea sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna crocea Tridacna derasa Ambiema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilatata Quadrula quadrula Mystlus edulis Pecten maximus CRUSTACEA Malacostraca Birgua latro Coenobita clypeatus Cardiosoma sp. Cancer pagurus Cardiosoma sp. Cancer pagurus sp. Cancer pagurus sp. Cancer pagurus sp. Goneplas rhomboides Angulas Homarus gammarus Galathea strigosa Limulus polythemis Lysmata debelius Lysmata debelius Lysmata ambionensis Austroposamobius pallipes (VU) Cherat destructor ARACHNIDA Arancae Avicularia avicularia Avicularia tp. Brachypelma emilia	Tabitian Tree Snail Super Turbo Snail Turbo Snail Turbo Snail Periwinkle Common Cutfiefish Common Octopus Giant Clam Giant Clam Giant Clam Giant Clam Threeridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Spike Mussel Coastal Mussel Great Scallop Robber Crab Land Hermit Crab African Blue River Crab Edible Crab Shore Crab Spider Crab Spider Crab Native Shore Hermit Crab Red-legged Hermit Crab Crab American Lobster Squat Lobster Horseshoe Crab Peppermint Shrimp Blood Shrimp Cleaner Shrimp White-clawed Crayfish Yabby Crayfish Pink-toed Bird-eating Spider Bird-eating Spider Red-legged Bird-eating Spider Red-legged Bird-eating Spider Red-legged Bird-eating Spider	1 66 67 20 50 30 20	ter	3	20 3 3	5 mil tr . 13	6 00/2 0/06/5 0/06/5 0/07/5 0/	THE UMAN AND DED IN
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Partala piblo (CR)	Sylophora postiliata Seriatophora hystrix Pavona decussata Hydnophora sp. Zoanihus sp. ECHINODERMATA Diadema septosum Protoreaster lincki Ophiomastix jamualis Ophiarachna incrassata Asteria gibbona Pseudocolchirus violaceus Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudo medicinalis (RT) Polychaeta Sabella pavona Feather MOLLUSCA Gastropoda (figures reported for Partula, Samo Berghia verucicornis Englandina rasea Puchnodus fregatensis Pomacea palludosa Achatina dilea Archachatina marginata Strophochelus oblorigus Purula affinis (EW) Partula clara (CR)	Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Zoarshid Long-spined Sea Urchin Crimson-knobbled Starfish Brittle Star Green Brittlestar Cushion Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm and Trochomory Nudibrasch Predatory Snail Fregate Island Enid Snail Apple Snail Giant Land Snail Giant Land Snail Mega Snail Polynesian Tree Snail Polynesian Tree Snail	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of the	ner	0/0/1 0/0/1 0/0/4 0/0/8 0/0/1 0/0/8 0/0/12 0/0/2 0/0/1 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/18 0/0/13 0/0/18 0/0/18	UN U	Liardetia normalis Astrae tectum Turbo castaneus Planorbis sp. Lymnaea sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna crocea Tridacna derasa Ambiema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilattia Quadrula quadrula Mysilus edulis Pecten maximus CRUSTACEA Malacostraca Birgus latro Coenobita chypeatus Cardiusoma sp. Cancer pagurus Cardiusoma sp. Cancer pagurus Carcinus maenas Mosa squinado Dardana megistos Pagurus spl'Engagarus sp. Pylopagurus sp. Goneplax rhomboides Angulas Homarus gammarus	Tahitian Tree Snail Super Turbo Snail Turbo Snail Ramshorn Snail Periwinkle Common Cutfiefish Common Octopus Giant Clam Giant Clam Giant Clam Giant Clam Threeridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Mapleas Mussel Coastal Mu	1 66 67 20 50 30 20 - 1 1 1 2 4 1 1 1 2 6 6 6	ter	3		5 mil tr . mi	6 00/2 0/0/65 0/0/65 0/0/10 0/0/30 0/0/0/30 0/0/30 0/0/30 0/0/30 0/0/30	IN I
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Partulal fathrasca (EW)	Synodontis clarias Sylophora pistiliata Seriatophora hyatra: Pavona decussata Hydnophora sp. Zoanthies sp. ECHINODERMATA Diadena septosum Protoreaster lancki Ophiomastis jamualis Ophiomastis jamualis Ophiomastis jamualis Ophiomastis jamualis Ophiomastis jamualis Asteria gibbosa Pseudocolchirar violaceus Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudo medicinalis (RT) Polychaeta Sobella pavona Feathes MOLLUSCA Gastropoda (figures reported for Partula, Samo Berghia verucicornis Euglandina rasea Puchnodus fregatensis Pomacea palludosa Achatina fulca Archachatina marginata Strophochelus oblorgus Purtula affinis (EW) Partula densipra (EW) Partula faba (EW) Partula gibba (CR)	Hard Coral Zoarshid Long-spined Sea Urchin Crimson-knobbled Starfish Brittle Star Green Brittlestar Cushino Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Medicinal Leech Duster Worm Medicinal Lead Snail Apple Snail Giant Land Snail Giant Land Snail Giant Land Snail West African Giant Land Snail Polynesian Tree Snail	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of the	ner	0/0/1 0/0/1 0/0/4 0/0/8 0/0/1 0/0/8 - 0/0/12 0/0/2 0/0/1 0/0/16 - 0/0/16 - 0/0/16 - 0/0/16 - 0/0/16 - 0/0/16 - 0/0/13 0/0/2 0/0/2 0/0/2 0/0/2 0/0/3 - 0/0/1 0/0/8 - 0/0/1 0/0/8 - 0/0/1 0/0/2 0/0/2 0/0/1 0/0/2 0/0/1 0/0/2 0/0/2 0/0/1 0/0/2 0/0/1 0/0/2 0/0/2 0/0/1 0/0/2 0/0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0/2 0/0/0/2 0/0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	IN IN IN IN IN IN IN IM	Liardetia normalia Astrae tectum Turbo castameus Planorbis sp. Lymnara sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna crocea Tridacna derasa Amblema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilatata Quadrula quadrula Mystlus edulis Pecten maximus CRUSTACEA Malacostraca Birgus latro Coenobias clypeatus Cardiusoma sp. Cancer pagurus Carcinus macnas Adaia squinado Dardana megistos Pagurus splEupagarus sp. Pylopagurus sp. Goneplax rhomboides Angulus Homarus gammarus Galathea strigosa Limulus polythemus Lysmata rathbunae	Tabitian Tree Snail Super Turbo Snail Turbo Snail Turbo Snail Ramshorn Snail Periwinkle Common Cutfiefish Common Octopus Giant Clam Giant Clam Giant Clam Threeridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Spike Mussel Coastal Mussel Great Scallop Robber Crab Land Hermit Crab African Blue River Crab Edible Crab Shore Crab Spider Crab Spider Crab Red Hairy Hermit Crab Red-legged Hermit Crab Crab American Lobster Squat Lobster Squat Lobster Squat Lobster Squat Lobster	1 66 67 20 50 30 20	er ter ter ter ter ter ter ter ter ter t	3		5 MT	6 00/2 0/0/50 0/	TOR UM AM AM IM
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Partula radiolata (CR) Polynesian Tree Snail - na/6 0/0/2 UD Avicularia avicularia (CR) Pintula radiolata (CR) Polynesian Tree Snail - na/6 0/0/3 UD Avicularia sp. Bird-eating Spider 135 83 50 -/2 - UD Brachige autratian stripens (EW) Polynesian Tree Snail - na/1 0/0/3 UM Brachypelina autratian stripens (EW) Polynesian Tree Snail - na/4 0/0/3 UM Brachypelina autratian stripens (EW) Polynesian Tree Snail - na/4 0/0/3 UM Brachypelina autratian similaria stripens (EW) Polynesian Tree Snail - na/4 0/0/3 UM Brachypelina autratian similaria simil	Sylophora postilata Seriatophora hyatra: Pavora decussata Hydrophora sp. Zoanthus sp. ECHINODERMATA Diadena septosum Protoreaster lancki Ophiomastic jamualis Ophiomastic jamualis Ophiomastic jamualis Ophiomastic jamualis Ophiomastic jamualis Asteria gibbosa Pseudocolchirar violaceus Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudo medicinalis (RT) Polychaeta Sobella pavona Feathes MOLLUSCA Gastropoda (figures reported for Partula, Samo Berghia verucicornis Euglandina rosea Puchnodus fregatensis Pomacea palludosa Achatina fulca Archachatina marginata Serophochelus oblorgus Partula affinis (EW) Partula clara (CR) Partula dentifera (EW) Partula faba (EW) Partula lirata Fijian Partula inrabilis Partula mirabilis Partula mirabilis Partula mirabilis Partula mirabilis Partula mirabilis Partula mirabilis	Hard Coral Zoarshid Long-spined Sea Urchin Crimson-knobbled Starfish Brittle Star Green Brittlestar Cushion Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Medicinal Leech Duster Worm Medicinal Lead Snail Apple Snail Fregate Island Enid Snail Apple Snail Giant Land Snail Giant Land Snail West African Giant Land Snail Mega Snail Polynesian Tree Snail	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of ti	ner	0/0/1 0/0/1 0/0/4 0/0/8 0/0/1 0/0/8 - 0/0/12 0/0/2 0/0/1 0/0/16 - 0/0/16 - 0/0/16 - 0/0/16 - 0/0/16 0/0/13 0/0/17 0/0/18 0/0/13 0/0/13 0/0/14 0/0/15 0/0/13 0/0/15 0/0/13 0/0/15 0/0/0/15 0/0/0/15 0/0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0	IN IN IN IM	Liardetia normalia Astrae sectum Turbo castamens Planorbis sp. Lymnara sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna crocea Tridacna derasa Amblema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilatata Quadrula quadrula Mystlus edulis Pecten maximus CRUSTACEA Malacostraca Birgus latro Coenobita clypeatus Cardiusoma sp. Cancer pogurus Cardiusoma sp. Cancer pogurus Carcinus macnas Maia squinado Dardama megistos Pagurus sp/Eupagarus sp. Pylopogurus sp. Goneplax rhomboides Angulus Homarus gammarus Galathea strigosa Limulus polythemus Lysmata ambionensis Austropotamobius pallipes (VU) Cherax destructor	Tahitian Tree Snail Super Turbo Snail Turbo Snail Ramshorn Snail Periwinkle Common Cutfiefish Common Octopus Giant Clarn Giant Clarn Giant Clarn Giant Clarn Threeridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Maplelaf Mussel Coastal Hermit Crab African Blue River Crab Edible Crab Shore Crab Spider Crab Rod Hairy Hermit Crab Native Shore Hermit Crab Native Shore Hermit Crab American Lobster Squat Lobster Horseshoe Crab Peppermint Shrimp Blood Shrimp Cleaner Shrimp White-clawed Crayfish	1 66 67 20 50 30 20	ter	3		5 MT	6 00/2 0/0/65 0/0/10 0/0/50 0/	TOR UM AM IM
Partula rotes (CR) Polynesian Tree Snail	Synodontis clarias Synodontis clarias Seriatophora hystrix Pavona decussata Hydnophora sp. Zoanthis sp. ECHINODERMATA Diadena septosian Protoreaster lancki Ophiomastix janualis Ophiomastix janualis Ophiomastix janualis Ophiomastix janualis Asteria gibbosa Pseudocolchirar violaceus Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudo medicinalis (RT) Polychaeta Sabella pavona Feathes MOLLUSCA Gastropoda (figures reported for Partula, Samo Berghia verucicornis Euglandina rosea Puchnodus fregatensis Pomacea palludosa Achatina orbatina Achatina officia Archachatina marginata Serophocheilus oblongus Purula affinis (EW) Partula densifera (EW) Partula densifera (EW) Partula labrisca (EW) Partula mirabilis Partula mirabilis Partula moreana (EW) Partula nodosa (EW) Partula nodosa (EW) Partula nodosa (EW) Partula nodosa (EW)	Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Zoarshid Long-spined Sea Urchin Crimson-knobbled Starfish Brittle Star Green Brittlestar Cushion Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Medicinal Leech Duster Worm Medicinal Fregate Island Enid Snail Apple Snail Giant Land Snail Giant Land Snail Giant Land Snail Holynesian Tree Snail Polynesian Tree Snail	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of ti	ner	0/0/1 0/0/1 0/0/1 0/0/8 0/0/1 0/0/8 0/0/12 0/0/2 0/0/2 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/18 0/0/13 0/0/18	IN IN IN IM	Liardetia normalia Astrae sectum Turbo castamens Planorbis sp. Lymnaea sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna crocea Tridacna derasa Amblema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilatata Quadrula quadrula Mystus edelis Pecten maximus CRUSTACEA Malacostraca Birgus latro Coenobita clypeatus Cardiusoma sp. Cancer pagurus Cardiusoma sp. Cancer pagurus Carcinus maenas Maia squinado Dardama megistos Pagurus sp/Eupagarus sp. Pylopagurus sp. Goneplax rhomboldes Angular Homarus gammarus Galathea strigosa Limulus polythemus Lysmata ambionensis Austropotamobius pallipes (VU) Cherat destructor ARACHNIDA	Tahitian Tree Snail Super Turbo Snail Turbo Snail Ramshorn Snail Periwinkle Common Cutfiefish Common Octopus Giant Clarn Giant Clarn Giant Clarn Giant Clarn Threeridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Maplelaf Mussel Coastal Hermit Crab African Blue River Crab Edible Crab Shore Crab Spider Crab Rod Hairy Hermit Crab Native Shore Hermit Crab Native Shore Hermit Crab American Lobster Squat Lobster Horseshoe Crab Peppermint Shrimp Blood Shrimp Cleaner Shrimp White-clawed Crayfish	1 66 67 20 50 30 20	ter	3		5 MT	6 00/2 0/0/55 0/	TOR UM AND UM UM UM AND UM
Partula suturalis striposa (EW) Polynesian Tree Snail	Synodontis clarius Synodontis clarius Seriatophora hystra: Pavona decussata Hydnophora sp. Zoanihus sp. ECHINODERMATA Diadema septesum Protoreaster lincki Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Asteria gibbosa Pseudocolchira violocius Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudinea Hirudo medicinalis (RT) Polychaeta Sabella povona Feather MOLLUSCA Gastropoda (figures reported for Partula, Somo Berghia verucicornis Englandina rosea Puchnodus fregatensis Pomocea polludosa Achatina ochatina Achatina fulica Archachatina marginata Strophochelius oblongus Purtula affinis (EW) Partula densfera (EW) Partula densfera (EW) Partula jabia (CR) Partula labrusca (EW) Partula labrusca (EW) Partula mirabilis Partula moriema (EW) Partula nodosa (EW) Partula otaheitana (CR)	Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Zoarshid Long-spined Sea Urchin Crimson-knobbled Starfish Britle Star Green Brittlestar Cushion Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Once, Diplomorpha and Trochomor, Nudibranch Predatory Snail Fregate Island Enid Snail Apple Snail Giant Land Snail Giant Land Snail Giant Land Snail Holynesian Tree Snail Polynesian Tree Snail	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of ti	ner	0/0/1 0/0/1 0/0/4 0/0/8 0/0/12 0/0/2 0/0/12 0/0/2 0/0/12 0/0/2 0/0/13 0/0/14 0/0/18 0/0/13 0/	UN U	Liordetia normalis Astrae tectum Turbo castamens Planorbis sp. Lymnaea sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna derasa Amblema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilatata Quadrula quadrula Mystius edulis Pecten maximus CRUSTACEA Malacostraca Birgua latro Coenobia clypeatus Cardiosoma sp. Cancer pagurus Carcinus maenas Maia squinado Dardama megistos Pagurus spliupagarus sp. Pylopagurus sp. Goneplax rhomboides Angular Homarus gammarus Galathea strigosa Limusa polythemis Lysmata debelius Lysmata polythemis	Tahitian Tree Snail Super Turbo Snail Turbo Snail Ramshorn Snail Periwinkle Common Cutflefish Common Octopus Giant Clam Giant Clam Giant Clam Threeridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Mapleleaf Mussel Coastal Mussel Coastal Mussel Coastal Mussel Coastal Mussel Edible Crab Shore Crab Land Hermit Crab African Blue River Crab Edible Crab Shore Crab Spider Crab Red Hairy Hermit Crab Native Shore Hermit Crab Native Shore Hermit Crab Crab American Lobster Squat Lobster Horseshoe Crab Peppermint Shrimp Blood Shrimp Cleaner Shrimp White-clawed Crayfish Yabby Crayfish	1 66 67 20 50 30 20	ter	3	20 3 3	5 mil tr . 13	6 00/2 0/0/55 0/	TOR UM AM IM
Partula suturalis mixed ssp. Polymesian Tree Snail - na/8 0/0/11 I/N Brachypelma pallulum Mexican Rose Partula toeniata simulani (EW) Polymesian Tree Snail - na/7 0/0/120 I/B Brachypelma pallulum Bird-eating Spider 1/1 I/M Brachypelma smithi Red-kneed Bird-eating Spider 1/1 I/M A/11 I/M Red-kneerd Bird-eating Spider 1/1 I/M A/11 I/M Red-kneerd Bird-eating Spider 1/1 I/M A/11 I/M Brachypelma vagans Red-numped Bird-eating Spider 0/2 I/M Brachypelma vagans Red-numped Bird-eating Spider 0/2 I/M Brachypelma bicolouronum Black-&-erange Bird-eating Spider 1/0 I/M Brachypelma kloasi Pirk Furry-leg Samoana attenuata (EN) Marguesan Tree Snail I/D Brachypelma kloasi Pirk Furry-leg Samoana ganymedes Marquesan Tree Snail I/D Unidennified theraphosid species Unidennified theraphosid species Unidennified theraphosid species Bird-eating Spider 1 0/1 I/M Diplomorpha delatouri Vanuatu Snail 1/10 I/M Brachypelma kloasi Spider 1 0/1 I/M Brachypelma kloasi Spider 1 0/1 I/M Brachypelma kloasi Spider 1 0/1 I/M Samoana ganymedes Marquesan Tree Snail 1/10 I/M Diplomorpha delatouri Vanuatu Snail 1/10 I/M Brachypelma kloasi Spider 1 0/1 I/M Brachy	Synodontis clarias Sylophora postiliata Seriatophora hystrix Pavona decussata Hydnophora sp. Zoandhis sp. ECHINODERMATA Diadena septosum Protoreaster lancki Ophiomastis jamualis Asteria gibbosa Presidocolchirar violaceus Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudo medicinalis (RT) Polychaeta Sabella pavona Feather MOLLUSCA Gastropoda (figures reported for Partula, Samo Berghia verucicornis Euglandina rosea Pachnodus fregatensis Pomacea palludosa Achatina achatina Achatina orietina Achatina officia Srophochelius oblorigus Partula affinis (EW) Partula faba (EW) Partula densifera (EW) Partula faba (EW) Partula hyalina (CR) Partula mirabilis Partula mirabilis Partula mirabilis Partula mirabilis Partula moreana (CR) Partula nodosa (EW) Partula nodosa (CR) Partula rosea (CR) Partula rosea (CR) Partula rosea (CR)	Hard Coral Zoanthid Long-spined Sea Urchin Crimson-knobbled Starfish Brittle Star Green Brittlestar Cushion Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Medicinal Erid Snail Folynesian Tree Snail Polynesian Tree Snail	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of ti	ner	0/0/1 0/0/1 0/0/1 0/0/4 0/0/8 0/0/12 0/0/2 0/0/2 0/0/1 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/18 0/0/13 0/0/18 0/0/13 0/0/18 0/0	IN IN IN IN IM	Liardetia normalis Astrae tectum Turbo castamens Planorbis sp. Lymnaea sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna derasa Amblema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilatata Quadrula quadrula Mystlus edulis Pecten maximus CRUSTACEA Malacostraca Birgus latro Coenobita clypeatus Cardiusoma sp. Cancer pagurus Cardiusoma sp. Cancer pagurus Cardiusoma sp. Cancer pagurus sp. Pagurus splEupagarus sp. Pylopagurus sp. Goneplax rhomboides Angulus Homarus gammarus Galatnea strigona Limulus polytemus Lysmata debelius Lysmata rathunae Lysmata debelius Lysmata polytemus Lysmata polytemus Lysmata debelius Lysmata debelius Lysmata debelius Lysmata polytemus Lysmata polytemus Lysmata polytemus Lysmata debelius Lysmata debelius Lysmata polytemus	Tabitian Tree Snail Super Turbo Snail Turbo Snail Ramshorn Snail Periwinkle Common Cutfiefish Common Octopus Giant Clam Giant Clam Giant Clam Threeridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Maplelaf Mussel Coastal Mussel Coastal Mussel Coastal Mussel Coastal Mussel Bible Crab Land Hermit Crab African Blue River Crab Edible Crab Spider Crab Rod Hairy Hermit Crab Native Shore Hermit Crab Native Shore Hermit Crab American Lobster Squat Lobster Horseshoe Crab Peppermint Shrimp Blood Shrimp Blood Shrimp Cleaner Shrimp White-clawed Crayfish Yabby Crayfish	1 66 67 20 50 30 20	ter	3	20 3 3	5 mil tr . 13	6 00/2 0/0/65 0/0/10 0/0/50 0/	TO UM AM IM IM IN
Partula taeniata simulanu (EW) Polynesian Tree Snail - na/7 00/120 UB Partula tohiveana (EW) Polynesian Tree Snail - na/7 00/120 UB Partula tristit (EW) Polynesian Tree Snail - na/4 00/36 UB Partula tristit (EW) Polynesian Tree Snail - na/6 00/1 UN Partula tristit (EW) Polynesian Tree Snail - na/6 00/1 UN Partula tristit (EW) Polynesian Tree Snail - na/6 00/1 UN Partula tristit (EW) Polynesian Tree Snail - na/6 00/1 UN Partula tristit (EW) Polynesian Tree Snail - na/7 00/3 UD Partula tristit (EW) Polynesian Tree Snail - na/1 00/3 UM Partula tristit (EW) Polynesian Tree Snail - na/1 00/3 UM Partula tristit (EW) Polynesian Tree Snail UD Samoana attenuata (EN) Marquesan Tree Snail UD Samoana pellula Marquesan Tree Snail UD Samoana ganymedas Marquesan Tree Snail UD Diplomorpha delatouri Vanuatu Snail	Synodontis clarias Synodontis clarias Seriatophora hystra: Pavora decussata Hydrophora sp. Zoanthies sp. ECHINODERMATA Diadena septosum Protoreaster lancki Ophiomastis jamualis Ophiomastis jamualis Ophiomastis jamualis Ophiomastis jamualis Ophiomastis jamualis Ophiomastis jamualis Asteria gibbosa Pseudocolchirar violaceus Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudo medicinalis (RT) Polychaeta Sabella pavona Feathes MOLLUSCA Gastropoda (figures reported for Partula, Samo Berghia verucicornis Euglandina rosea Puchnodus fregatensis Pomacea palludosa Achatina fulica Archachatina marginata Strophochelus oblorgus Partula affinis (EW) Partula afinis (EW) Partula dentifera (EW) Partula faba (EW) Partula hyalina (CR) Partula hyalina (CR) Partula mirabilis Partula mirabilis Partula mirabilis Partula mooreana (EW) Partula rodosa (EW) Partula rodosa (EW) Partula rodosa (CR) Partula rodosa (CR) Partula rodosa (CR) Partula suturalis strigosa (EW) Partula suturalis strigosa (EW) Partula suturalis strigosa (EW)	Hard Coral Zoarshid Long-spined Sea Urchin Crimson-knobbled Starfish Brittle Star Green Brittlestar Cushion Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Medicinal Leech Medicinal Leech Duster Worm Medicinal Leech Duster Worm Medicinal Leech Medi	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of ti	ner	0/0/1 0/0/1 0/0/1 0/0/4 0/0/8 0/0/12 0/0/2 0/0/12 0/0/16 0/0/18 0/0/	IN IN IN IN IM	Liardetia normalia Astrae tectum Turbo castamens Planorbis sp. Lymnaea sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna derasa Ambiema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilatata Quadrula quadrula Mysilus edulis Pecten maximus CRUSTACEA Malacostraca Birgas latro Coenobita clypeatus Cardiosoma sp. Cancer pagurus Cardiosoma sp. Cancer pagurus Cardiosoma sp. Cancer pagurus Sp. Pylopagurus sp. Pylopagurus sp. Pylopagurus sp. Goneplas rhomboldes Augular Homarus gammarus Galathea strigosa Limulus polythemus Lyamata athburae Lyamata debelius Lyamata debelius Lyamata debelius Lyamata destructor ARACHNIDA Arancae Avicularia aricularia	Tahitian Tree Snail Super Turbo Snail Turbo Snail Ramshorn Snail Periwinkle Common Cutfiefish Common Octopus Giant Clarn Giant Clarn Giant Clarn Giant Clarn Giant Clarn Giant Clarn Hereridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Mapleleaf Mussel Coastal Mussel Coastal Mussel Coastal Mussel Coastal Mussel Coastal Mussel Coastal Mussel Crab Land Hermit Crab African Blue River Crab Edible Crab Shore Crab Spider Crab Red Hairy Hermit Crab Red-legged Hermit Crab Red-legged Hermit Crab Crab American Lobster Squat Lobster Horseshoe Crab Peppermint Shrimp Blood Shrimp Cleaner Shrimp Blood Shrimp Cleaner Shrimp White-clawed Crayfish Yabby Crayfish Pink-toed Bird-eating Spider Bird-eating Spider Bird-eating Spider	1 66 67 20 50 30 20	ter	3	20 3 3	5 mil tr . 13	6 0/0/2 0/0/65 0/0/10 0/0/10 0/0/1 0	TOR UM AM IM
Partials tristis (EW) Polymesian Tree Snail	Synodontis clarius Synodontis clarius Seriatophora hystrix Pavona decussata Hydnophora sp. Zoanthus sp. ECHINODERMATA Diadema septosum Protoreaster lancki Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Asteria gibbosa Pseudocolchirus violaceus Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudo medicinalis (RT) Polychaeta Sabella pavona Feathes MOLLUSCA Gastropoda (figures reported for Partula, Same Berghia verucicornis Euglandina rosea Puchnodus fregatensis Pomacea palludosa Achatina ochatina Achatina officia Archachatina marginata Serophocheilus oblongus Purula affinis (EW) Partula densifera (EW) Partula densifera (EW) Partula libraica (EW) Partula libraica (EW) Partula libraica (EW) Partula mirabilis Partula mirabilis Partula mirabilis Partula moreana (EW) Partula nodosa (EW) Partula suturalis strigosa (EW) Partula suturalis mixed ssp.	Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Zoarshid Long-spined Sea Urchin Crimson-knobbled Starfish Brittle Star Green Brittlestar Cushino Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Medicinal Leech Medicinal Leech Medicinal Leech Medicinal Leech Duster Worm Medicinal Leech Duster Worm Medicinal Leech Duster Worm Medicinal Leech Medicinal Leech Duster Worm Medicinal Leech Duster Worm Medicinal Leech Duster Worm Medicinal Leech Medicinal Leech Medicinal Leech Duster Worm Medicinal Leech Dus	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of ti	ner	0/0/1 0/0/1 0/0/1 0/0/8 0/0/1 0/0/8 0/0/12 0/0/2 0/0/12 0/0/12 0/0/12 0/0/16 - 0/0/16 - 0/0/16 - 0/0/16 - 0/0/16 - 0/0/18 0/0/13 0/0/18	IN IN IN IN IN IM	Liardetia normalia Asirae sectum Turbo castamens Planorbis sp. Lymnaea sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna crocea Tridacna derasa Ambiema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilatata Quadrula quadrula Mystlus edulis Pecten maximus CRUSTACEA Malacostraca Birgua latro Coenobita clypeatus Cardiosoma sp. Cancer pagurus Cardiosoma sp. Cancer pagurus sp. Cancer pagurus sp. Cancer pagurus sp. Goneplas rhomboides Angulas Homarus gammarus Galathea strigosa Limulus polythemis Lysmata debelius Lysmata debelius Lysmata ambionensis Austropostamobius pallipes (VU) Cherat destructor ARACHNIDA Araneae Avicularia avicularia Avicularia tp. Brachypelma emilia	Tabitian Tree Snail Super Turbo Snail Turbo Snail Turbo Snail Periwinkle Common Cutfiefish Common Octopus Giant Clam Giant Clam Giant Clam Giant Clam Threeridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Spike Mussel Coastal Mussel Great Scallop Robber Crab Land Hermit Crab African Blue River Crab Edible Crab Shore Crab Spider Crab Spider Crab Native Shore Hermit Crab Red-legged Hermit Crab Crab American Lobster Squat Lobster Horseshoe Crab Peppermint Shrimp Blood Shrimp Cleaner Shrimp White-clawed Crayfish Yabby Crayfish Pink-toed Bird-eating Spider Bird-eating Spider Red-legged Bird-eating Spider Red-legged Bird-eating Spider Red-legged Bird-eating Spider	1 66 67 20 50 30 20	ter	3	20 3 3	5 mil tr . 13	6 00/2 0/06/5 0/06/5 0/07/5 0/	THE UMAN AND DED IN
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Partials to 10 (Co.) Polynesian Tree Snail Samoonia attenuota (EN) Marquesan Tree Snail	Synodontis clarias Synodontis clarias Seriasophora hystra: Parona decussata Hydrophora sp. Zoardhis sp. ECHINODERMATA Diadema septesium Protoreaster lincki Ophiomastix jamualis Asteria gibbosa Pseudocolchirus violocius Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudinea Hirudo medicinalis (RT) Polychaeta Sabella povona Feather MOLLUSCA Gastropoda (figures reported for Partula, Somo Berghia verucicornis Euglandina rosea Puchnodus fregatensis Pomacea polludosa Achatina achatina Achatina fulica Archachatina marginata Strophochelius oblorgus Partula affinis (EW) Partula denifera (EW) Partula denifera (EW) Partula jabba (CR) Partula librata Fijian Partula mirabilis Partula mirabilis Partula mirabilis Partula mirabilis Partula motosa (EW) Partula otahcitana (CR) Partula rodiolata (CR) Partula suturalis strigosa (EW)	Hard Coral Zoanthid Long-spined Sea Unchin Crimson-knobbled Starfish Brittle Star Green Brittlestar Cushion Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Medicinal Leech Medicinal Leech Duster Worm Medicinal Leech Medicinal Leech Duster Worm Medicinal Leech Medicinal Leech Medicinal Leech Duster Worm Medicinal Leech	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of ti	ner	0/0/1 0/0/1 0/0/1 0/0/1 0/0/1 0/0/1 0/0/1 0/0/8 0/0/1 0/0/8 0/0/1 0/0/8 0/0/1 0/0/2 0/0/2 0/0/1	IN ID IM	Liordetia normalis Astrae tectum Turbo castamens Planorbis sp. Lymnaea sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna derasa Amblema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilatata Quadrula quadrula Mystlus edulis Pecten maximus CRUSTACEA Malacostraca Birgua latro Coenobita clypeatus Cardiosoma sp. Cancer pagurus Cardiosoma sp. Cancer pagurus Cardiosoma sp. Cancer pagurus splEupagarus sp. Pylopagurus splEupagarus sp. Pylopagurus splEupagarus sp. Pylopagurus spiEupagarus Lymnata debelina Lymnata rathunae Lymnata debelina Lymnata ombionensis Austropotamobius pallipes (VU) Cherax destructor ARACHNIDA Arancae Avicularia avicularia Avicularia pp. Brachypelma auratum Brachypelma emilia Brachypelma emilia Brachypelma smithi	Tabitian Tree Snail Super Turbo Snail Turbo Snail Ramshorn Snail Periwinkle Common Cutfiefish Common Octopus Giant Clam Giant Clam Giant Clam Threeridge Mussel Plain Pocketbook Pistolgrip Mussel Spike Mussel Maplelaf Mussel Coastal Mussel Coastal Mussel Coastal Mussel Coastal Mussel Coastal Mussel Robber Crab Land Hermit Crab African Blue River Crab Edible Crab Spider Crab Rod Hairy Hermit Crab Native Shore Hermit Crab American Lobster Squat Lobster Horseshoe Crab Peppermint Shrimp Blood Shrimp Cleaner Shrimp White-clawed Crayfish Yabby Crayfish Yabby Crayfish Pink-toed Bird-eating Spider Bird-eating Spider Flame-knee Spider Bird-eating Spider Red-leading Spider	1 66 67 20 50 30 20 - 3 1 2 4 1 1 1 2 6 6 6 6 7 20 50 2 - 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	ter	3	20 3 3	5 MT	6 00/2 0/0/65 0/0/0/65 0/0/65 0/0/65	TOR UM AM IM
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Diplomorphia delatouri Vanuatu Snail nt/1 0/0/3 I/D Bird-eating Spider 1 0/1 I/M	Synodontis clarius Synodontis clarius Seriatophora hystrix Pavona decussata Hydnophora sp. Zoanthus sp. ECHINODERMATA Diadema septosum Protoreaster lincki Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Ophiomastix jamualis Asteria gibbosa Pseudocolchirus violaceus Paracucumaria sp. Holothuria atra ANNELIDA Hirudinea Hirudo medicinalis (RT) Polychaeta Sabella pavona Feathes MOLLUSCA Gastropoda (figures reported for Partula, Some Berghia verucicornis Euglandina rosea Puchnodus fregatensis Pomacea palludosa Achatina orbatina Achatina orbatina Achatina offica Archachatina marginata Strophochellus oblongus Purula affinis (EW) Partula densifera (EW) Partula densifera (EW) Partula labrusca (EW) Partula hyalina (CR) Partula mirabilis Partula mirabilis Partula mirabilis Partula mirabilis Partula mirabilis Partula mirabilis Partula siburacia (CR) Partula suturalis strigosa (EW)	Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Hard Coral Zoarshid Long-spined Sea Urchin Crimson-knobbled Starfish Britle Star Green Brittlestar Cushino Star Sea Apple Candy Cucumber Black Sea Cucumber Medicinal Leech Duster Worm Medicinal Leech Me	8 1 10 2 2 1 1 20 6	ter ter ter eccies are	15 1 nr 1 nr 1 nr 5 sr sr sr	end of ti	ner	0/0/1 0/0/1 0/0/1 0/0/4 0/0/8 0/0/12 0/0/2 0/0/12 0/0/2 0/0/12 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/16 0/0/18 0/0/1	IN I	Liordetia normalis Astrae tectum Turbo castamens Planorbis sp. Lymnaea sp. Littorina littorea Cephlapoda Sepia officinalis Octopus vulgaris Bivalvia Tridacna maxima Tridacna derasa Amblema plicata Lampsilis cardium Tritogonia verrucosa Elliptio dilatata Quadrula quadrula Mystius edulis Pecten maximus CRUSTACEA Malacostraca Birgus latro Coenobias cippeatus Cardiosoma sp. Cancer pagurus Cardiosoma sp. Cancer pagurus Cardiosoma sp. Cancer pagurus sp/Eupagarus sp/Pylopagurus sp/Eupagarus sp/Pylopagurus sp. Goneplax rhomboides Angulus Homarus gammarus Galatnea strigosa Limulus polythemus Lysmata anthomensis Austropostamobius pallipes (VU) Cherat destructor ARACHNIDA Arancae Avicularia avicularia Avicularia sp. Brachypelma emilia Brachypelma emilia Brachypelma emilia Brachypelma smishi Brachypelma smishi Brachypelma smishi Brachypelma bicolourutum Brachypelma klaasi	Tabitian Tree Snail Super Turbo Snail Turbo Snail Ramshorn Snail Periwinkle Common Cutfiefish Common Octopus Giant Clam Giant Clam Giant Clam Threeridge Mussel Plain Pockerbook Pistolgrip Mussel Spike Mussel Mapleleaf Mussel Coastal Mussel Coastal Mussel Mapleleaf Mussel Coastal Mussel Co	1 66 67 20 50 30 20 - 3 1 2 4 1 1 1 2 6 6 6 6 7 20 50 2 - 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	ter	3	20 3 3	5 MT	6 00/2 0/0/65 0/	TO UM AM UM
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			1	2	3	4	5	6	7/8			1	2	3	4	5	6	7/8
	Acanthoscurria geniculata	White-kneed Bird-eating Spider	r 1				63	0/1	IM	Blattodea	Miles Miles Cale of							
	Aphonophelma chalcodes	Mexican Blond						0.00	104	Gromphadorhina portentosa Periplaneta americana	Malagasy Hissing Cockroach American Cockroach		DE.	nr nr	200	ne/100	0/0/50	A/D A/M
	Pseudotheraphosa apophysis	Bird-eating Spider Pink-toed Goliath Spider	1					0/1	I/M I/M	Princisia vanwerebecki	Hissing Cockroach	6	W	nr		na/55	7/12	I/B
	Laxiodora parahybana	Brazilian Bird-eating Spider	1					0/2/1	IM	Archimandrita tessellata	Bullshead Cockroach	12	DE .	nr	*	na/6	2/2	NB
		Chile Rose Bird-eating Spider	3	1.		1		0/0/4	I/M	Mantodea								
		Feather-leg Baboon Spider Bird-eating Spider	1					0/1	I/M I/M	Sphodromantis sp.	African Praying Mantis	3	DE .	nr		-17	0/0/1	I/B
	Poecilotheria regalis	Indian Omamental Spider						0/1	I/M	Tenodera sp.	Chinese Praying Mantis		nr	Br				ND
		Sri Lankan Omamental Spider Indian Tiger Spider			1			0/1	I/M I/M	Phasmatodea								
		Wolf Spider	1					1/0	I/M	Acrophylla wwelfingi Eurycantha calcarata	Queensland Titan Stick Insect Indonesian Spiny Stick Insect		DF .	nr	*	ne/50	1/2	1/B 1/B
	CONTROL OF THE PROPERTY OF THE	Golden Orb Weaver	20	nr	nr	nr			I/N	Extatosoma tiaratum	Macleay's Spectre Stick Insect		Dr.	THE THE		ns/27 ns/10	0/1	1/8
		Senegalese Giant Orb Spider North American Black Spider	30	nr.	nr	DF	-/21	0/1	IN	Heteropteryx dilatata	Malaysian Jungle Nymph	10	nr	M		ne/10	3/9	1/B
		Western Black Widow	1		6		-12	0/1	I/D I/M	Carausius morossus Sypyloides sipylus	Indian Stick Insect Pink-wing		nr	nr	30	-70		I/D
	Latrodectus geometricus	Brown Black Widow	1	-		-		0/1	I/M	Phylliam sp.	Leaf Insect	6	mr.	nr 6	30	ns/30	0/0/30	ND ND
	CONTRACTOR OF THE CONTRACTOR O	Crab Spider		nr	or		-	1/1	IM	Catanana								
	Phiddipus audax	Jumping Spider		11.7				1.0	IM	Coleoptera Mnemotidium multipunctatum	African Dung Beetle		or	W.	23	233	-	MD.
	Scorpiones				100			1000		Unidentified species	South African Large Dung Beetle		nr	m .		THE	0/0/3	ND
		Tunisian Fat-tailed Scorpion Fat-tailed Scorpion			1			0/0/1	VM VM	Unidentified species	African Dung Beetle		nr	nr		10	*	ND
		Yellow Scorpion		1				0/0/1	I/M	Polposipus herculeanus (CR) Anthia sexguttata	Giant Fregate Beetle Domino Beetle	20	87	24	22	melor	0/0/117	
	Buthus sp.	Chinese Scorpion						0/0/1	I/M	Xyloturpes gideon	Sumatran Rhino Beetle		DF.	nr.		ne/- ne/30	0/0/3	I/D I/M
		Imperial Scorpion Malagasy Jungle Scorpion		mr	ter		- /50	0/0/21	I/M	Unidentified species	Chequered Ground Beetle			5		m/-	0/0/5	MD
		Indian Scorpion	6	-	10	4	-/2	001	I/M I/D	Unidentified species Blaps mucronata	Large Ground Beetle Churchyard Beetle	*	nr	Br .	*			ND .
	Euscorpius flavicaudus	European Scorpion		10	2				I/D	Blaps sp.	Desert Beetle	20	IN.	nr nr		THE	0/0/10	ND ND
	The state of the s	Seychelles Scorpion	20	*	2		-	1/1/16	IN	Unidentified species	Minotaur Beetle	-	nr .	nr				VD
	Centrarotaer sp.	American Desert Scorpion		1.0			**	0/0/1	IN	Unidentified species Unidentified species	Tenebrionid Beetle		rer .	DE	13			ND ON
	Solifugae									Cybister laterimarginalis	Large Tenebrionid Beetle Diving Beetle	10	to:	DI DI	2	mr/-	0.0%	ND ND
	Galeodes sp.	Egyptian Solifuge			2		-		ID	Unidentified cerambycid	Indian Longhorn Beetle	1		1				ND.
	MYRIAPODA									Diptera								
	China									Drosophila melanogaster	Fruit Fly		er	rer		ne		C/M
	Chilopoda Scolopendra gigantea	Giant Centipede		4.5	1	100	1	0/0/1	DM.	Calliphora vomitoria	Bluebottle	1	nr	ne		nr	0/0/1	C/M
		Egyptian Giant Centipede	i				-	0/0/1	I/M	Lepidoptera								
								0.000	1000	Bombya mori	Silkworm	00	er	te	+ -	300/-		AM
	Diplopoda /s/eser sp.	Giant Millipede		nr	nr		nn/30	0/0/6	I/B	Heliconius charitonius Heliconius melpomene	Zebra Butterfly Postman Butterfly	10	er	DE	40	m(100	0/0/65	I/D
	Sechelleptus seychellarum	Seychelles Giant Millipede	19	nr.	DL.	85	nr/356	0/0/19	I/B	Attacus atlas	Atlas Moth	9	".	3		m/100 -/6	-	A/M I/D
	Epibolus pulchripes	Mombassan Train Millipede		nr	nr		nn/30	0/0/5	1/B			100				-		
		Fire Millipede Malaysian Giant Millipede			1				I/D	Hymenoptera Ampulex compressa	Jewel Wasp	8		-		-	1/2	I/D
		rampan our rampos	2070	- 35	- 2		200	1000	***	Apis mellifera	Honeybee	î	m	1		DE .		C/M
	INSECTA									Atta cephalotes	Leaf-cutting Ant		m	HI.		THE .		CM
	Orthoptera									Formica rufa (VU) Pseudomyrmex ferruginia	Red Wood Ant Acacia Ant	1		1	-			C/D C/D
		Mole Cricket	6		-1	10		3/2	IN		Financia Fina				-		-	00
	Schistocerca gregaria	Desert Locust	500	ne	ter		ne/300	0/0/200	A/B	Hemiptera	America Thora		1922	40	20			im.
		African Field Cricket British Field Cricket	-	nr 1715	nr 862	1050	ne/300 -/51	0/0/200	AB IB	Platymerus biguttata Notonecta glauca	Assassin Bug Water Boatman	20	THE .	DE .	2	mr.	0/0/20	I/D I/N
	ALLEGO CONTRACTOR OF THE CONTRACTOR OF T	Cave Cricket		DI.	802	1030	nt/170	0/0/20	A/B			775				10	100	100
		British Wart-biter Cricket		148	124	24	4000/-		VM		Total Invertebrates at 31.12.99:	1000	- 6228 -	12				et marles
		Wellington Tree Weta Poor Knights Weta	22		27		200/-	3/2	AM IN		Total invertebrates at 31.12.99	appro	E 0238 5	pecimer	15; 40 (consumer;	appres.	se species
		Giant South						NA.	10.00									
	double to the second of the se	American Grasshopper			6/4		100/-		AM									
	The state of the s	Whistle Cricket King Cricket	10		10		50/-		A/N I/D									
			-	_	_													
			_	_		-	-		× - ×			~		-			_	
	WHIPSNADE WILD ANIMA	L PARK										1	3	3		5	6	,
		L PARK		,				2		Hydropotes inermis		1	3	3		5	4	-217
	WHIPSNADE WILD ANIMA MAMMALS	L PARK	1	2	,		5	6	7	Giraffa camelopardalis reticulata	Reticulated Giraffe	6	1	3	4	5	4	
Ī	MAMMALS Diprotodontia		1	2	3		5	6	,				3	3 . 1 . 7 10	4 4 1	5	6 .1 .4	-217 3/3 4/7 4/19
	MAMMALS	Red-necked (Bennett's)	1	2	3		5	6		Giraffa camelopardalis reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros	Reticulated Giraffe Nyala Sitatunga Greater Kudu	6		1 7	4 41 .	5	11.4.	-217 3/3 4/7 4/19 2/6
	MAMMALS Diprotodontia Macropus rufogriseus frutica	Red-necked (Bennett's)	1 -600 16	2	3		5	6	-600 7/8	Giraffa camelopardalis reticulata Tragelophus angasi Tragelophus spekei Tragelophus strepsiceros Boselophus stragocamelus	Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai 1	6 10 25		1 7	4 4 1	5	1	-217 3/3 4/7 4/19
	MAMMALS Diprotodontia Macropus rufogriseus frutica	Red-necked (Bennett's) Wallaby**		2	3				-600	Giraffa camelopardalis reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros	Reticulated Giraffe Nyala Sitatunga Greater Kudu	6 10 25 8 5 3 1	*	1 7 10 1	4 1	5		-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus fruica Macropus rufogriseus Macropus parma	Red-necked (Bennett's) Wallaby** White Wallaby	16	2	3				-600 7/8	Girafía camelopardata reticulata Tragelaphus angasi Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos grunniens	Reticulated Giraffe Nyala Sitahanga Greater Kuda Nilgai 1 Lowland Anoa Gaur Yak (domestic)	6 10 25	1	1 7	4 4 1	5		-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus	Red-necked (Bennett's) Wallaby** White Wallaby	16	2	3				-600 7/8	Giraffa camelopardata reticulata Tragelaphus appasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Bubalus depressicornis (EN) Bos graens (VU) Bos graensens Syncerus caffer nanus	Reticulated Giraffe Nyala Sitahanga Greater Kuda Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo	6 10 25 8 5 3 1		1 7 10 1	4 1	5		-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1
	MAMMALS Diprotodontia Macropus rafogriseus frutica Macropus rafogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Leman	16	2	3				-600 7/8 2/2 8/0	Girafía camelopardata reticulata Tragelaphus angasi Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos grunniens	Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison	6 10 25 8 5 3 1	1	1 7 10 1	4 1	5	1	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur	16	3	3				-600 7/8 2/2	Girafia cameiopardata reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer namus Bison bison bison Bison bison bison Bison bonasus (EN) Hippotragus equinus	Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope	6 10 25 8 5 3 1	3	1 7 10 1	4 1	5		-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/2 1/7 2/4
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia púbecia	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Leman	16 3 6 2 2	3	3 2 2 2				-600 7/8 2/2 8/0 1/1 2/1 6/6	Girafia cameiopardata reticulata Tragelaphus angasi Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos grunniero Synicerus caffer nanus Boson bison Boson bison Boson bonatus (EN) Hippotragus equinus bakeri	Reticulated Giraffe Nyala Sinahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Roan Antelope	6 10 25 8 5 3 1	1	1 7 10 1	4 1	5	1	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey	16 3 6 2 2	3	3 2 2 2				-600 7/8 2/2 8/0 1/1 2/1	Girafia cameiopardata reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer namus Bison bison bison Bison bison bison Bison bonasus (EN) Hippotragus equinus	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe	6 10 25 8 5 3 1 28 6 4 8 9	1	1 7 10 1	4 1	5	1 . 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus purma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey	16 3 6 2 2	3	3 2 2 2				-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1	Giraffa camelopardata reticulata Tragelophus angasi Tragelophus spekei Tragelophus strepsiceros Boselophus tragocamelus Bubalus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bonasus (EN) Hippotragus equinus Hippotragus equinus bakeri Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemsbok	6 10 25 8 5 3 1 28 6 4 8 9 -7 11 13	1	1 7 10 1	4 1	5	1 . 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callitrix argentata argentata Leontopithecus	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squarel Monkey Silvery Marmoset	16 3 6 2 2	3	3 2 2 2				-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1	Giraffa cameiopardata reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Bubalus depressicornis (EN) Bos grunniens Syncerus caffer nanus Boson bison bison Bison boson bison Bison bonasus (EN) Hippotragus equinus Hippotragus equinus Hippotragus equinus Kobus ellipsiprymnus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterback Nile Lochwe Gemsbok Scimitar-horned Oryx	6 10 25 8 5 3 1 28 6 4 8 9	1	1 7 10 1	4 1	5	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callabrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin	16 3 6 2 2	3	3				-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos grunuses Syncerus caffer nanus Boson bison bison Boson bison bison Boson bison bison Boson bonatus (EN) Hippotragus equinus Hippotragus equinus bakeri Kobus ellipsiprymmus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus	Reticulated Giraffe Nyala Sitathanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gernsbok Scimitar-horned Oryx Blackbuck Musk Ox	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 4/1 0/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri boliviensis Callishrix argentata argentata Leontopithecus chrysomelas (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanaree Black-tailed Prairie Dog**	16 3 6 2 2 2 11 3 4 9	3	3				-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3	Giraffa cameiopardata reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Bubalus depressicornis (EN) Bos grunniens Syncerus caffer nanus Boson bison bison Bison bonatus (EN) Hippotragus equinus Hippotragus equinus Hippotragus equinus Kobus ellipsiprymnus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dummah (CR) Antilope cervicapra (VU)	Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechswe Gemitok Scimitar-horned Oryx Blackbuck	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1	10 2	2 7 1 1 - 2 2 1 - 1 - 1 - 3 4	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimirt bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludovicianus Dolichotis patagonum	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara**	16 3 6 2 2 2 11 3 4 9	3	3				-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos grunuses Syncerus caffer nanus Boson bison bison Boson bison bison Boson bison bison Boson bonatus (EN) Hippotragus equinus Hippotragus equinus bakeri Kobus ellipsiprymmus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gernsbok Scimitar-homed Oryx Blackbuck Musk Ox Mouflon	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1	10 2	2 7 1 1 - 2 2 1 - 1 - 1 - 3 4	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya hulovicianus	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanaree Black-tailed Prairie Dog**	16 3 6 2 2 2 11 3 4 9	3	3 2 2 2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus stragocamelus Bushius depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Guar Yak (domestic) Dwarf Forest Buffalo American Prainie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemsbok Scimitar-homed Oryx Blackbuck Musk Ox Mouflon Horse: Shire	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1	10 2	2 7 1 1 - 2 2 1 - 1 - 1 - 3 4	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callidrix argentata argentata Leontopithecus chrysomelas (EN) Pan iroglodytes (EN) Rodentia Cynomys ludovicianus Dolichotis patagonum Muscardinus avellanarius (RT) Carnivora	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus stragocamelus Bushius depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prainie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouflon	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callishrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludovicianus Dolichotis potagonum Muscardinus avellanarius (RT) Carnivora Canis lupus	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf	16 3 6 2 2 2 11 3 4 9	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus stragocamelus Bushius depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Antelope Roan Antelope Common Waterbuck Nile Lochwe Gemsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form)	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1 18 2 2 - 4 4	10 2	2 2 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/0
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callidrix argentata argentata Leontopithecus chrysomelas (EN) Pan iroglodytes (EN) Rodentia Cynomys ludovicianus Dolichotis patagonum Muscardinus avellanarius (RT) Carnivora	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Grey Wolf Brown Bear Red Panda	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus stragocamelus Bushius depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sinahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffialo American Prairie Bison European Bison European Bison Roan Antelope Roan Antelope Roan Antelope Common Waterbuck Nile Lochwe Gemsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey:	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1771011188244	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/7 2/4 1/0 1/6 4/4 4/4 0/1 0/1 0/1 1/0
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Sainiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hukoviciamus Dolichotis patagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Urasa arctos Allurus fulgens fulgens (EN) Helogale parvula	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Antelope Roan Antelope Common Waterbuck Nile Lochwe Gemsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form)	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1 18 2 2 - 4 4	10 2	2 2 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/0 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegota variegota variegota variegota (EN) Pibecia pibecia Samuri bolivienus Callishrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis patagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athuna fulgens fulgens (EN) Helogale parvula Panthera tigris altasca (CR)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Guar Yak (domestic) Dwarf Forest Buffalo American Prainie Bison European Bison Roan Antelope Roan Antelope Roan Antelope Common Waterback Nile Lechwe Gemsbok Scimitar-homed Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig: Oxford Sandy x Black Pig Pot-bellied Pig	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1 18 2 2 - 4 4	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/1 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callabrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludoviciamus Dolichotis patagomun Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Acinonya jubatus (VU)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gast Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Europe	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1 18 2 2 - 4 4	10 2	2 2 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/0 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Sainiri bolivienus Callahrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hukoviciamus Dolichotis patagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athuna fulgens fulgens (EN) Helogale parvula Panthera tigris altasca (CR) Acinonya jubatus (VU) Pinnipedia	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose Armar (Siberian) Tiger Cheetah	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Guar Yak (domestic) Dwarf Forest Buffalo American Prainie Bison European Bison Roan Antelope Roan Antelope Roan Antelope Common Waterback Nile Lechwe Gemsbok Scimitar-homed Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig: Oxford Sandy x Black Pig Pot-bellied Pig	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1 1	1 7 10 1 18 2 2 - 4 4	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callabrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludoviciamus Dolichotis patagomun Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Acinonya jubatus (VU)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sinahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffialo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemabok Scimitar-horned Oryx Blackbuck Musik Ox Mouffion Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Bison European Bison European Bison European Bison European Bison European Materbuck Nile Lechwe Gemabok Scimitar-horned Oryx Black Dox Mouffion Horse: Shire Cream Forny Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Galloway Red Poll Sheep: Lincoln Longwool Hampshire	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1 18 2 2 - 4 4	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Calliahrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludoviciamus Dolichotis potagoman Muscardinus avellanarius (RT) Carnivora Canis lupus Urasa arctos Ailurus fulgens fulgens (EN) Helogale parvula Panshera ugris altaica (CR) Acinonya jubatus (VU) Pinnipedia Zalophus californianus	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmonet Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Silverian) Tiger Cheetah Californian Sealion	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Praine Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemsbok Scimitar-horned Oryx Blackbuck Musik Ox Mouffon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced	6 10 25 8 5 3 1 28 6 4 8 9 · · 7 11 13 24 20 1 1 1 2 1 · · · · · · · · · · · · · · ·	1	1 7 10 1 18 2 2 - 4 4	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Sainiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hulovicianus Dolichotis patagomun Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Acinonya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulina	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gety Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Silverian) Tiger Cheetah Californian Sealion Common Seal	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			3 . 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sinahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffialo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemabok Scimitar-horned Oryx Blackbuck Musik Ox Mouffion Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Bison European Bison European Bison European Bison European Bison European Materbuck Nile Lechwe Gemabok Scimitar-horned Oryx Black Dox Mouffion Horse: Shire Cream Forny Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Galloway Red Poll Sheep: Lincoln Longwool Hampshire	6 10 25 8 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 - 1 2 1 1 1 1	1	1 7 10 1 18 2 2 - 4 4	10 2	2 7 1 1	1 4	-217 3/3 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callibrix apientata argentata Leontopithecus chrysomelas (EN) Pan iroglodytes (EN) Rodentia Cynomys ludovicianus Dolichotis potagonum Muscardinus avellanarius (RT) Carnivora Canis lupus Urnus arctos Ailurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Acenorya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulna Halichoerus grypus	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gety Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Silverian) Tiger Cheetah Californian Sealion Common Seal	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			3 . 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Praine Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouffon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 2 1 - 1 2 1 1 1 10 11 19	3	1 7 10 1 18 2 2 - 4 4	10 2	2 7 1 1	1 4	-217 3/3 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis patagoman Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Alturna fulgens fulgens (EN) Helogale parvula Punthera tigris altaica (CR) Acinonya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulina Malichoerus grypus Proboscidea Elephas maximusi (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10 14 5 8 5 2 5 5	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Waterbuck Nile Lochwe Gernsbek Scimitar-horned Oryx Blackbuck Musik Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Gailloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windox White Pygrity	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 2 1		177101 182 2 4 4 2	10 2	2 7 1 1	.1.4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Sainari bolivienus Callibrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys ludovicianus Dolichotus potagonum Muscardinus avellanarius (RT) Carnivora Canis lupus Urnus arctos Athuna fulgens fulgens (EN) Helogale parvala Panthera tigris altaica (CR) Actronyc jubatus (VU) Pinnipedia Zalophus californianus Phoca virulna Halvchoerus grypus Proboscidea	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose Amir (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10 14 5 8 5 2 5 5	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/2 1/4 1/2 1/0 0/1	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Waterbuck Nile Lochwe Gernsbek Scimitar-horned Oryx Blackbuck Musik Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Gailloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windox White Pygrity	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 2 1 - 1 2 1 1 1 10 11 19	3	1 7 10 1 18 2 2 - 4 4	10 2	2 7 1 1	1 4	-217 3/3 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan irogiodytes (EN) Rodentia Cynomya ludovicianus Dolichotis patagonum Muscardinus avellanarius (RT) Carnivora Canis lupus Urnus arctos Atlurus fulgens fulgens (EN) Helogale parvula Panthera itgris altaica (CR) Acinonya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulina Halichoerus grypus Proboscidea Elephas maximusi (EN) Perissodactyla Equus burchelli chapmanni Equus grevyi (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanaee Black-tailed Prairie Dog** Mara** Common Dormouse Grey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10 14 5 8 5 2 5 5	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Waterbuck Nile Lochwe Gernsbek Scimitar-horned Oryx Blackbuck Musik Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Gailloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windox White Pygrity	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 2 1		177101 182 2 4 4 2	10 2	2 7 1 1	.1.4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Sainist bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglochites (EN) Rodentia Cynomys ludovicianus Dolichotis potagonum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Atlurus fulgens fulgens (EN) Helogale parvula Panthera ugris altaica (CR) Acinomys jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulina Halichoerus grypus Proboscidea Elephas maximusi (EN) Perissodactyla Equus burchelli chapmanni Equus grevyi (EN) Equus hemionus anager (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmonet Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Grey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grey's Zebra Asiatic Wild Ass	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10 14 5 8 5 2 5 5	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/2 1/4 1/2 1/0 0/1	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Waterbuck Nile Lochwe Gernsbek Scimitar-horned Oryx Blackbuck Musik Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Gailloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windox White Pygrity	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 2 1		177101 182 2 4 4 2	10 2	2 7 1 1	.1.4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan irogiodytes (EN) Rodentia Cynomya ludovicianus Dolichotis patagonum Muscardinus avellanarius (RT) Carnivora Canis lupus Urnus arctos Atlurus fulgens fulgens (EN) Helogale parvula Panthera itgris altaica (CR) Acinonya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulina Halichoerus grypus Proboscidea Elephas maximusi (EN) Perissodactyla Equus burchelli chapmanni Equus grevyi (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanaee Black-tailed Prairie Dog** Mara** Common Dormouse Grey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3	Girafia camelopardatas reticulata Tragelaphus angasi Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos grunniero Synicerus caffer nanus Bison Kobus edilpsiprymnus Kobus edilpsiprymnus Kobus edilpsiprymnus Kobus megaceros Orya gazella Orya damah (CR) Antilope cervicapra (VU) Ovibus moschutus Ovis orientalis musimon (VU) Domestic BIRDS Casuariliformes	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Waterbuck Nile Lochwe Gernsbek Scimitar-horned Oryx Blackbuck Musik Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Gailloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windox White Pygrity	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 2 1		177101 182 2 4 4 2	10 2	2 7 1 1	.1.4	-217 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegota variegota variegota variegota (EN) Pibecia pibecia Samuri bolivienus Callidritz argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis potagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Adurus fulgens fulgens (EN) Helogale parvula Punthera tigris altaica (CR) Actnonya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulna Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus bernicali (EN) Equus hemionus anager (EN) Equus provalskii (EW) Rhinoceros unicornes (EN) Ceratotherium simum simum	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanare Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asianic Wild Ass Przewalsio's Horse Greater One-horned Rhinocero Southern White Rhinoceros	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos gaurus (EN) Bos gaurus (EN) Bos gaurus (EN) Bos gaurus (EN) Hippotragus equinus Hippotragus equinus bakeri Kobus ellipsiprymnus Kobus megaceros Orya gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU) Domestic	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Waterbuck Nile Lochwe Gernsbek Scimitar-horned Oryx Blackbuck Musik Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Gailloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windox White Pygrity	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 2 1		177101 182 2 4 4 2	10 2	2 7 1 1	.1.4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudoviciamus Dolichotis patagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Actronya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulina Halichoerus grypus Proboscidea Elephas maximusi (EN) Perissodactyla Equus burchelli chapmanni Equus grevys (EN) Equus hemionus anager (EN) Equus hemionus anager (EN) Equus hemionus anager (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gety Wolf Brown Bear Red Panda Dwarf Mongoose Amir (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asianic Wild Ass Przewalski's Horse Greater One-horned Rhinocero	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Busbalus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison b	Reticulated Giraffe Nyala Sinahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison Koan Antelope Roan Antelope Common Waterbuck Nile Lochwe Gernsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Gallowary Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygrny Total: Mammals 2	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 2 1		17 10 1 18 2 4	10 2	2 7 1 1	.1.4	-217 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegota variegota variegota variegota (EN) Pibecia pibecia Samuri bolivienus Callidritz argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis potagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Adurus fulgens fulgens (EN) Helogale parvula Punthera tigris altaica (CR) Actnonya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulna Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus bernicali (EN) Equus provalskii (EW) Rhinoceros unicornes (EN) Ceratotherium simum simum	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanare Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asianic Wild Ass Przewalsio's Horse Greater One-horned Rhinocero Southern White Rhinoceros	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos grunnens Syncerus caffer nanus Boson bison bison Boson bison bison Boson bonatus (EN) Hippotragus equinus bakeri Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU) Domestic BIRDS Casuariiformes Dromatus novachollandiae Sphenisciformes Aptenodytes patagonica	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gast Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison Koan Antelope Roan Antelope Common Waterback Nile Lochwe Gernsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouffon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Emu King Penguin	6 10 25 8 8 5 3 1 28 6 4 4 8 9 - 7 11 13 24 20 1 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4	10 2	2 7 1 1	4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hukovicianus Dolichotis patagomun Muscardinus avellanarius (RT) Carnivora Canis hapus Urnus arctos Athurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Actromyc jubatus (VU) Pinnipedia Zalophus californianus Phoca virulina Halichoerus grypus Proboscidea Elephas maximusi (EN) Perissodactyla Equus burchelli chapmanni Equus grevys (EN) Equus hemionus anager (EN) Equus przewalskii (EW) Rhinoceros unicornes (EN) Ceratotherium simum simum Diceros bicornes michaeli (CR) Artiodactyla Hippopotamus amphilius	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanaree Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asiatic Wild Ass Przewalski's Horse Greater One-horned Rhinoceros Black Rhinoceros Black Rhinoceros	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1	Girafia cumelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos gaurus (EN) Bos gaurus (EN) Bos gaurus (EN) Bos gaurus (EN) Hippotragus equinus Hippotragus equinus bakeri Kobus ellipsiprymnus Kobus megaceros Orya gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU) Domestic BIRDS Casuariiformes Dromaina novachollandiae Sphenisciformes Aptenochtes patagonica Eudyptes crestanus crestatus	Reticulated Giraffe Nyala Sinahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygrny Total: Mammals 2 Emu King Pengain Rockhopper Pengain	6 10 25 8 8 5 3 1 28 6 4 8 9 9 7 7 11 13 24 20 1 1 1 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4	10 2	2 7 1 1	42(2)	-217 3/3 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis potagomun Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athurus fulgens fulgens (EN) Helogale parvula Punthera tigris altaica (CR) Actronya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulina Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus barchelli chapmanni Equus grevys (EN) Equus hemionus anager (EN) Equus prevealskii (EW) Rhinocerus unicornes (EN) Ceratotherium simum simum Diceros bicornes michaeli (CR) Artiodactyla Hippopotamus amphibus Hexaprotodan liberiensis (VU)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Grey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grey's Zebra Asiatic Wild Ass Przewalsko's Horse Greater One-horned Rhinocero Southern White Rhinoceros Black Rhinoceros Black Rhinoceros	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos grunnens Syncerus caffer nanus Boson bison bison Boson bison bison Boson bonatus (EN) Hippotragus equinus bakeri Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU) Domestic BIRDS Casuariiformes Dromatus novachollandiae Sphenisciformes Aptenodytes patagonica	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gast Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison Koan Antelope Roan Antelope Common Waterback Nile Lochwe Gernsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouffon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Emu King Penguin	6 10 25 8 8 5 3 1 28 6 4 4 8 9 - 7 11 13 24 20 1 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4	10 2	2 7 1 1	4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pichecia pichecia Saimiri bolivienus Callishrix argentata argentata Leontopichecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludovicianus Dolichotis patagamum Muscardinus avellamarius (RT) Carnivora Canis lupus Ursus arctos Atlurus fulgens fulgens (EN) Helogale parvula Punthera tigris aliasca (CR) Acinomya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulna Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus hemionus anager (EN) Equus prevalskii (EW) Rhinoceros unicornei (EN) Ceratotherium simum simum Diceros bicornis michaeli (CR) Artiodactyla Hippopotamus amphibius Hexaprotodon liberiensis (VU) Lama glama Lama pacos	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asiatic Wild Ass Przewalski's Horse Greater One-horned Rhinoceros Black Rhinoceros Hippopotamus Pygmy Hippopotamus Llarna (domestic) Alpaca (domestic) Alpaca (domestic)	16 3 6 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 2 5 3 1 1 1 4 1 8 8 8 7 4 9 2 2 3 4 4 2 2 2	3			1	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/1 1/3 1/0 1/1 1/3 2/6 1/1 1/3 2/0 2/0	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubalus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bis	Reticulated Giraffe Nyala Sitatianga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffialo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemabok Scimitar-horned Oryx Blackbuck Musik Ox Mouffion Horse: Shire Cream Pory Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-belled Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Emu King Penguin Rockhopper Penguin Humboldt's Penguin	6 10 25 8 5 3 1 28 6 4 4 8 9 · · 7 7 11 13 24 20 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4	10 2	2 7 1 1	42(2)	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 1/1 1/6 1/1 1/1 1/0 1/1 1/1
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	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pichecia pichecia Saimiri bolivienus Callishrix argentata argentata Leontopichecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludovicianus Dolichotis patagamum Muscardinus avellamarius (RT) Carnivora Canis lupus Ursus arctos Atlurus fulgens fulgens (EN) Helogale parvula Punthera tigris aliasca (CR) Acinomya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulna Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus hemionus anager (EN) Equus prevalskii (EW) Rhinoceros unicornei (EN) Ceratotherium simum simum Diceros bicornis michaeli (CR) Artiodactyla Hippopotamus amphibius Hexaprotodon liberiensis (VU) Lama glama Lama pacos	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asiatic Wild Ass Przewalski's Horse Greater One-horned Rhinoceros Black Rhinoceros Hippopotamus Pygmy Hippopotamus Llarna (domestic) Alpaca (domestic) Alpaca (domestic)	16 3 6 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 2 5 3 1 1 1 4 1 8 8 8 7 4 9 2 2 3 4 4 2 2 2	3			1	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/1 1/3 1/0 1/1 1/3 2/6 1/1 1/3 2/0 2/0	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubalus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bis	Reticulated Giraffe Nyala Sitatianga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffialo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemsbok Scimitar-horned Oryx Blackbuck Musik Ox Mouffion Horse: Shire Cream Pory Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-belled Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Emu King Penguin Rockhopper Penguin Humboldt's Penguin	6 10 25 8 5 3 1 28 6 4 4 8 9 · · 7 7 11 13 24 20 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4	10 2	2 7 1 1	4	-217 3/3 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis potagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athurus fulgens fulgens (EN) Helogale parvula Punthera tigris altaica (CR) Actnonya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulina Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus barchelli chapmanni Equus grevys (EN) Equus hemionus anager (EN) Equus previolskii (EW) Rhinoceras unicornas (EN) Ceratotherium simum simum Diceros bicornas michaeli (CR) Artiodactyla Hippopotamus amphibus Hexaprotodan liberiensis (VU) Lama glama Lama pacos Camelus bactrianus Muntiacus reevesi Dama dama Dama dama	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Maemoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gety Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asiatic Wild Ass Przewalski's Horse Greater One-horned Rhinocero Southern White Rhinoceros Black Rhinoceros Black Rhinoceros Hippopotamus Pygmy Hippopotamus Liama (domestic) Apacia (domestic) Bactrian Cameric Bactrian Cameric Fallow Deer (black form)**	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1 4 1 8 8 8 7 7 8 8 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	25	The second of the second secon	1	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1 1/1 1/3 2/0 4/11 -2/5 -50	Girafia camelopardatas reticulatas Tragelophus angasi Tragelophus spekei Tragelophus strepsiceros Boselophus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos gaurus (EN) Boson bison Boson bison Boson bison	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lochwe Gernsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windox White Pygmy Total: Mammals 2 Emu King Penguin Rockhopper Penguin Humboldi's Penguin White Stork Scarlet Ibis	6 10 25 8 8 5 3 1 28 6 4 4 8 9 9 7 7 11 13 24 220 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4 4 2	10 2	2 7 1 1	42(2)	-217 3/3 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 1/6 1/6 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	Mammals Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegota variegota variegota variegota (EN) Pibhecia pibhecia Samiri bolivienus Callishrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis patagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Adurna fulgens fulgens (EN) Helogale parvula Punthera tigris aliasca (CR) Actnonya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulma Halvchoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus barchelli chapmanni Equus greys (EN) Equus previolikii (EW) Rhinocros unicornes (EN) Ceratotherium simum simum Diceros bicornis michaeli (CR) Artiodactyla Happopotamus amphihus Hexaprotodon liberiensis (VU) Lama glama Lama pacos Camelus bactriomus Munteas reevesi Duma dama Axis axis	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanaree Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asian's Wild Ass Przewalsio's Horse Greater One-horned Rhinocero Southern White Rhinoceros Black Rhinoceros Hippopotamus Pygmy Hippopotamus Llarna (domestic) Alpaca (domestic) Bactrian Camel (domestic) Reeves's Muntjac** Fallow Deer Fallow Deer Fallow Deer Fallow Deer Fallow Deer Fallow Deer	16 3 6 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1 8 8 7 4 9 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	25 3 8 		3 . 1 1 2	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1 1/1 1/3 2/0 2/0 4/11 -2/5 12/17/6 -50 18/32/5	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos gaurus (EN) Bos gaurus (EN) Bison Bis	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison European Bison Roan Antelope Common Waterbuck Nile Lochwe Gemsbok Scimitar-horned Oryx Blackbuck Musik Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Emu King Pengain Rockhopper Pengain Humbold's Pengain White Stork Soarlet Ibis Rosy Flamingo	6 10 25 8 8 5 3 1 28 6 4 4 8 9 9 7 7 11 13 24 220 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4 4 2	10 2	2 7 1 1	42(2)	-217 3/3 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis potagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athurus fulgens fulgens (EN) Helogale parvula Punthera tigris altaica (CR) Actnonya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulina Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus barchelli chapmanni Equus grevys (EN) Equus hemionus anager (EN) Equus previolskii (EW) Rhinoceras unicornas (EN) Ceratotherium simum simum Diceros bicornas michaeli (CR) Artiodactyla Hippopotamus amphibus Hexaprotodan liberiensis (VU) Lama glama Lama pacos Camelus bactrianus Muntiacus reevesi Dama dama Dama dama	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Maemoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gety Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asiatic Wild Ass Przewalski's Horse Greater One-horned Rhinocero Southern White Rhinoceros Black Rhinoceros Black Rhinoceros Hippopotamus Pygmy Hippopotamus Liama (domestic) Apacia (domestic) Bactrian Cameric Bactrian Cameric Fallow Deer (black form)**	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1 4 1 8 8 8 7 7 8 8 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	25	The second of the second secon	1	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1 1/1 1/3 2/0 4/11 -2/5 -50	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos garansens Syncerus cafer nanus Boson bison bison Boson bison bison Boson bosonsus (EN) Hippotragus equinus bakeri Kobus ellipsiprymmus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU) Domestic BIRDS Casuariiformes Aptenodytes patagonica Eudyptes crestonus crestonus Sphenisciformes Aptenodytes patagonica Eudyptes crestonus crestonus Sphenisciformes Ciconia focusa ciconia Eudocimus nuter Phoenicopterus ruber ruber Phoenicopterus ruber roseus Anseriformes Cygnus atratus Anseriformes Cygnus atratus	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison European Bison Roan Antelope Roan Antelope Common Waterback Nile Lechwe Gernsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouffon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Emu King Penguin Rockhopper Penguin Humboldi's Penguin White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo Greater Flamingo Black Swan	6 10 25 8 8 5 3 1 28 6 4 4 8 9 9 7 7 11 13 24 220 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4 4 2		2 7 1 1	42(2)	-217 3/3 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 1/1 1/6 1/1 1/6 1/1 1/0/3
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Calliahrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludoviciamus Dolichotis potagomun Muscardinus arvellanarius (RT) Carnivora Canis lupus Urnus arctos Ailurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Acinonya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulina Halichoerus grypus Proboscidea Elephas maximusi (EN) Perissodactyla Equus burchelli chapmanni Equus greys (EN) Equus hemionus anager (EN) Equus przewalskii (EW) Rhinocerus unicornes (EN) Ceratotherium simum simum Diceros bicornis michaeli (CR) Artiodactyla Hippopotamus amphibius Hexaprotodon liberiensis (VU) Lana glama Lama pacos Camelus buctrianus Muntiacus reevesi Duma dama Axis axus Axis porcinus Cerrus durauceli (VU) Cerrus nippon	Red-necked (Bennett's) Wallaby** White Wallaby White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmonet Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Grey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant "Chapman's Zebra Grey's Zebra Asiatic Wild Ass Przewalsko's Horse Greater One-horned Rhinocero Southern White Rhinoceros Black Rhinoceros Hippopotamus Llarna (domestic) Bactrian Cameli (domestic) Reeves's Muntjac** Fallow Deer Fallow Deer Fallow Deer Barasingha/Swamp Deer Sika Deer	16 3 6 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1 8 8 7 9 2 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18	3	25 3 8		3. 1 1	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos garus (VU) Bos garusiero Symcerus caffer nanus Bison Bis	Reticulated Giraffe Nyala Sinahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison Roan Antelope Common Waterbuck Nile Lechwe Gernsbek Scimitar-horned Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygrny Total: Mammals 2 Emu King Penguin Rockhopper Penguin Humboldr's Penguin White Stork Soarlet Ibis Rosy Flamingo Greater Flamingo Greater Flamingo Black Swan Whooper Swan	6 10 25 8 8 5 3 1 28 6 4 4 8 9 9 7 7 11 13 24 220 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4 4 2	10 2	2 7 1 1	42(2)	-217 3/3 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0/3 1/1 1/0/3 1/1
	Mammals Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callishrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hukovicianus Dolichotis potagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Urnus arctos Athurus fulgens fulgens (EN) Helogale parvula Punthera tigris altaica (CR) Actromyz jubatus (VU) Pinnipedia Zaloghus californianus Phoca virulina Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus burchelli chapmanni Equus grevys (EN) Equus hemionus anager (EN) Equus przewalskii (EW) Rhinoceros unicornes (EN) Ceratotherium simum simum Diceros bicornes michaeli (CR) Artiodactyla Hippopotamus amphibius Hexaprotodon liberiensis (VU) Lana glama Lana pacos Camelus bactriamus Aduntacus reevesi Duma dama Duma dama Asis aus Asis porcinus Cerrus duvauceli (VU) Cervus ruppon Elaphurus davidiamus (CR)	Red-necked (Bennett's) Wallaby** White Wallaby White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Black-capped Squirrel Monkey Silvery Marmonet Golden-beaded Lion Tamarin Chimpanaree Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grey's Zebra Aniatic Wild Ass Przewalski's Horse Greater One-horned Rhinoceros Black Rhinoceros Hippopotamus Pygmy Hippopotamus Llara (domestic) Alpaca (domestic) Alpaca (domestic) Reeves's Muntjac** Fallow Deer Fallow Deer Fallow Deer Fallow Deer Barasingha/Swamp Deer Sika Deer Père David's Deer	16 3 6 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 2 5 3 1 1 1 8 8 7 7 9 2 1 1 1 1 1 1 1 1 1 1 1 1 1	3	25 3 8 - 1 - 5 - 1 - - - 3 1 6 - - - - - - - - - - - - - - - - - -		3. 1 1	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1 1/1 1/3 2/6 1/1 1/3 2/6 1/1 1/3 2/6 1/1 1/3 2/6 1/1 1/3 2/6 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus strepsiceros Boselaphus strepsiceros Bubolus depressicornis (EN) Bos garuniero Symcerus caffer nanus Bison b	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison European Bison Roan Antelope Roan Antelope Common Waterback Nile Lechwe Gernsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouffon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Emu King Penguin Rockhopper Penguin Humboldi's Penguin White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo Greater Flamingo Black Swan	6 10 25 8 8 5 3 1 28 6 4 4 8 9 9 7 7 11 13 24 220 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4 4 2		2 7 1 1	42(2)	-217 3/3 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 1/1 1/6 1/1 1/6 1/1 1/0/3
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Calliahrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludoviciamus Dolichotis potagomun Muscardinus arvellanarius (RT) Carnivora Canis lupus Urnus arctos Ailurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Acinonya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulina Halichoerus grypus Proboscidea Elephas maximusi (EN) Perissodactyla Equus burchelli chapmanni Equus greys (EN) Equus hemionus anager (EN) Equus przewalskii (EW) Rhinocerus unicornes (EN) Ceratotherium simum simum Diceros bicornis michaeli (CR) Artiodactyla Hippopotamus amphibius Hexaprotodon liberiensis (VU) Lana glama Lama pacos Camelus buctrianus Muntiacus reevesi Duma dama Axis axus Axis porcinus Cerrus durauceli (VU) Cerrus nippon	Red-necked (Bennett's) Wallaby** White Wallaby White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmonet Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Grey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant "Chapman's Zebra Grey's Zebra Asiatic Wild Ass Przewalsko's Horse Greater One-horned Rhinocero Southern White Rhinoceros Black Rhinoceros Hippopotamus Llarna (domestic) Bactrian Cameli (domestic) Reeves's Muntjac** Fallow Deer Fallow Deer Fallow Deer Barasingha/Swamp Deer Sika Deer	16 3 6 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1 8 8 7 9 2 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18	3	25 3 8		3. 1 1	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1 1/3 2/6 1/1 1/3 2/0 2/0 4/11 -25 12/17/6 -50 18/32/5 12/16/6 18/22 10/15/8	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos garus (VU) Bos garusiero Symcerus caffer nanus Bison Bis	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Waterbuck Nile Lochwe Gernsbok Scimitar-horned Oryx Blackbuck Musik Ox Mouffon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Eimu King Pengain Rockhopper Pengain Humbold's Pengain White Stork Soarlet Ibis Rosy Flamingo Greater Flamingo Greater Flamingo Greater Flamingo Greater Flamingo Greater Swan Coscoroba Swan Coscoroba Swan	6 10 25 8 8 5 3 1 28 6 4 4 8 9 9 7 7 11 13 24 220 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4 4 2		2 7 1 1	42(2)	-217 3/3 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/1

			1	2	3	4	5	6	7/8			1	2	3	4	5	6	7/8
	Acanthoscurria geniculata	White-kneed Bird-eating Spider	r 1				63	0/1	IM	Blattodea	Miles Miles Cale of							
	Aphonophelma chalcodes	Mexican Blond						0.00	104	Gromphadorhina portentosa Periplaneta americana	Malagasy Hissing Cockroach American Cockroach		DE.	nr nr	200	ne/100	0/0/50	A/D A/M
	Pseudotheraphosa apophysis	Bird-eating Spider Pink-toed Goliath Spider	1					0/1	I/M I/M	Princisia vanwerebecki	Hissing Cockroach	6	W	nr		na/55	7/12	I/B
	Laxiodora parahybana	Brazilian Bird-eating Spider	1					0/2/1	IM	Archimandrita tessellata	Bullshead Cockroach	12	DE .	nr	*	na/6	2/2	NB
		Chile Rose Bird-eating Spider	3	1.		1		0/0/4	I/M	Mantodea								
		Feather-leg Baboon Spider Bird-eating Spider	1					0/1	I/M I/M	Sphodromantis sp.	African Praying Mantis	3	DE .	nr		-17	0/0/1	I/B
	Poecilotheria regalis	Indian Omamental Spider						0/1	I/M	Tenodera sp.	Chinese Praying Mantis		nr	Br				ND
		Sri Lankan Omamental Spider Indian Tiger Spider			1			0/1	I/M I/M	Phasmatodea								
		Wolf Spider	1					1/0	I/M	Acrophylla wwelfingi Eurycantha calcarata	Queensland Titan Stick Insect Indonesian Spiny Stick Insect		DF .	nr	*	ne/50	1/2	1/B 1/B
	CONTROL OF THE PROPERTY OF THE	Golden Orb Weaver	20	nr	nr	nr			I/N	Extatosoma tiaratum	Macleay's Spectre Stick Insect		Dr.	THE THE		ns/27 ns/10	0/1	1/8
		Senegalese Giant Orb Spider North American Black Spider	30	nr.	nr	DF	-/21	0/1	IN	Heteropteryx dilatata	Malaysian Jungle Nymph	10	nr	M		ne/10	3/9	1/B
		Western Black Widow	1		6		-/2	0/1	I/D I/M	Carausius morossus Sypyloides sipylus	Indian Stick Insect Pink-wing		nr	nr	30	-70		I/D
	Latrodectus geometricus	Brown Black Widow	1	-		-		0/1	I/M	Phylliam sp.	Leaf Insect	6	mr.	nr 6	30	ns/30	0/0/30	ND ND
	CONTRACTOR OF THE CONTRACTOR O	Crab Spider		nr	or		-	1/1	IM	Catanana								
	Phiddipus audax	Jumping Spider		11.7				1.0	IM	Coleoptera Mnemotidium multipunctatum	African Dung Beetle		or	W.	23	233	-	MD.
	Scorpiones				100			1000		Unidentified species	South African Large Dung Beetle		nr	m .		THE	0/0/3	ND
		Tunisian Fat-tailed Scorpion Fat-tailed Scorpion			1			0/0/1	VM VM	Unidentified species	African Dung Beetle		nr	nr		10	*	ND
		Yellow Scorpion		1				0/0/1	I/M	Polposipus herculeanus (CR) Anthia sexguttata	Giant Fregate Beetle Domino Beetle	20	87	24	22	melor	0/0/117	
	Buthus sp.	Chinese Scorpion						0/0/1	I/M	Xyloturpes gideon	Sumatran Rhino Beetle		DF.	nr.		ne/- ne/30	0/0/3	I/D I/M
		Imperial Scorpion Malagasy Jungle Scorpion		mr	ter		- /50	0/0/21	I/M	Unidentified species	Chequered Ground Beetle			5		m/-	0/0/5	MD
		Indian Scorpion	6	-	10	4	-/2	001	I/M I/D	Unidentified species Blaps mucronata	Large Ground Beetle Churchyard Beetle	*	nr	Br .	*			ND .
	Euscorpius flavicaudus	European Scorpion		10	2				I/D	Blaps sp.	Desert Beetle	20	IN.	nr nr		THE	0/0/10	ND ND
	The state of the s	Seychelles Scorpion	20	*	2		-	1/1/16	IN	Unidentified species	Minotaur Beetle	-	nr .	nr				VD
	Centrarotaer sp.	American Desert Scorpion		1.0			**	0/0/1	IN	Unidentified species Unidentified species	Tenebrionid Beetle		rer .	DE	13			ND ON
	Solifugae									Cybister laterimarginalis	Large Tenebrionid Beetle Diving Beetle	10	to:	DI DI	2	mr/-	0.0%	ND ND
	Galeodes sp.	Egyptian Solifuge			2		-		ID	Unidentified cerambycid	Indian Longhorn Beetle	1		1				ND.
	MYRIAPODA									Diptera								
	China									Drosophila melanogaster	Fruit Fly		er	rer		ne		C/M
	Chilopoda Scolopendra gigantea	Giant Centipede		4.5	1	100	1	0/0/1	DM.	Calliphora vomitoria	Bluebottle	1	nr	ne		nr	0/0/1	C/M
		Egyptian Giant Centipede	i				-	0/0/1	I/M	Lepidoptera								
								0.000	1000	Bombya mori	Silkworm	00	er	te	+ -	300/-		AM
	Diplopoda /s/eser sp.	Giant Millipede		nr	nr		nn/30	0/0/6	I/B	Heliconius charitonius Heliconius melpomene	Zebra Butterfly Postman Butterfly	10	er	DE	40	m(100	0/0/65	I/D
	Sechelleptus seychellarum	Seychelles Giant Millipede	19	nr.	DL.	85	nr/356	0/0/19	I/B	Attacus atlas	Atlas Moth	9	".	3		m/100 -/6	-	A/M I/D
	Epibolus pulchripes	Mombassan Train Millipede		nr	nr		nn/30	0/0/5	1/B			100				-		
		Fire Millipede Malaysian Giant Millipede			1				I/D	Hymenoptera Ampulex compressa	Jewel Wasp	8		-		-	1/2	I/D
		rampan our rampos	20700	- 35	- 2		200	1000	***	Apis mellifera	Honeybee	î	m	1		DE .		C/M
	INSECTA									Atta cephalotes	Leaf-cutting Ant		m	HI.		THE .		CM
	Orthoptera									Formica rufa (VU) Pseudomyrmex ferruginia	Red Wood Ant Acacia Ant	1		1	-			C/D C/D
		Mole Cricket	6		-1	10		3/2	IN		Financia Fina				-		-	00
	Schistocerca gregaria	Desert Locust	500	ne	ter		ne/300	0/0/200	A/B	Hemiptera	America Thora		1922	40	20			im.
		African Field Cricket British Field Cricket	-	nr 1715	nr 862	1050	ne/300 -/51	0/0/200	AB IB	Platymerus biguttata Notonecta glauca	Assassin Bug Water Boatman	20	THE .	DE .	2	mr.	0/0/20	I/D I/N
	ALLEGO CONTRACTOR OF THE CONTRACTOR OF T	Cave Cricket		DI.	802	1030	nt/170	0/0/20	A/B			775				10	1000	100
		British Wart-biter Cricket		148	124	24	4000/-		VM		Total Invertebrates at 31.12.99:	1000	- 6228 -	12				et marles
		Wellington Tree Weta Poor Knights Weta	22		27		200/-	3/2	AM IN		Total invertebrates at 31.12.99	appro	E 0238 5	pecimer	15; 40 (consumer;	appres.	se species
		Giant South						NA.	10.00									
	double to the second of the se	American Grasshopper			6/4		100/-		AM									
	The state of the s	Whistle Cricket King Cricket	10		10		50/-		A/N I/D									
			-	_	_													
			_	_		-	-		× - ×			~		-			_	
	WHIPSNADE WILD ANIMA	L PARK										1	3	3		5	6	,
		L PARK		,				2		Hydropotes inermis		1	3	3		5	4	-217
	WHIPSNADE WILD ANIMA MAMMALS	L PARK	1	2	,		5	6	7	Giraffa camelopardalis reticulata	Reticulated Giraffe	6	1	3	4	5	4	
Ī	MAMMALS Diprotodontia		1	2	3		5	6	,				3	3 . 1 . 7 10	4 4 1	5	6 .1 .4	-217 3/3 4/7 4/19
	MAMMALS	Red-necked (Bennett's)	1	2	3		5	6		Giraffa camelopardalis reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros	Reticulated Giraffe Nyala Sitatunga Greater Kudu	6		1 7	4 41 .	5	11.4.	-217 3/3 4/7 4/19 2/6
	MAMMALS Diprotodontia Macropus rufogriseus frutica	Red-necked (Bennett's)	1 -600 16	2	3		5	6	-600 7/8	Giraffa camelopardalis reticulata Tragelophus angasi Tragelophus spekei Tragelophus strepsiceros Boselophus stragocamelus	Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai 1	6 10 25		1 7	4 4 1	5	1	-217 3/3 4/7 4/19
	MAMMALS Diprotodontia Macropus rufogriseus frutica	Red-necked (Bennett's) Wallaby**		2	3				-600	Giraffa camelopardalis reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros	Reticulated Giraffe Nyala Sitatunga Greater Kudu	6 10 25 8 5 3 1	*	1 7 10 1	4 1	5		-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus fruica Macropus rufogriseus Macropus parma	Red-necked (Bennett's) Wallaby** White Wallaby	16	2	3				-600 7/8	Girafía camelopardata reticulata Tragelaphus angasi Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos grunniens	Reticulated Giraffe Nyala Sitahanga Greater Kuda Nilgai 1 Lowland Anoa Gaur Yak (domestic)	6 10 25	1	1 7	4 4 1	5		-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus	Red-necked (Bennett's) Wallaby** White Wallaby	16	2	3				-600 7/8	Giraffa camelopardata reticulata Tragelaphus appasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Bubalus depressicornis (EN) Bos graens (VU) Bos graensens Syncerus caffer nanus	Reticulated Giraffe Nyala Sitahanga Greater Kuda Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo	6 10 25 8 5 3 1		1 7 10 1	4 1	5		-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1
	MAMMALS Diprotodontia Macropus rafogriseus frutica Macropus rafogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Leman	16	2	3				-600 7/8 2/2 8/0	Girafía camelopardata reticulata Tragelaphus angasi Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos grunniens	Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison	6 10 25 8 5 3 1	1	1 7 10 1	4 1	5	1	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur	16	3	3				-600 7/8 2/2	Girafia cameiopardata reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer namus Bison bison bison Bison bison bison Bison bonasus (EN) Hippotragus equinus	Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope	6 10 25 8 5 3 1	3	1 7 10 1	4 1	5		-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/2 1/7 2/4
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia púbecia	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Leman	16 3 6 2 2	3	3 2 2 2				-600 7/8 2/2 8/0 1/1 2/1 6/6	Girafia cameiopardata reticulata Tragelaphus angasi Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos grunniero Synicerus caffer nanus Boson bison Boson bison Boson bonatus (EN) Hippotragus equinus bakeri	Reticulated Giraffe Nyala Sinahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Roan Antelope	6 10 25 8 5 3 1	1	1 7 10 1	4 1	5	1	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey	16 3 6 2 2	3	3 2 2 2				-600 7/8 2/2 8/0 1/1 2/1	Girafia cameiopardata reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer namus Bison bison bison Bison bison bison Bison bonasus (EN) Hippotragus equinus	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe	6 10 25 8 5 3 1 28 6 4 8 9	1	1 7 10 1	4 1	5	1 . 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus purma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey	16 3 6 2 2	3	3 2 2 2				-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1	Giraffa camelopardata reticulata Tragelophus angasi Tragelophus spekei Tragelophus strepsiceros Boselophus tragocamelus Bubalus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bonasus (EN) Hippotragus equinus Hippotragus equinus bakeri Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemsbok	6 10 25 8 5 3 1 28 6 4 8 9 -7 11 13	1	1 7 10 1	4 1	5	1 . 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callitrix argentata argentata Leontopithecus	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squarel Monkey Silvery Marmoset	16 3 6 2 2	3	3 2 2 2				-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1	Giraffa cameiopardata reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Bubalus depressicornis (EN) Bos grunniens Syncerus caffer nanus Boson bison bison Bison boson bison Bison bonasus (EN) Hippotragus equinus Hippotragus equinus Hippotragus equinus Kobus ellipsiprymnus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterback Nile Lochwe Gemsbok Scimitar-horned Oryx	6 10 25 8 5 3 1 28 6 4 8 9	1	1 7 10 1	4 1	5	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callabrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin	16 3 6 2 2	3	3				-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos grunuses Syncerus caffer nanus Boson bison bison Boson bison bison Boson bison bison Boson bonatus (EN) Hippotragus equinus Hippotragus equinus bakeri Kobus ellipsiprymmus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus	Reticulated Giraffe Nyala Sitathanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gernsbok Scimitar-horned Oryx Blackbuck Musk Ox	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 4/1 0/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri boliviensis Callishrix argentata argentata Leontopithecus chrysomelas (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanaree Black-tailed Prairie Dog**	16 3 6 2 2 2 11 3 4 9	3	3				-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3	Giraffa cameiopardata reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Bubalus depressicornis (EN) Bos grunniens Syncerus caffer nanus Boson bison bison Bison bonatus (EN) Hippotragus equinus Hippotragus equinus Hippotragus equinus Kobus ellipsiprymnus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dummah (CR) Antilope cervicapra (VU)	Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechswe Gemitok Scimitar-horned Oryx Blackbuck	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimirt bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludovicianus Dolichotis patagonum	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara**	16 3 6 2 2 2 11 3 4 9	3	3				-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos grunuses Syncerus caffer nanus Boson bison bison Boson bison bison Boson bison bison Boson bonatus (EN) Hippotragus equinus Hippotragus equinus bakeri Kobus ellipsiprymmus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gernsbok Scimitar-homed Oryx Blackbuck Musk Ox Mouflon	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya hulovicianus	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanaree Black-tailed Prairie Dog**	16 3 6 2 2 2 11 3 4 9	3	3 2 2 2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Guar Yak (domestic) Dwarf Forest Buffalo American Prainie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemsbok Scimitar-homed Oryx Blackbuck Musk Ox Mouflon Horse: Shire	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callidrix argentata argentata Leontopithecus chrysomelas (EN) Pan iroglodytes (EN) Rodentia Cynomys ludovicianus Dolichotis patagonum Muscardinus avellanarius (RT) Carnivora	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prainie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouflon	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callishrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludovicianus Dolichotis potagonum Muscardinus avellanarius (RT) Carnivora Canis lupus	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf	16 3 6 2 2 2 11 3 4 9	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Antelope Roan Antelope Common Waterbuck Nile Lochwe Gemsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form)	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1 18 2 2 - 4 4	10 2	2 2 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/0
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callidrix argentata argentata Leontopithecus chrysomelas (EN) Pan iroglodytes (EN) Rodentia Cynomys ludovicianus Dolichotis patagonum Muscardinus avellanarius (RT) Carnivora	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Grey Wolf Brown Bear Red Panda	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sinahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffialo American Prairie Bison European Bison European Bison Roan Antelope Roan Antelope Roan Antelope Common Waterbuck Nile Lochwe Gemsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey:	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1771011188244	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/7 2/4 1/0 1/6 4/4 4/4 0/1 0/1 0/1 1/0
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Sainiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hukoviciamus Dolichotis patagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Urasa arctos Allurus fulgens fulgens (EN) Helogale parvula	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Antelope Roan Antelope Common Waterbuck Nile Lochwe Gemsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form)	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1 18 2 2 - 4 4	10 2	2 2 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/0 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegota variegota variegota variegota (EN) Pibecia pibecia Samuri bolivienus Callishrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis patagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athuna fulgens fulgens (EN) Helogale parvula Panthera tigris altasca (CR)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Guar Yak (domestic) Dwarf Forest Buffalo American Prainie Bison European Bison Roan Antelope Roan Antelope Roan Antelope Common Waterback Nile Lechwe Gemsbok Scimitar-homed Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig: Oxford Sandy x Black Pig Pot-bellied Pig	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1 18 2 2 - 4 4	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/1 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callabrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludoviciamus Dolichotis patagomun Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Acinonya jubatus (VU)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gast Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Europe	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1 18 2 2 - 4 4	10 2	2 2 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/0 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Sainiri bolivienus Callahrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hukoviciamus Dolichotis patagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athuna fulgens fulgens (EN) Helogale parvula Panthera tigris altasca (CR) Acinonya jubatus (VU) Pinnipedia	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose Armar (Siberian) Tiger Cheetah	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Guar Yak (domestic) Dwarf Forest Buffalo American Prainie Bison European Bison Roan Antelope Roan Antelope Roan Antelope Common Waterback Nile Lechwe Gemsbok Scimitar-homed Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig: Oxford Sandy x Black Pig Pot-bellied Pig	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1 1	1 7 10 1 18 2 2 - 4 4	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callabrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludoviciamus Dolichotis patagomun Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Acinonya jubatus (VU)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sinahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffialo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemabok Scimitar-horned Oryx Blackbuck Musik Ox Mouffion Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Bison European Bison European Bison European Bison European Bison European Materbuck Nile Lechwe Gemabok Scimitar-horned Oryx Black Dox Mouffion Horse: Shire Cream Forny Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Galloway Red Poll Sheep: Lincoln Longwool Hampshire	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24	1	1 7 10 1 18 2 2 - 4 4	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Calliahrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludoviciamus Dolichotis potagoman Muscardinus avellanarius (RT) Carnivora Canis lupus Urasa arctos Ailurus fulgens fulgens (EN) Helogale parvula Panshera ugris altaica (CR) Acinonya jubatus (VU) Pinnipedia Zalophus californianus	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmonet Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Silverian) Tiger Cheetah Californian Sealion	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Praine Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemsbok Scimitar-horned Oryx Blackbuck Musik Ox Mouffon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced	6 10 25 8 5 3 1 28 6 4 8 9 · · 7 11 13 24 20 1 1 1 2 1 · · · · · · · · · · · · · · ·	1	1 7 10 1 18 2 2 - 4 4	10 2	2 7 1 1	1 4	-217 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Sainiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hulovicianus Dolichotis patagomun Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Acinonya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulina	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gety Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Silverian) Tiger Cheetah Californian Sealion Common Seal	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			3 . 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sinahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffialo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemabok Scimitar-horned Oryx Blackbuck Musik Ox Mouffion Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Bison European Bison European Bison European Bison European Bison European Materbuck Nile Lechwe Gemabok Scimitar-horned Oryx Black Dox Mouffion Horse: Shire Cream Forny Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Galloway Red Poll Sheep: Lincoln Longwool Hampshire	6 10 25 8 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 - 1 2 1 1 1 1	1	1 7 10 1 18 2 2 - 4 4	10 2	2 7 1 1	1 4	-217 3/3 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callibrix apientata argentata Leontopithecus chrysomelas (EN) Pan iroglodytes (EN) Rodentia Cynomys ludovicianus Dolichotis potagonum Muscardinus avellanarius (RT) Carnivora Canis lupus Urnus arctos Ailurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Acenorya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulna Halichoerus grypus	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gety Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Silverian) Tiger Cheetah Californian Sealion Common Seal	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10	3			3 . 1 1 1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Praine Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouffon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 2 1 - 1 2 1 1 1 10 11 19	3	1 7 10 1 18 2 2 - 4 4	10 2	2 7 1 1	1 4	-217 3/3 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis patagoman Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Alturna fulgens fulgens (EN) Helogale parvula Punthera tigris altaica (CR) Acinonya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulina Malichoerus grypus Proboscidea Elephas maximusi (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal	16 3 6 2 2 2 7 11 3 4 9 -100 -210 10 14 5 8 5 2 5 5	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Waterbuck Nile Lochwe Gernsbek Scimitar-horned Oryx Blackbuck Musik Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Gailloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windox White Pygrity	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 2 1		177101 182 2 4 4 2	10 2	2 7 1 1	.1.4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Sainari bolivienus Callibrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys ludovicianus Dolichotus potagonum Muscardinus avellanarius (RT) Carnivora Canis lupus Urnus arctos Athuna fulgens fulgens (EN) Helogale parvala Panthera tigris altaica (CR) Actronyc jubatus (VU) Pinnipedia Zalophus californianus Phoca virulna Halvchoerus grypus Proboscidea	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose Amir (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/2 1/4 1/2 1/0 0/1	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Waterbuck Nile Lochwe Gernsbek Scimitar-horned Oryx Blackbuck Musik Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Gailloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windox White Pygrity	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 2 1 - 1 2 1 1 1 10 11 19	3	1 7 10 1 18 2 2 - 4 4	10 2	2 7 1 1	1 4	-217 3/3 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan irogiodytes (EN) Rodentia Cynomya ludovicianus Dolichotis patagonum Muscardinus avellanarius (RT) Carnivora Canis lupus Urnus arctos Atlurus fulgens fulgens (EN) Helogale parvula Panthera itgris altaica (CR) Acinonya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulina Halichoerus grypus Proboscidea Elephas maximusi (EN) Perissodactyla Equus burchelli chapmanni Equus grevyi (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanaee Black-tailed Prairie Dog** Mara** Common Dormouse Grey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Waterbuck Nile Lochwe Gernsbek Scimitar-horned Oryx Blackbuck Musik Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Gailloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windox White Pygrity	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 2 1		177101 182 2 4 4 2	10 2	2 7 1 1	.1.4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Sainist bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglochites (EN) Rodentia Cynomys ludovicianus Dolichotis potagonum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Atlurus fulgens fulgens (EN) Helogale parvula Panthera ugris altaica (CR) Acinomys jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulina Halichoerus grypus Proboscidea Elephas maximusi (EN) Perissodactyla Equus burchelli chapmanni Equus grevyi (EN) Equus hemionus anager (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmonet Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Grey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grey's Zebra Asiatic Wild Ass	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/2 1/4 1/2 1/0 0/1	Girafia cameiopardatas reticulata Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubahus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bison bison Bison bison bison Bison bonanus (EN) Hippotragus equinus Huppotragus equinus Huppotragus equinus Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU)	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Waterbuck Nile Lochwe Gernsbek Scimitar-horned Oryx Blackbuck Musik Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Gailloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windox White Pygrity	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 2 1		177101 182 2 4 4 2	10 2	2 7 1 1	.1.4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan irogiodytes (EN) Rodentia Cynomya ludovicianus Dolichotis patagonum Muscardinus avellanarius (RT) Carnivora Canis lupus Urnus arctos Atlurus fulgens fulgens (EN) Helogale parvula Panthera itgris altaica (CR) Acinonya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulina Halichoerus grypus Proboscidea Elephas maximusi (EN) Perissodactyla Equus burchelli chapmanni Equus grevyi (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemur Black-&-white Ruffed Lemur White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanaee Black-tailed Prairie Dog** Mara** Common Dormouse Grey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3	Girafia camelopardatas reticulata Tragelaphus angasi Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos grunniero Synicerus caffer nanus Bison Kobus edilpsiprymnus Kobus edilpsiprymnus Kobus edilpsiprymnus Kobus megaceros Orya gazella Orya damah (CR) Antilope cervicapra (VU) Ovibus moschutus Ovis orientalis musimon (VU) Domestic BIRDS Casuariliformes	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Waterbuck Nile Lochwe Gernsbek Scimitar-horned Oryx Blackbuck Musik Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Gailloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windox White Pygrity	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 2 1		177101 182 2 4 4 2	10 2	2 7 1 1	.1.4	-217 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegota variegota variegota variegota (EN) Pibecia pibecia Samuri bolivienus Callidritz argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis potagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Adurus fulgens fulgens (EN) Helogale parvula Punthera tigris altaica (CR) Actnonya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulna Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus bernicali (EN) Equus provalskii (EW) Rhinoceros unicornes (EN) Ceratotherium simum simum	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanare Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asianic Wild Ass Przewalsio's Horse Greater One-horned Rhinocero Southern White Rhinoceros	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos gaurus (EN) Bos gaurus (EN) Bos gaurus (EN) Bos gaurus (EN) Hippotragus equinus Hippotragus equinus bakeri Kobus ellipsiprymnus Kobus megaceros Orya gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU) Domestic	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Waterbuck Nile Lochwe Gernsbek Scimitar-horned Oryx Blackbuck Musik Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Gailloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windox White Pygrity	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 2 1		177101 182 2 4 4 2	10 2	2 7 1 1	.1.4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudoviciamus Dolichotis patagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Actronya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulina Halichoerus grypus Proboscidea Elephas maximusi (EN) Perissodactyla Equus burchelli chapmanni Equus grevys (EN) Equus hemionus anager (EN) Equus hemionus anager (EN) Equus hemionus anager (EN)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gety Wolf Brown Bear Red Panda Dwarf Mongoose Amir (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asianic Wild Ass Przewalski's Horse Greater One-horned Rhinocero	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Busbalus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison b	Reticulated Giraffe Nyala Sinahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison Koan Antelope Common Waterbuck Nile Lochwe Gernsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Gallowary Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygrny Total: Mammals 2	6 10 25 8 5 3 1 28 6 4 8 9 - 7 11 13 24 20 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 2 1		17 10 1 18 2 4	10 2	2 7 1 1	.1.4	-217 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegota variegota variegota variegota (EN) Pibecia pibecia Samuri bolivienus Callidritz argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis potagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Adurus fulgens fulgens (EN) Helogale parvula Punthera tigris altaica (CR) Actnonya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulna Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus bernicali (EN) Equus provalskii (EW) Rhinoceros unicornes (EN) Ceratotherium simum simum	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanare Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asianic Wild Ass Przewalsio's Horse Greater One-horned Rhinocero Southern White Rhinoceros	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos grunnens Syncerus caffer nanus Boson bison bison Boson bison bison Boson bonatus (EN) Hippotragus equinus bakeri Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU) Domestic BIRDS Casuariiformes Dromatus novachollandiae Sphenisciformes Aptenodytes patagonica	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gast Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison Koan Antelope Roan Antelope Common Waterback Nile Lochwe Gernsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouffon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Emu King Penguin	6 10 25 8 8 5 3 1 28 6 4 4 8 9 - 7 11 13 24 20 1 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4	10 2	2 7 1 1	4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hukovicianus Dolichotis patagomun Muscardinus avellanarius (RT) Carnivora Canis hapus Urnus arctos Athurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Actromyc jubatus (VU) Pinnipedia Zalophus californianus Phoca virulina Halichoerus grypus Proboscidea Elephas maximusi (EN) Perissodactyla Equus burchelli chapmanni Equus grevys (EN) Equus hemionus anager (EN) Equus przewalskii (EW) Rhinoceros unicornes (EN) Ceratotherium simum simum Diceros bicornes michaeli (CR) Artiodactyla Hippopotamus amphilius	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanaree Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asiatic Wild Ass Przewalski's Horse Greater One-horned Rhinoceros Black Rhinoceros Black Rhinoceros	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1	Girafia cumelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos gaurus (EN) Bos gaurus (EN) Bos gaurus (EN) Bos gaurus (EN) Hippotragus equinus Hippotragus equinus bakeri Kobus ellipsiprymnus Kobus megaceros Orya gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU) Domestic BIRDS Casuariiformes Dromaina novachollandiae Sphenisciformes Aptenochtes patagonica Eudyptes crestanus crestatus	Reticulated Giraffe Nyala Sinahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygrny Total: Mammals 2 Emu King Pengain Rockhopper Pengain	6 10 25 8 8 5 3 1 28 6 4 8 9 9 7 7 11 13 24 20 1 1 1 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4	10 2	2 7 1 1	42(2)	-217 3/3 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis potagomun Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athurus fulgens fulgens (EN) Helogale parvula Punthera tigris altaica (CR) Actronya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulina Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus barchelli chapmanni Equus grevys (EN) Equus hemionus anager (EN) Equus prevealskii (EW) Rhinocerus unicornes (EN) Ceratotherium simum simum Diceros bicornes michaeli (CR) Artiodactyla Hippopotamus amphibus Hexaprotodan liberiensis (VU)	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Grey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grey's Zebra Asiatic Wild Ass Przewalsko's Horse Greater One-horned Rhinocero Southern White Rhinoceros Black Rhinoceros Black Rhinoceros	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos grunnens Syncerus caffer nanus Boson bison bison Boson bison bison Boson bonatus (EN) Hippotragus equinus bakeri Kobus ellipsiprymnus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU) Domestic BIRDS Casuariiformes Dromatus novachollandiae Sphenisciformes Aptenodytes patagonica	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gast Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison Koan Antelope Roan Antelope Common Waterback Nile Lochwe Gernsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouffon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Emu King Penguin	6 10 25 8 8 5 3 1 28 6 4 4 8 9 - 7 11 13 24 20 1 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4	10 2	2 7 1 1	4	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/0 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pichecia pichecia Saimiri bolivienus Callishrix argentata argentata Leontopichecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludovicianus Dolichotis patagamum Muscardinus avellamarius (RT) Carnivora Canis lupus Ursus arctos Atlurus fulgens fulgens (EN) Helogale parvula Punthera tigris aliasca (CR) Acinomya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulna Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus hemionus anager (EN) Equus prevalskii (EW) Rhinoceros unicornei (EN) Ceratotherium simum simum Diceros bicornis michaeli (CR) Artiodactyla Hippopotamus amphibius Hexaprotodon liberiensis (VU) Lama glama Lama pacos	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asiatic Wild Ass Przewalski's Horse Greater One-horned Rhinoceros Black Rhinoceros Hippopotamus Pygmy Hippopotamus Llarna (domestic) Alpaca (domestic) Alpaca (domestic)	16 3 6 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 2 5 3 1 1 1 4 1 8 8 8 7 4 9 2 2 3 4 4 2 2 2	3			1	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/1 1/3 1/0 1/1 1/3 2/6 1/1 1/3 2/0 2/0	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubalus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bis	Reticulated Giraffe Nyala Sitatianga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffialo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemsbok Scimitar-horned Oryx Blackbuck Musik Ox Mouffion Horse: Shire Cream Pory Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-belled Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Emu King Penguin Rockhopper Penguin Humboldt's Penguin	6 10 25 8 5 3 1 28 6 4 4 8 9 · · 7 7 11 13 24 20 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4	10 2	2 7 1 1	42(2)	-217 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 1/1 1/6 1/1 1/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemur catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callishrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludovicianus Dolichotis patagaman Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Atlurus fulgens fulgens (EN) Helogale parvula Punthera tigris aliasca (CR) Acinonya jubatus (VU) Pinnipedia Zaloghus californianus Phoca vitulina Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus burchelli chapmanni Equus grevys (EN) Equus przewalskis (EW) Rhinoceros unicornes (EN) Ceratotherium simum simum Diceros bicornis michaeli (CR) Artiodactyla Hepopotamus amphibus Hexaprotodan liberiensis (VU) Lama glama Lama pacos Camelus bactrianus	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Black-capped Squirrel Monkey Silvery Marmonet Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Grey Wolf Brown Bear Red Panda Dwarf Mongoose Amir (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant "Chapman's Zebra Grey's Zebra Asiatic Wild Ass Przewalsko's Horse Greater One-horned Rhinocero Southern White Rhinoceros Black Rhinoceros Hippopotamus Pygny Hippopotamus Llarna (domestic) Bactrian Camel (domestic) Bactrian Camel (domestic) Bactrian Camel (domestic)	16 3 6 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 2 5 3 1 1 1 1 4 9 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3			1		-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1 1/1 1/3 2/0 2/0 4/11	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos gaurus (EN) Bos gaur	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison Koan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gernsbek Scimitar-horned Oryx Blackbuck Musk Ox Mouffon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hamphire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Emu King Penguin Rockhopper Penguin Hamboldt's Penguin White Stork	6 10 25 8 5 3 1 28 6 4 4 8 9 7 7 11 13 24 220 1 1 1 1 1 2 1 2 1 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4	10 2	2 7 1 1	42(2)	-217 3/3 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pichecia pichecia Saimiri bolivienus Callishrix argentata argentata Leontopichecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludovicianus Dolichotis patagamum Muscardinus avellamarius (RT) Carnivora Canis lupus Ursus arctos Atlurus fulgens fulgens (EN) Helogale parvula Punthera tigris aliasca (CR) Acinomya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulna Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus hemionus anager (EN) Equus prevalskii (EW) Rhinoceros unicornei (EN) Ceratotherium simum simum Diceros bicornis michaeli (CR) Artiodactyla Hippopotamus amphibius Hexaprotodon liberiensis (VU) Lama glama Lama pacos	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asiatic Wild Ass Przewalski's Horse Greater One-horned Rhinoceros Black Rhinoceros Hippopotamus Pygmy Hippopotamus Llarna (domestic) Alpaca (domestic) Alpaca (domestic)	16 3 6 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 2 5 3 1 1 1 4 1 8 8 8 7 4 9 2 2 3 4 4 2 2 2	3			1	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/1 1/3 1/0 1/1 1/3 2/6 1/1 1/3 2/0 2/0	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus Bubalus depressicornis (EN) Bos gaurus (VU) Bos grunniens Syncerus caffer nanus Bison bis	Reticulated Giraffe Nyala Sitatianga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffialo American Prairie Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lechwe Gemsbok Scimitar-horned Oryx Blackbuck Musik Ox Mouffion Horse: Shire Cream Pory Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-belled Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Emu King Penguin Rockhopper Penguin Humboldt's Penguin	6 10 25 8 5 3 1 28 6 4 4 8 9 · · 7 7 11 13 24 20 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4	10 2	2 7 1 1	4	-217 3/3 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis potagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athurus fulgens fulgens (EN) Helogale parvula Punthera tigris altaica (CR) Actnonya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulina Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus barchelli chapmanni Equus grevys (EN) Equus hemionus anager (EN) Equus previolskii (EW) Rhinoceras unicornas (EN) Ceratotherium simum simum Diceros bicornas michaeli (CR) Artiodactyla Hippopotamus amphibus Hexaprotodan liberiensis (VU) Lama glama Lama pacos Camelus bactrianus Muntiacus reevesi Dama dama Dama dama	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Maemoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gety Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asiatic Wild Ass Przewalski's Horse Greater One-horned Rhinocero Southern White Rhinoceros Black Rhinoceros Black Rhinoceros Hippopotamus Pygmy Hippopotamus Liama (domestic) Apacia (domestic) Bactrian Cameric Bactrian Cameric Fallow Deer (black form)**	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1 4 1 8 8 8 7 7 8 8 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	25	The state of the s	1	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1 1/1 1/3 2/0 4/11 -2/5 -50	Girafia camelopardatas reticulatas Tragelophus angasi Tragelophus spekei Tragelophus strepsiceros Boselophus tragocamelus Bubolus depressicornis (EN) Bos gaurus (VU) Bos gaurus (VU) Bos gaurus (EN) Boson bison Boson bison Boson bison	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison Roan Antelope Roan Antelope Common Waterbuck Nile Lochwe Gernsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windox White Pygmy Total: Mammals 2 Emu King Penguin Rockhopper Penguin Humboldi's Penguin White Stork Scarlet Ibis	6 10 25 8 8 5 3 1 28 6 4 4 8 9 9 7 7 11 13 24 220 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4 4 2	10 2	2 7 1 1	42(2)	-217 3/3 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 1/6 1/6 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	Mammals Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegota variegota variegota variegota (EN) Pibhecia pibhecia Samiri bolivienus Callishrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis patagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Adurna fulgens fulgens (EN) Helogale parvula Punthera tigris aliasca (CR) Actnonya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulma Halvchoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus barchelli chapmanni Equus greys (EN) Equus previolikii (EW) Rhinocros unicornes (EN) Ceratotherium simum simum Diceros bicornis michaeli (CR) Artiodactyla Happopotamus amphihus Hexaprotodon liberiensis (VU) Lama glama Lama pacos Camelus bactriomus Munteas reevesi Duma dama Axis axis	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmoset Golden-headed Lion Tamarin Chimpanaree Black-tailed Prairie Dog** Mara** Common Dormouse Gery Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asian's Wild Ass Przewalsio's Horse Greater One-horned Rhinocero Southern White Rhinoceros Black Rhinoceros Hippopotamus Pygmy Hippopotamus Llarna (domestic) Alpaca (domestic) Bactrian Camel (domestic) Reeves's Muntjac** Fallow Deer Fallow Deer Fallow Deer Fallow Deer Fallow Deer Fallow Deer	16 3 6 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1 8 8 7 4 9 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	25 3 8 		3 . 1 1 2	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1 1/1 1/3 2/0 2/0 4/11 -2/5 12/17/6 -50 18/32/5	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos garus (VU) Bos garusiero Symcerus caffer nanus Bison biso	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison European Bison Roan Antelope Common Waterbuck Nile Lochwe Gemsbok Scimitar-horned Oryx Blackbuck Musik Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Emu King Pengain Rockhopper Pengain Humbold's Pengain White Stork Soarlet Ibis Rosy Flamingo	6 10 25 8 8 5 3 1 28 6 4 4 8 9 9 7 7 11 13 24 220 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4 4 2	10 2	2 7 1 1	42(2)	-217 3/3 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/1
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callithrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hudovicianus Dolichotis potagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Ursus arctos Athurus fulgens fulgens (EN) Helogale parvula Punthera tigris altaica (CR) Actnonya jubatus (VU) Pinnipedia Zalophus californianus Phoca virulina Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus barchelli chapmanni Equus grevys (EN) Equus hemionus anager (EN) Equus previolskii (EW) Rhinoceras unicornas (EN) Ceratotherium simum simum Diceros bicornas michaeli (CR) Artiodactyla Hippopotamus amphibus Hexaprotodan liberiensis (VU) Lama glama Lama pacos Camelus bactrianus Muntiacus reevesi Dama dama Dama dama	Red-necked (Bennett's) Wallaby** White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Maemoset Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Gety Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grevy's Zebra Asiatic Wild Ass Przewalski's Horse Greater One-horned Rhinocero Southern White Rhinoceros Black Rhinoceros Black Rhinoceros Hippopotamus Pygmy Hippopotamus Liama (domestic) Apacia (domestic) Bactrian Cameric Bactrian Cameric Fallow Deer (black form)**	16 3 6 2 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1 4 1 8 8 8 7 7 8 8 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	25	The state of the s	1	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1 1/1 1/3 2/0 4/11 -2/5 -50	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos garansens Syncerus cafer nanus Boson bison bison Boson bison bison Boson bosonsus (EN) Hippotragus equinus bakeri Kobus ellipsiprymmus Kobus megaceros Orya gazella gazella Orya dammah (CR) Antilope cervicapra (VU) Ovibas moschatus Ovis orientalis musimon (VU) Domestic BIRDS Casuariiformes Aptenodytes patagonica Eudyptes crestonus crestonus Sphenisciformes Aptenodytes patagonica Eudyptes crestonus crestonus Sphenisciformes Ciconia focusa ciconia Eudocimus nuter Phoenicopterus ruber ruber Phoenicopterus ruber roseus Anseriformes Cygnus atratus Anseriformes Cygnus atratus	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison European Bison Roan Antelope Roan Antelope Common Waterback Nile Lechwe Gernsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouffon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Emu King Penguin Rockhopper Penguin Humboldi's Penguin White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo Greater Flamingo Black Swan	6 10 25 8 8 5 3 1 28 6 4 4 8 9 9 7 7 11 13 24 220 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4 4 2		2 7 1 1	42(2)	-217 3/3 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 1/1 1/6 1/1 1/6 1/1 1/0/3
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Calliahrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludoviciamus Dolichotis potagomun Muscardinus arvellanarius (RT) Carnivora Canis lupus Urnus arctos Ailurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Acinonya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulina Halichoerus grypus Proboscidea Elephas maximusi (EN) Perissodactyla Equus burchelli chapmanni Equus greys (EN) Equus hemionus anager (EN) Equus przewalskii (EW) Rhinocerus unicornes (EN) Ceratotherium simum simum Diceros bicornis michaeli (CR) Artiodactyla Hippopotamus amphibius Hexaprotodon liberiensis (VU) Lana glama Lama pacos Camelus buctrianus Muntiacus reevesi Duma dama Axis axus Axis porcinus Cerrus durauceli (VU) Cerrus nippon	Red-necked (Bennett's) Wallaby** White Wallaby White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmonet Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Grey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant "Chapman's Zebra Grey's Zebra Asiatic Wild Ass Przewalsko's Horse Greater One-horned Rhinocero Southern White Rhinoceros Black Rhinoceros Hippopotamus Llarna (domestic) Bactrian Cameli (domestic) Reeves's Muntjac** Fallow Deer Fallow Deer Fallow Deer Barasingha/Swamp Deer Sika Deer	16 3 6 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1 8 8 7 9 2 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18	3	25 3 8		3. 1 1	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1 1/3 2/6 1/1 1/3 2/0 2/0 4/11 -25 12/17/6 -50 18/32/5 12/16/6 18/22 10/15/8	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos garus (VU) Bos garusiero Symcerus caffer nanus Bison Bis	Reticulated Giraffe Nyala Sinahanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison Roan Antelope Common Waterbuck Nile Lechwe Gernsbek Scimitar-horned Oryx Blackbuck Musk Ox Mouflon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygrny Total: Mammals 2 Emu King Penguin Rockhopper Penguin Humboldr's Penguin White Stork Soarlet Ibis Rosy Flamingo Greater Flamingo Greater Flamingo Black Swan Whooper Swan	6 10 25 8 8 5 3 1 28 6 4 4 8 9 9 7 7 11 13 24 220 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1		17 10 1 18 2 4 4 2	10 2	2 7 1 1	42(2)	-217 3/3 3/3 4/7 4/19 2/6 1/13 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 4/4 3/8 1/17 4/14 0/1 0/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0/3 1/1 1/0/3 1/1
	Mammals Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus frutica Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Callishrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomys hukovicianus Dolichotis potagomum Muscardinus avellanarius (RT) Carnivora Canis lupus Urnus arctos Athurus fulgens fulgens (EN) Helogale parvula Punthera tigris altaica (CR) Actromyz jubatus (VU) Pinnipedia Zaloghus californianus Phoca virulina Halichoerus grypus Proboscidea Elephas maximus (EN) Perissodactyla Equus burchelli chapmanni Equus grevys (EN) Equus hemionus anager (EN) Equus przewalskii (EW) Rhinoceros unicornes (EN) Ceratotherium simum simum Diceros bicornes michaeli (CR) Artiodactyla Hippopotamus amphibius Hexaprotodon liberiensis (VU) Lana glama Lana pacos Camelus bactriamus Aduntacus reevesi Duma dama Duma dama Asis aus Asis porcinus Cerrus duvauceli (VU) Cervus ruppon Elaphurus davidiamus (CR)	Red-necked (Bennett's) Wallaby** White Wallaby White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Black-capped Squirrel Monkey Silvery Marmonet Golden-beaded Lion Tamarin Chimpanaree Black-tailed Prairie Dog** Mara** Common Dormouse Geey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant Chapman's Zebra Grey's Zebra Aniatic Wild Ass Przewalski's Horse Greater One-horned Rhinoceros Black Rhinoceros Hippopotamus Pygmy Hippopotamus Llara (domestic) Alpaca (domestic) Alpaca (domestic) Reeves's Muntjac** Fallow Deer Fallow Deer Fallow Deer Fallow Deer Barasingha/Swamp Deer Sika Deer Père David's Deer	16 3 6 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 2 5 3 1 1 1 8 8 7 7 9 2 1 1 1 1 1 1 1 1 1 1 1 1 1	3	25 3 8 - 1 - 5 - 1 - - - 3 1 6 - - - - - - - - - - - - - - - - - -		3. 1 1	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1 1/1 1/3 2/6 1/1 1/3 2/6 1/1 1/3 2/6 1/1 1/3 2/6 1/1 1/3 2/6 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus strepsiceros Boselaphus strepsiceros Bubolus depressicornis (EN) Bos garuniero Symcerus caffer nanus Bison b	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaar Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison European Bison European Bison European Bison European Bison European Bison Roan Antelope Roan Antelope Common Waterback Nile Lechwe Gernsbok Scimitar-horned Oryx Blackbuck Musk Ox Mouffon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Emu King Penguin Rockhopper Penguin Humboldi's Penguin White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo Greater Flamingo Black Swan	6 10 25 8 8 5 3 1 28 6 4 4 8 9 9 7 7 11 13 24 220 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1		17710 1 18 2 4 4		2 7 1 1	42(2)	-217 3/3 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 1/1 1/6 1/1 1/6 1/1 1/0/3
	MAMMALS Diprotodontia Macropus rufogriseus frutica Macropus rufogriseus Macropus parma Primates Lemar catta (VU) Varecia variegata variegata (EN) Pithecia pithecia Saimiri bolivienus Calliahrix argentata argentata Leontopithecus chrysomelas (EN) Pan troglodytes (EN) Rodentia Cynomya ludoviciamus Dolichotis potagomun Muscardinus arvellanarius (RT) Carnivora Canis lupus Urnus arctos Ailurus fulgens fulgens (EN) Helogale parvula Panthera tigris altaica (CR) Acinonya jubatus (VU) Pinnipedia Zalophus californianus Phoca vitulina Halichoerus grypus Proboscidea Elephas maximusi (EN) Perissodactyla Equus burchelli chapmanni Equus greys (EN) Equus hemionus anager (EN) Equus przewalskii (EW) Rhinocerus unicornes (EN) Ceratotherium simum simum Diceros bicornis michaeli (CR) Artiodactyla Hippopotamus amphibius Hexaprotodon liberiensis (VU) Lana glama Lama pacos Camelus buctrianus Muntiacus reevesi Duma dama Axis axus Axis porcinus Cerrus durauceli (VU) Cerrus nippon	Red-necked (Bennett's) Wallaby** White Wallaby White Wallaby White-fronted Wallaby Ring-tailed Lemar Black-&-white Ruffed Lemar White-faced Saki Monkey Black-capped Squirrel Monkey Silvery Marmonet Golden-beaded Lion Tamarin Chimpanzee Black-tailed Prairie Dog** Mara** Common Dormouse Grey Wolf Brown Bear Red Panda Dwarf Mongoose Amar (Siberian) Tiger Cheetah Californian Sealion Common Seal Grey Seal Asian Elephant "Chapman's Zebra Grey's Zebra Asiatic Wild Ass Przewalsko's Horse Greater One-horned Rhinocero Southern White Rhinoceros Black Rhinoceros Hippopotamus Llarna (domestic) Bactrian Cameli (domestic) Reeves's Muntjac** Fallow Deer Fallow Deer Fallow Deer Barasingha/Swamp Deer Sika Deer	16 3 6 2 2 11 3 4 9 -100 -210 10 14 5 8 5 2 5 3 1 1 1 8 8 7 9 2 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18	3	25 3 8		3. 1 1	1	-600 7/8 2/2 8/0 1/1 2/1 6/6 2/2/1 2/1 5/3 -100 -155 16/10/4 7/7 1/4 3/5/1 2/3 2/2 1/4 1/2 1/0 0/1 1/3 1/0 0/5 1/6 2/8/1 1/3 2/6 1/1 1/3 2/6 1/1 1/3 2/0 2/0 4/11 -25 12/17/6 -50 18/32/5 12/16/6 18/22 10/15/8	Girafia camelopardatas reticulatas Tragelaphus angasi Tragelaphus spekei Tragelaphus strepsiceros Boselaphus tragocamelus Bubolus depressicornis (EN) Bos garus (VU) Bos garusiero Symcerus caffer nanus Bison Bis	Reticulated Giraffe Nyala Sitatanga Greater Kudu Nilgai 1 Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Waterbuck Nile Lochwe Gernsbok Scimitar-horned Oryx Blackbuck Musik Ox Mouffon Horse: Shire Cream Pony Welsh Pony (Cream form) Donkey: Pig Oxford Sandy x Black Pig Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Goat: Windsor White Pygmy Total: Mammals 2 Eimu King Pengain Rockhopper Pengain Humbold's Pengain White Stork Soarlet Ibis Rosy Flamingo Greater Flamingo Greater Flamingo Greater Flamingo Greater Flamingo Greater Swan Coscoroba Swan Coscoroba Swan	6 10 25 8 8 5 3 1 28 6 4 4 8 9 9 7 7 11 13 24 220 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1		17710 1 18 2 4 4		2 7 1 1	42(2)	-217 3/3 3/3 4/7 4/19 2/6 1/13 2/1 1/1 6/22/1 1/3 1/2 1/7 2/4 1/0 1/6 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/0 1/1 1/1

Anser canagicus Anser rossi	Emperor Goose Ross' Goose	4					1	2/1 2/2	Agapornis personata Ara ararauna	Grey Parrot Masked Lovebird Blue-&-yellow Macaw
Branta leucopsis	Barnacle Goose	1						0/0/1	Ara macao	Scarlet Macaw
Branta ruficollis (VU) Branta sandvicensis (VU)	Red-breasted Goose Nene (Hawaiian Goose)	4				*	1	1/2	Ara militaris (VU)	Military Macaw
Alopochen aegyptiacus	Egyptian Goose	- 1						0/0/1	Mytopsitta monachus	Monk Parakeet
Dendrocygna viduata	White-faced Whistling Duck	i						0/1	Strigiformes	
Tadoma tadoma	Common Shelduck	6				2	1	1/2	Tyro alba	Barn Owl
Aix galericulata	Mandarin Duck	28		11	1	2	5(3)	13/10/8	Otus leucotis	White-faced Scops Owl
Aix sponsa	North American Wood Duck	15		-	-	2	1	6/6	Bubo bubo bengalensis	Bengal Eagle Owl
Chenonetta jubata	Australian Wood Duck	3						2/1	Nyctea scandiaca	Snowy Owl
Callonetta leucophrys	Ringed Teal	13	4	-	+	+		6/9/2	Strix aluco sylvatica	Tawny Owl
Anas americana Anas bahamensis	American Wigeon Bahama Pintail	4		-			2	2/0	Strix uralensis	Ural Owl
Anas falcata	Falcated Duck						-	2/2 0/1	Spectyto cunicularia	Burrowing Owl
Netta peposoca	Rosybill	4			- 5	1		0/2	Coraciiformes	
Netta rufina	Red-crested Pochard	8			- 0	30	i	3/4	Dacelo novaeguineae	Kookaburra
Aythya ferina	European Pochard	4		1				1/3/1	Coracias caudata	Lilac-breasted Roller
Oxyura jamaicensis jamaicensis	North American Ruddy Duck	2		4	1			2/2/1	Tockus erythrorhynchus	Red-billed Hombill
Somateria mollissima mollissima	European Eider	11		4	2	3		6/3/1		
Bucephala islandica Barrow's	Goldeneye	2			-			1/1	Piciformes	
Mergellus albellus	Smew	3	1		-	2		1/1	Ramphastos vitellimas citreolaemus	Citron-throated Toucan
Lophodytes cucullatus	Hooded Merganser	2	4 2			- 1	-	2/3	Passeriformes	
Bucephala albeola	Bufflehead	3.0	2			*		1/1	Spreo superhus	Superb Starling
Falconiformes									100000000000000000000000000000000000000	
Conapps atrana	American Black Vulture	- 1				-	1.	1/0		
Cathartes aura	Turkey Vulture		1(1)		4			1/0		
Aquila chrysaetos	Golden Eagle	- 1					1			Total: Birds
Melierax gabar	Gabar Goshawk	- 1		-	+			0/1		
Haliastur inches	Brahminy Kite	1						0/0/1	REPTILES	
Haliaeetus leucocephalus	Bald Eagle							0/1		
Gyps africanus Gyps rueppelli	African White-backed Vulture Ruppell's Griffon Vulture					-		2/3	Testudines Testudo hermanni	Garage Testing
Accipiter ninus	Eurasian Sparrowhawk	1	10					0/1	Testudo kleinmanni (EN)	Hermann's Tortoise Egyptian Tortoise
Parabuteo unicinctus	Harris's Hawk	2			- 5			1/1	Testudo horsfieldi (VU)	Central Asian Tortoise
Falco biarmicus	Lanner Falcon	3						3/0	Chelus fimbriatus	Matamata
Falco cherrug	Saker Falcon	1		-				0/1		CONTRACTOR OF THE PARTY OF THE
Falco peregrinus minor	South African Peregrine Falco	n 1		-				1./0	Crocodylia	
Falco peregrinus peregrinus	Eurasian Peregrine Falcon		- 1	-		1			Osteolaemus tetraspis (VU)	West African Dwarf Croco
Falco columbarius	Merlin	1		-	-			0/1	Sauria	
Galliformes									Phelmma standingi (VU)	Standing's Day Gecko
Tragopan temminekii	Terminck's Tragopan	4		-	200		2	1/0	Eublepharis macularius	Leopard Ground Gecko
Gallus gallus	Red Jungle Fowl**	-50				1		-40	Gecko gecko	Tokay Gecko
Pavo cristatus	Common Peafowt**	-150						-109	Basiliscus phonifrons	Plumed Basilisk
Lophura edwardsi (CR)	Edward's Pheasant	1						1/0	Iguana iguana	Common Iguana
Crossoptilon mantchuricum (VU)	Brown Eared Pheasant	2		-	-	1	+	1/0	Mahiya perrotetti	Red-sided Skink
C-16									Uromastyx hardwicks	Indian Spiny-tailed Lizard
Gruiformes							122	122	Chamaeleo calyptratus	Yemen Chameleon
Grus japonensis (VU)	Red-crowned Crane	- 1		- 0	-		1	1/2	Varanus albigularis	Bose's Monitor
Grus vipio (VU) Grus rubicundo	White-naped Crane Brolga			3	3			2/2	Serpentes	
Grus paradisea (VU)	Stanley Crane	7		5	2	1	6	1/2	Python molurus bivittatus	Burnese Python
Grus caranculatus (VU)	Wartled Crane	3	1		- 1	-		2/2	Corallus enydris cooks	Cook's Tree Boa
Cariama cristata	Red-legged Seriema	- 1			- 33			1/0	Eryx johnii	Smooth Sand Boa
Otis torsks tarsks (VU)	Great Bustard	- 1			-	1		-	Echis carinatus	Saw-scaled Viper
Chamatelle									Crotalus unicolor (CR)	Aruba Island Rattlesnake
Charadriiformes	Complex Chartestander	-				1		0.00		
Haematopus ostralegus Burhinus histriatus	Eurasian Oystercatcher Double-striped Thick-knee	3		*	78	1	-	0/0/3		Total: Reptiles
Himantopus himantopus mexicanus	Black-necked Stilt	2	the state of		- 33			1/0/1		Total reports
Recurrentes avosetts	Pied Avoces	-	3(3)	-	-	-		3/1		The state of the state of
							1000	*		
AMPHIBIANS		1	2	3	4	5	6	7		
Anura Dendrobates auratus	Green-&-black Poison Frog	37		44			42	0/0/34		Total Fishes: approx. 259
Dendrobates pumilio	Strawberry Poison Frog	8	1	1	4		4	0.034		
Dendrobates azureus	Blue Poison Frog	4	3	-	1	-	1	1/0/4		
Dendrobates leucomelas	Yellow-banded Poison Frog	2					*	0/0/2	INVERTEBRATES	
Dendrobates truncatus	Yellow-&-black Poison Frog	31	-	3	8		5	2/19	The second secon	
Ceratophrys cranwelli	Chacoan Horned Frog	1			*		-	1/0	ARACHNIDA	
									Aranese	n
	Total: Amphibians	83	3	47	18		52	63	Brachypelma smithi	Red-kneed Bird-eating Spi
	rean Ampinosin	40	-	100	1		-	77	Grammostola cala Chile Lasiodora parahybana	Rose Bird-eating Spider Branitan Bird-eating Spide
									Steatoda albomaculata	Gambian False Widow Spi
									CHARLES OF CHARLES AND THE PARTY OF THE PART	THE REAL PROPERTY AND PERSONS ASSESSMENT OF PERSONS ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASS

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FE	SH	ES	
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The numbers given for fishes	and invertebrates at Whipsnac	de represent the numbers held at the er
FISHES		
Characiformes		
Serranalmus nattereri	Red-bellied Piranha	15
Chetrodon axelrodi	Cardinal Tetra	30
Commission and Commission	Cadalla Itali	
Cypriniformes		
Barbodes schwanenfeldi	Tinsel Barb	5
Puntius sachsi	Golden Barb	2
Labeo chrysophekadion	Black Shark	1
Gyrinochesha aymonieri	Sucking Loach	2
Cyprinodontiformes	111111111111111111111111111111111111111	
	Molly	Colony
Poecilia sp.	Platy	Colony
Xiphophorus variatus variatus Xiphophorus hellerii	Red Swordtail	Colony
	Butterfly Goodeid	>35
Ameca splendens (EW)	Madagascan Killifish	20
Pachypanchax omalonotus	reacagocan rounnin	***
Gasterosteiformes		
Hippocampus kuda (VU)	Seahorse	11
Tetradoutiformes		
Conthiguster margaritatus	Sharp-nosed Puffer	1
Gymnotiformes		
Electrophorus electricus	Electric Eel	1
Electrophoras electricas	Election Con	
Perciformes		
Stomatepia sp. (CR)	Barombi Mbo Cichlid	20
Tilapia sp.	Tilapia	Colony
Astronotus ocellatus	Oscar	3
Zebrasoma flavescens	Yellow Sailfin Tang	8
Paracanthurus hepatus	Regal Tang	10
Monodactylus argenteus	Malayan Angel	25
Chrysiptera parasema	Yellow-tailed Blue Damsel	4
Pteronynchiropus splendidus	Mandarin Fish	2
Amphiprion percula	Percula Clownfish	13
Amphiprion clarks	Clark's Clownfish	2
Amphiprion melanopus	Pacific Fire Clownfish	1
Premnas biaculeatus	Maroon Clownfish	2
Chromis viridis	Blue-green Chromis	23
Valenciennea strigata	Blue-cheeked Goby	4
Ptereleotris zebra	Shotsilk Goby	1
Ptereleotris evides	Torpedo Goby	3
Siluriformes		
Otocinclus affinis	Dwarf Sucker Catfish	3
Plecostomus sp.	Plecostomus Catfish	4
Corydoras aeneus	Bronze Catfish	4
The second secon	The state of the s	11.000

Total Fishes: approx. 259 specimens; 4 colonies; approx. 34 species

17

1(1)

2(2)

98 10(3) 21

2 3

2

27

West African Dwarf Crocodile 6

4 5

1

18

621 32(4) 64 17 42 39(3) 568

12

4

0/0/4 2/0/1 2/0 0/0/5 1/1

1/1

0/1 1/0 1/1/3 1/0

0/0/1

0/0/1 1/1

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1/1

3/11/7 7/2/1 3/3/2

0/0/2

2/2/5

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TATES

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Sabella pavona

ETT EITH EIDIGE EID		
ARACHNIDA		
Aranese		
Brachypelma smithi	Red-kneed Bird-eating Spider	0/1
Grammostola cala Chile	Rose Bird-eating Spider	0/1
Lassodora parahybana	Brazilian Bird-eating Spider	0/1
Steatoda albomaculata	Gambian False Widow Spider	Colony
Poecilotheria regalis	Indian Ornamental Spider	0/0/14
Pterinochilus sp.	Usumburg Orange Baboon Spid	ler 0/1/12
Scorpiones		
Pandinus imperator	Imperial Scorpion	0/0/5
Unidentified buthid	Desert Scorpion	0/0/1
MYRIAPODA		
Chilopoda		
Scolopendra sp.	Giant Centipode	0/0/1
Diplopoda		
Cambula annulata	Giant Millipede	Colony
INSECTA		
Orthoptera		
Schistocerca gregaria	Desert Locust	Colony
Gryllus bimaculatus	African Field Cricket	Colony
Pholeogryllus geertsi	Cave Cricket	Colony
Blattodea		
Gromphadorhina portentosa	Malagasy Hissing Cockroach	Colony
Mantodae		
Mantis religiona	European Mantis	Colony
Coleoptera		
Eudicella woermanni	Fruit Chafer Beetle	Colony
Pachnoda nactigali	African Sun Beetle	Colony
Blaps sp.	Desert Beetle	0/0/14
Lepidoptera	Laboration and the second	
Heliconius melpomena	Postman Butterfly	Colony
Pareulype berberata	Barberry Carpet Moth	Colony
Hymenoptera	2012/10/10/00	777 <u>8676</u> 777
Acromyrmex octospinosus	Leaf-cutter Ants	Colony
Atta cephalotes	Leaf-cutter Ants	Colony
MARINE INVERTEBRAT		-174.01
Ophiocomina sp.	Brittle Starfish	1
Clibinarius vittatus	Hermit Crab	8
Lysmata debelius	Blood Shrimp	2 4
Lysmata amboinensis	Cleaner Shrimp	4
Cakella nausus	Leather Duster	

Feather Duster

Total Invertebrates: approx. 70 specimens; 13 colonies; + larvae; approx. 27 species

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	1110				•
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London Zoo	1	2	3	4	5	6	7	Number of species (excluding domestic) at 31.12.99
Mammals	690	113 (2)	672	82	457	155 (2)	781	89
Birds	698	62 (3)	162	43	135	54 (4)	690	138
Reptiles	463	19	181	7	121	49 (3)	486	101
Amphibians	145	67		-	83	5	124	21
Fishes	2909	871 (10)	1055	101	1117	233 (63)	3312	177
Total	4905	1132(15)	2070	233	1913	496 (72)	5393	526

Domestics: mammals - 15 species; birds - 3 species

Estimated number of invertebrates in the Collection at 31 December 1999: Invertebrates: approx. 6238 specimens (+ 46 colonies) approx. 164 species

Whipsnade Wild Animal Park

Total	2902	64 (9)	341	104	136	166 (5)	2513	158	
Amphibians	83	3	47	18	-	52	63	5	
Reptiles	98	10(3)	21	1	15	33	80	15	
Birds	621	32 (4)	64	17	42	39 (3)	568	81	
Mammals	2100	19 (2)	209	68	79	42 (2)	1802	57	

Note: Births, deaths, arrivals and departures of free-ranging animals at Whipsnade are not recorded.

Domestics: mammals - 11 species

Estimated number of fishes and invertebrates in the Collection at 31 December 1999:

Fishes: approx. 259 specimens (+ 4 colonies) 34 species
Invertebrates: approx. 70 specimens (+ 13 colonies; + larvae) 27 species

Grand Total

Zoological Society

of London 7807 1196 2411 337 2049 662 7906 634*
excl. fishes
at Whipsnade

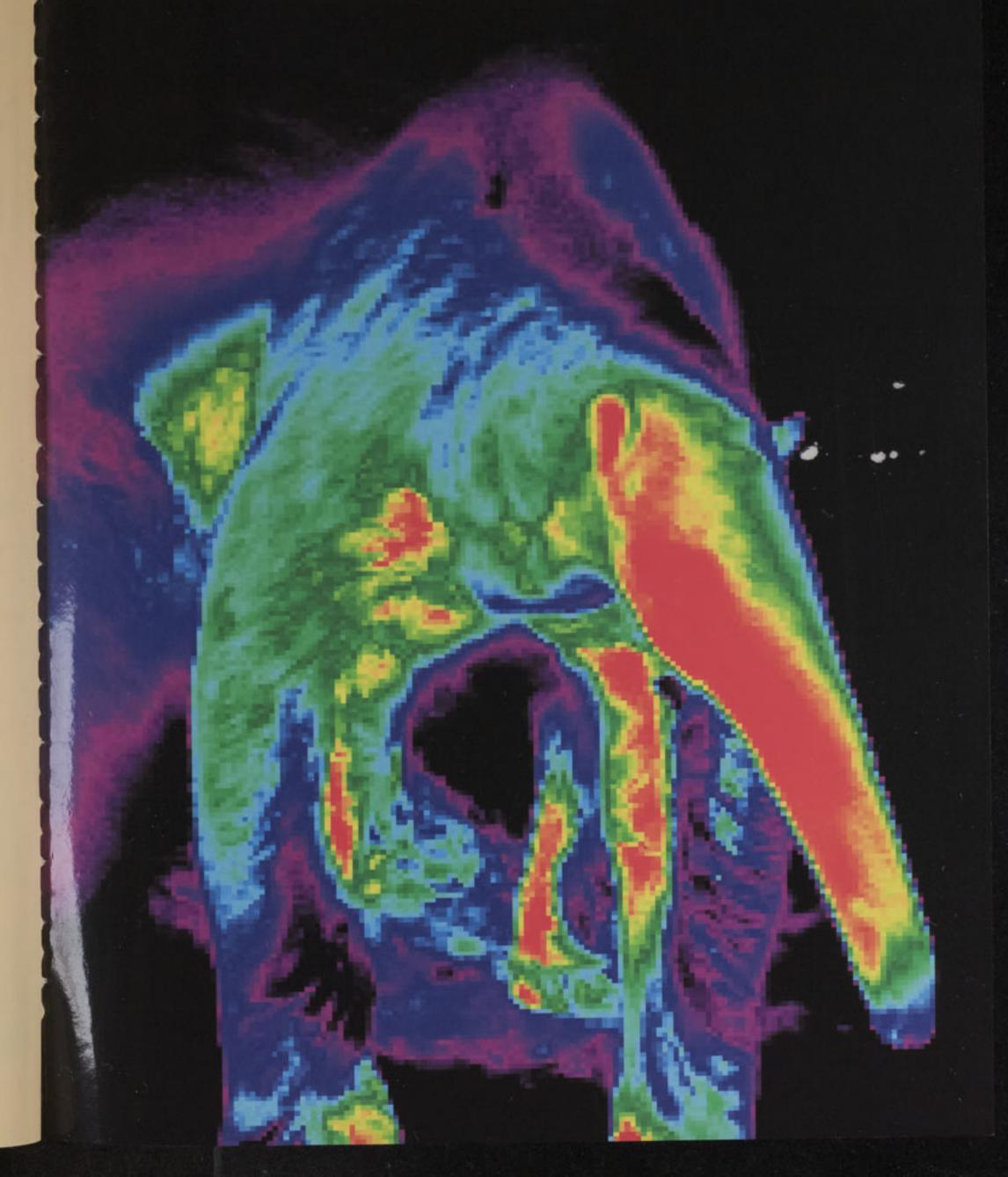
Grand Total of fishes: approx. 3567 specimens (+ 4 colonies) of 196 species*

Grand Total of invertebrates: approx. 6308 specimens (+ 59 colonies) of 177 species*

^{*} The species common to London Zoo and Whipsnade Wild Animal Park are counted as one

ZSL2000

The Zoological Society of London Annual Report



CONTENTS



- 1 ZSL Mission
- 2 President's Introduction
- 4 Review of the Year
- 7 Awards & Honours
- 8 Conservation & Science
- 16 Education & Information
- 22 The Zoos at Work
- 28 Fundraising & Grants
- 30 ZSL in the News
- 33 Library
- 34 Financial Information

Treasurer's Statement Summarised Accounts Front cover: Giant anteaters at London Zoo. Thermal Imaging was used to assist in pregnancy diagnosis. Comparison was made between the male (front cover) and female in order to try and identify a hot-spot in her abdomen which might indicate a pregnancy.

Images: Arthur T. Tucker, 2000 ©

Above: ZSL staff worked on a large number of conservation and research projects throughout the world in 2000. Many other collaborations are in development. To achieve and promote the worldwide conservation of animals and their habitats.

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ZSL pursues this mission by:

- 1 keeping and presenting animals at London Zoo and Whipsnade Wild Animal Park in accordance with best practice;
- 2 giving priority to species that are threatened in the wild;
- 3 increasing public understanding of animals and their welfare and of the issues involved in their conservation;
- 4 maintaining an outstanding education and information programme, particularly for schoolchildren and families;
- 5 undertaking field conservation programmes, both in Britain and abroad;
- 6 developing its role as a leading centre for research and conservation biology and animal welfare;
- 7 fulfilling its role as a learned society and force for zoology and animal conservation through publications, scientific meetings, lectures, the award of prizes for outstanding achievement and the promotion of conservation policy.

PRESIDENT'S INTRODUCTION

Had I written this Introduction three months ago, and confined it to the year 2000, I would once again have been positive about the achievements and prospects of the Zoological Society of London. We had secured a new 60-year lease for our Regent's Park site. We had a new partnership with the University of Cambridge. Our new Director General, working with our new Secretary and all our Directors, had completed a review of organisation and management and prepared constructive proposals for the future. We had a new Director of Science with a worldwide reputation in animal conservation. We had recorded some notable breeding successes, including the birth of giant anteater twins – the subject of this year's cover pictures. Despite the worry over increasing competition between visitor attractions in London, we ended the year 2000 with a reasonable financial surplus.

Then, in February 2001, foot and mouth disease arrived in the United Kingdom and spread rapidly. People think of it as a disease of domestic livestock but it affects a very wide range of animals including deer, antelopes, bison, warthogs, elephants, giraffes, okapi, hedgehogs and rodents. The Society's collections include a number of susceptible species, among them some that are globally threatened. We regard their care and captive breeding as an important contribution to conservation. Quite clearly, we need to ensure that they are not put at risk by an epidemic like the present one. The Council of the Society believes that there are issues of policy here that must be addressed at international and national level. Meanwhile, we have had to take difficult decisions.

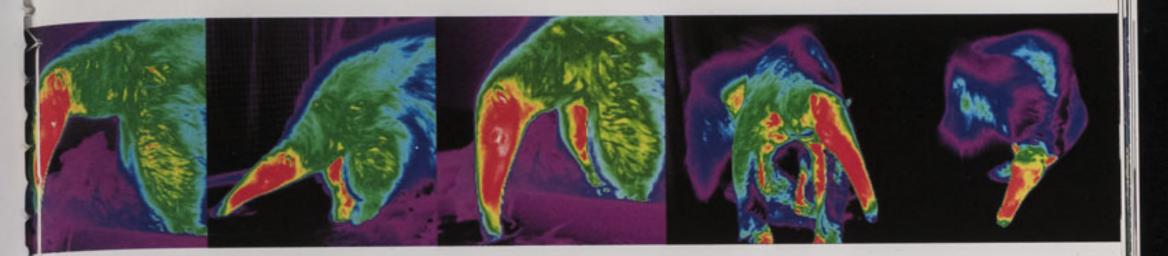
One such decision was to close Whipsnade in February, when there were suspected outbreaks not far away. At Regent's Park we took stringent precautions to protect susceptible species. These decisions, and the dramatic slump in tourism in the spring, have squeezed our finances. Many people and businesses are, of course, in just as much difficulty. The zoo community as a whole is suffering badly. We have watched the changing pattern of the disease anxiously and as I write have decided to re-open Whipsnade in late April. Let us hope that things get better from now on. But the epidemic has once again reminded us of our vulnerability. We have to plan carefully for the future.

As I close this Introduction, after seven years as your President, I would like to express my thanks to all those who have given so much in time and effort to restore and strengthen the Society – Officers, Council and Committee members, Directors, staff, volunteers and all our Fellows, members and supporters. The Society and the cause of animal conservation owes much to them all.

Sir Martin Holdgate

President

The Annual Report was approved by Council on 3 April 2001



Members of Council

President Sir Martin Holdgate, CB, MA, PhD, DSc (h.c.), CBiol, FIBiol

Secretary Professor Paul H. Harvey, BA, MA, DPhil, DSc, FRS

Treasurer Harry Wilkinson, OBE, MA, FCA

Sheila Anderson, BSc (co-opted 12 December 2000) John Barrington-Johnson Brian Bertram, MA, PhD, CBiol, FIBiol Jonathan Boyce, DM, MA, MSc, MRCP, FFPHM David Case Stephen Cobb, BA, DPhil John Edwards, MA, FLS Roger Ewbank, OBE, MVSc, MRCVS, FIBiol[†] Tony Fincham, BSc, PhD Professor Mike Hassell, DSc, FRS Martin Jiggens, FRICS, FSVA, FRSA[†] Nancy Lane, OBE, DPhil, ScD, CBiol, FIBiol, Vice President Ken Livingstone MP (resigned 15 June 2000) Sophie McCormick, MA, PhD, CBiol, FIBiol Professor Paul Racey, MA, PhD, DSc, FRSE, CBiol, FIBiol Professor Jeremy Rayner, BA, MA, PhD Neville Reyner, BSc, MBA, CEng FIEE, FIMgt1 Martin Rowson, MAt Philip Sapsford, QC Ken Sims, Vice President Ted Smith, BSc, CBiol, FIBiol[†] Peter Stevens, BSc, MIBiol Jane Thornback, BSc, MSc1 Professor Roger Wheater, OBE, CBiol, FIBiol, FRSA, FRSGS, FRZSS, FRSE Robert Wingate

[†] To 13 June 2000

Above: Thermal images of London Zoo's giant anteaters: three images of the female are on the left, two of the male on the right.

Images: Arthur T. Tucker, 2000 ©

^{*} From 13 June 2000

The year 2000 saw continued development of our scientific and conservation work, 1.4 million visitors to the zoos and considerable progress with the strategic planning and organisation of ZSL. This Annual Report outlines the main features of a busy and challenging year.



As reported in our previous Annual Report, I took up the office of Secretary on 1st January 2000, followed shortly by our new Director General, Dr Michael Dixon, Several immediate issues required resolution but underlying objectives for the year were to establish the basis for long-range strategic plans for each of ZSL's activities and to reflect the actions required to deliver these plans in the governance and management processes. A result has been the fine-tuning of the way in which ZSL Council operates and changes to the committee structure to reflect the importance of longer-term strategic thinking.

A significant immediate need was to establish a new partnership with a Higher Education Institution through which the Institute of Zoology receives its core grant from the Higher Education Funding Council for England (HEFCE). We wanted the new arrangement to reflect a strategic partnership and involve active collaboration. A number of potential partners were considered and from 1st January 2001 the Institute has been working in partnership with the Department of Zoology of the University of Cambridge.

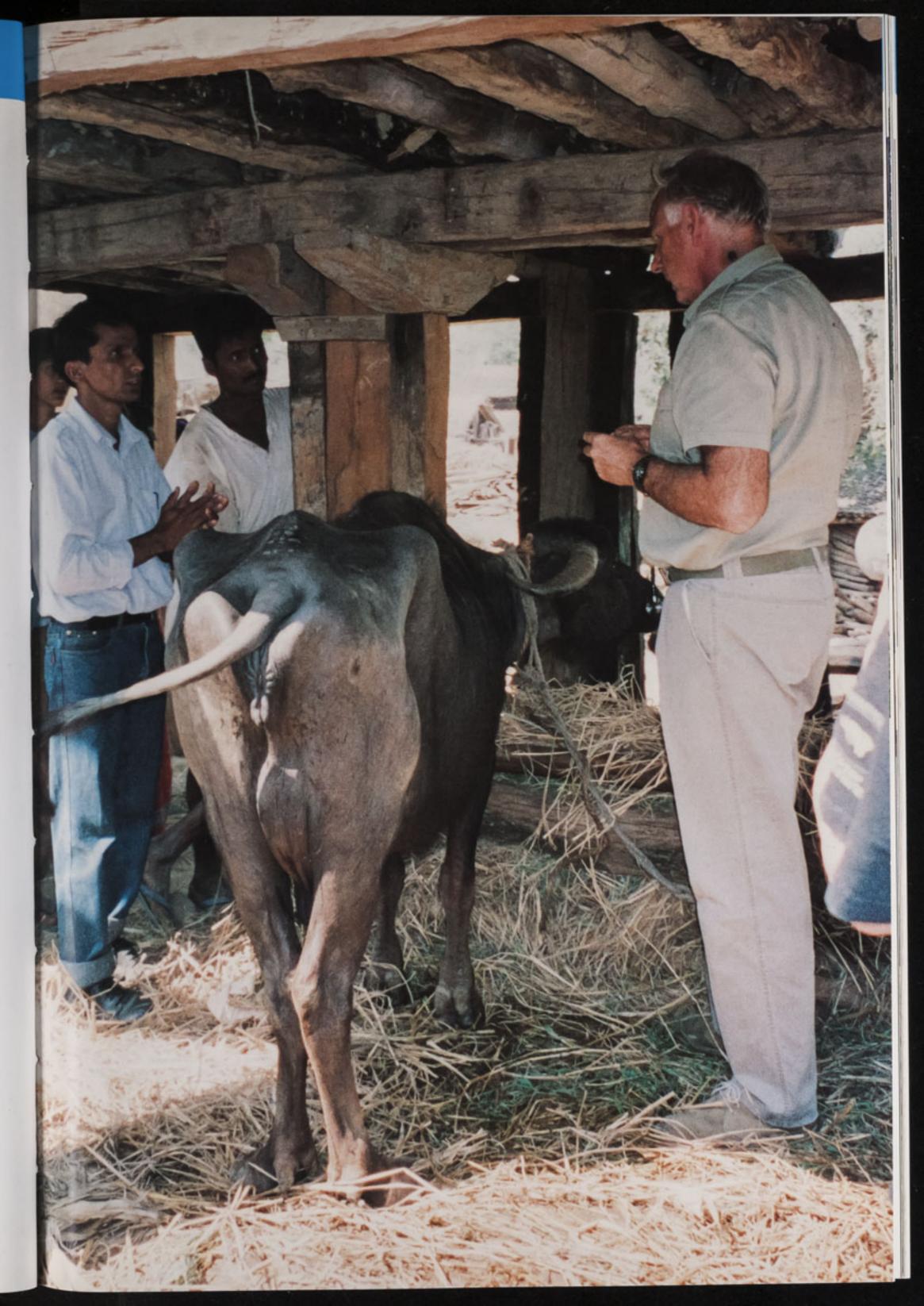
In September, Dr (now Professor) Georgina Mace was appointed as Director of Science. Under her leadership the Institute has prepared a new strategic plan which, with HEFCE's approval, formed much of the basis for the strategic partnership with Cambridge. She has been working in the Institute since 1982, most recently as a NERC Advanced Research Fellow. She is well known in the international conservation community, not just for her research, but for her contribution to IUCN's Species Survival Commission. Dr Bill Holt deserves our grateful thanks for leading the work of the Institute as Acting Director of Science during 1999 and the first part of 2000.

Visitor numbers at our two sites were down on 1999, with 935,000 paying visitors at London Zoo and 420,000 at Whipsnade Wild Animal Park. The extended poor weather at key periods during the year was a contributory factor and London Zoo suffered, as did most major visitor attractions in the capital, from a number of new Millennium-related visitor attractions that together drew an estimated attendance of over 12 million. The future of the Dome is uncertain but it will clearly not be a significant competitor during 2001.

Above: The giant anteater twins ride on the back of their mother. Photo: Amanda Ferguson

Opposite: Mahdi, Nepal: Dr Jacques Flamand, ZSL Senior Veterinary Adviser for the Wildlife and Domestic Livestock Veterinary Project, and Siba Lal Acharya, Technician, treat a buffalo with a digestive disorder.

Photo: Jo Gipps







In keeping with our description of ZSL's zoos as a single collection on two sites, the departure of Simon Tonge (Senior Curator, London Zoo) to the Directorship of Paignton Zoo enabled us to re-consider the organisation of our Animal Management Departments, resulting in the creation of the new role of Senior Curator for ZSL. Nick Lindsay, formerly Curator at Whipsnade, was appointed to this position in September, having also overseen our field projects for a significant part of the year.

We operated without a Director of Field Conservation during the year as we looked at the strategic imperatives for all of our activities. Developing a strong and effective field programme remains core to ZSL's mission and we expect shortly to resolve how best to develop these activities and make appropriate use of the expertise in the Institute and the zoos as part of this. Meanwhile, our field staff continued their invaluable work in a number of countries.

Whereas this Review looks back on our work in 2000 rather than dealing with current issues, it would be inappropriate not to refer to the epidemic of Foot and Mouth Disease which has swept through the country. Whipsnade was closed at the outset because of the proximity of initial suspected cases and the number of free-roaming animals; London Zoo has remained open, because of the urban location and the precautions that we have taken. With no paying visitors at Whipsnade, and greatly reduced numbers at London - possibly for an extended period - it is clear that 2001 will be a difficult year for ZSL, and cost cutting measures have been put in place.

This report again details the work of the Society under the headings of Conservation & Science and Education & Information; the interdependence of the various constituent parts of ZSL in achieving our mission is very clear. Also vital is the contribution of our central services such as Finance, Information Technology, Membership and Personnel in ensuring that the necessary framework

and systems are in place for running such a complex and diverse organisation. The work of our Public Relations team has ensured that ZSL received overwhelmingly positive media coverage on a wide range of issues during the year, and our fundraising activities continue to raise donations in the form of cash gifts, legacies and gifts-in-kind.

We have this year introduced a new section on the work of the zoos, with details of the major developments in the animal collections. As before, Part 2 of the Annual Report contains a great deal of information about the work and organisation of ZSL.

On behalf of Council, I would like to pay tribute to our dedicated staff, volunteers, trustees and committee members, who contribute in so many ways to the work of the Society and the achievement of our mission.

Pal Horney.

Professor Paul H Harvey FRS Secretary

Above from top: White rhino and her calf at Whipsnade. Photo: Rob Day

Red river hogs were a new addition to London Zoo in 2000. Photo: Michael Lyster

6

ZSL recognises outstanding achievements in the field of zoological research and conservation through its annual presentation of awards and prizes. The awards for contributions to zoology for 2000 are:

The ZSL Frink Medal for **British Zoologists**

(for significant and original contributions by professional zoologists to the development of zoology in its wider implications) to Professor Richard Fortey, FRS, of The Natural History Museum, in recognition of his contribution to palaeontology.

The Scientific Medal

(awarded to zoologists 40 years of age and under, in recognition of scientific merit) to Dr Austin Burt, of the Imperial College London, for his research in evolutionary biology.

The ZSL Marsh Award for Conservation Biology

(for contributions of fundamental science and its application to the conservation of animal species and habitat) to Dr Andrew Balmford, of the University of Cambridge, for his contribution to conservation biology.

The Thomas Henry Huxley Award

(for original work submitted as a doctoral thesis) to Dr Sarah Hunt, of the University of Bristol, for her thesis The ecology of vision in a passeriform bird: the blue tit (Parus caeruleus).

The Prince Philip Prize

(open for competition to pupils, under 19 years of age, of schools or other places of education in the United Kingdom, the Channel Islands or the Isle of Man, on the basis of an account of practical work involving some aspects of animal biology) to Katherine Herborn of Peter Symonds' College, Winchester, for her essay The greatest navigational tool used by ants to find the position of a food source is a scent trail by ants returning from the food source. Is this hypothesis correct?

The ZSL Marsh Award for Conservation Biology, the Thomas Henry Huxley Award and the Prince Philip Prize are sponsored by the Marsh Christian Trust.





Above from top: The 1999 prize winners, who received their awards at the AGM in 2000. With them is Sir David Attenborough, who was awarded Honorary Fellowship in 1998. Photo: Brian Aldrich

The Prince Philip Prize.

The conservation of animals and their habitats is the key role of ZSL. Our scientists in the laboratory and the field, animal management teams at both zoos and our veterinarians contribute wide-ranging skills and experience to both practical conservation and to the scientific research that underpins this work.



8

We collaborate with over 100 organisations worldwide to ensure the best use of skills and resources. Here we outline progress in a selection of our projects, starting with scientific research at the species level and above, and moving on to more practical conservation projects directed at particular populations or even individual animals.

Interspecific studies

The management and conservation of whole communities might be improved if we could predict what happens when a species extinction occurs or when a new species invades. By studying food webs in various natural communities of animals and plants we may reach some general conclusions about processes that influence the composition and complexity of any natural community. In a detailed study of the structure of a community of aphids and their parasitoids we have been able to measure and describe all species interactions. This provides a model system to analyse and predict the consequences of disruption.

A key question in conservation biology is what predisposes certain species to a high risk of extinction: are some species innately more vulnerable to extinction than others? New assessments of the conservation status and evolutionary relationships of mammalian carnivores and primates, together with the life history and ecology of each species, have made it possible to study correlates of extinction risk. A high trophic level, low population density, slow life history and, in particular, a small geographical range, are all independently associated with high extinction risk. Together, these traits explain over 50% of the variation in extinction risk between species. Much of the remaining variation is accounted for by external human threats that affect species, whatever their biology.

We have analysed these anthropogenic threats in more detail, investigating how they influence the extinction risk of bird species. Why, for example, are parrots and albatrosses especially vulnerable to extinction whereas woodpeckers and cuckoos are unusually secure? Our results show that different biological traits predispose species to particular threats. Human persecution and introduced predators are among the most common threats and lead to particularly severe extinction risk in species with a large body size and long

Above: One of the aphid species used in a community study of species interaction.
Photo: Christine Müller

generation time. However, habitat loss (the most common threat overall) is most severe for habitat specialists and for species with small body size.

Most attempts to quantify the effects of extinction assume that species go extinct randomly with respect to their evolutionary relatives. This will tend to mean that a closely related species will survive and the overall impact on loss of biodiversity will not be too serious. However, our recent work on mammals and birds shows instead that whole taxonomic groups tend to be threatened. After analysing lists of endangered species, we could show that far more biodiversity would therefore be lost than expected should these species go extinct. Our results suggest that this extra loss would be equivalent to around 850 million years of evolution for the mammals alone.

A key article entitled Emerging infectious diseases of wildlife – threats to biodiversity and human health was published by our Veterinary Pathologist in collaboration with researchers at the Centers for Disease Control and Prevention, Atlanta, and Australian Animal Health Laboratory, CSIRO, Australia. The article discusses parallels between the spread of human and wildlife infectious diseases and their causes, interactions between wildlife, domestic animal and human populations, and key factors driving disease emergence.

Research on endangered populations

Collaboration between researchers at the Institute of Zoology and the University of Bristol continued to provide valuable insights into the ecology and genetic diversity of endangered bats in the UK. Molecular and field studies of the greater horseshoe bat have revealed that genetic mixing among summer maternity colonies is limited and probably occurs mainly during the breeding season, when females from several colonies visit and mate with territorial males in caves. Males were shown to vary widely in their breeding success, which has implications for conservation management. By combining information on male success with observations of territory tenure, it has been possible to identify several important breeding territories that can now be safeguarded from future disturbance.

One possible solution to the problem of loss of genetic variation in small groups of animals is genetic resource banking, whereby semen is frozen and stored for use in controlled breeding programmes. However, there is extensive variation between individuals in the quality of semen after thawing, and one of our PhD students has confirmed a genetic basis for this variation. DNA from boars classified as "good" or "poor" freezers was analysed for molecular markers which will help identify animals whose semen will freeze well, thereby enhancing the use of genome banking as a viable conservation tool.

The lemurs of Madagascar are threatened with extinction, and conservation efforts include habitat preservation and captive-breeding programmes. As part of a field study of the mongoose lemur, reproductive biologists at ZSL have analysed the progestagen and oestrogen content of faecal samples from wild family groups. Most females conceived







during the first oestrus of the breeding season and pregnancy was reliably diagnosed at c. 47 days gestation: new findings on the reproductive physiology of strepsirhine primates (lorises, lemurs and galagos) which will facilitate further conservation efforts.

Between April and August 2000, a mass die-off of Caspian seals occurred in the Caspian Sea. ZSL scientists were part of an international team investigating the cause of this mortality. Initial post-mortem examinations of seals from Kazakhstan and Azerbaijan were inconclusive, although many seals were emaciated. Microscopic tissue analysis revealed a consistent pattern of lesions that were highly suggestive of distemper. Further diagnostic tests confirmed that seals with distemper-like lesions were infected with canine distemper virus (CDV). The origin of this infection in Caspian seals and its overall effect on the seal population are still under investigation.

Following suggestions that cheetahs in the Serengeti may suffer from interactions with lions, one of our researchers has documented avoidance behaviour in large carnivores for the first time. Lion and hyaena calls were played through a loudspeaker to cheetahs in the Serengeti to examine the risks perceived by the cheetah. While cheetahs moved just as far away after lion or hyaena calls, they spent more time looking at the loudspeaker and were less likely to make a kill after lion calls, suggesting that they perceive lions to be a greater threat than hyaenas.

In collaboration with researchers at the Moredun Research Institute, Edinburgh, and Queen Mary College, University of London, ZSL scientists published results of a serological (antibody) survey of parapoxvirus in red and grey squirrels in the UK. Parapoxvirus disease produces significant mortality in red squirrels and is considered a factor in the demise of this species. The survey showed that a large proportion of grey squirrels have antibodies, which implicates the grey squirrel as a reservoir host of the virus

and a source for red squirrels. This could explain why outbreaks of the disease continue to occur in small isolated populations of red squirrels.

A long-term study of fertility in wild black rhinoceros females in Save Valley Conservancy, Zimbabwe, resulted in validation of an accurate pregnancy test from faecal steroid analysis. Two important discoveries were the seasonal control of reproduction, and a lag of around 3.5 years between translocation and resumption of breeding activity.

In the Aquarium at London Zoo research continued on the implications of infection by Mycobacterium spp. for conservation of wild and captive populations of Lake Victoria cichlids. Two techniques for tagging seahorses that had no effects on survival, growth, feeding or behaviour were developed and will be used to study behaviour and dispersal in the wild. New funding was obtained from Columbus and Chester Zoos and the Rufford Foundation for underwater and trade surveys on Banggai cardinal fish in Central Sulawesi, Indonesia.

A genetic study of hybridization between red deer and introduced Japanese sika deer in Argyll, Scotland, was carried out in collaboration with the University of Edinburgh. 62% of sika deer and 33% of red deer were shown to have some hybrid ancestry. It is unlikely that deer managers will be able to remove sika deer from the British landscape and the 1981 Wildlife and Countryside Act has now been amended to designate several of the Hebridean islands with existing red deer populations as a refuge for the Scottish red deer type.

Practical conservation projects in the zoos and in the wild

Our wildlife veterinary staff in the field worked with the African Wildlife Veterinary Project on the Pan-African Rinderpest Campaign until its completion in June. Field operations in Ethiopia, Tanzania, Uganda and Kenya suggest that the rinderpest virus dies out once it is eliminated from contiguous cattle, and the integration of wildlife monitoring

Above from top: Caspian seal pup. ZSL scientists were part of an international team investigating causes of mortality. Photo: Paul Jepson

Underwater and trade surveys are being carried out on Banggai Cardinal fish in Indonesia. Photo: Terry Dennett

Opposite: A Wart-biter cricket bred at London Zoo – an ongoing release programme by ZSL. Photo: Rod Williams

10





and serosurveillance is essential, as is our understanding of the role of wildlife in the epidemiology of the disease. This project has made a vital contribution to methods of monitoring and understanding the transmission of the virus towards the ultimate goal to eliminate rinderpest altogether from Africa.

We have seconded a wildife vet as
Technical Assistant, Wildlife Veterinary
Expert, in the Pan-African Programme of
the Control of Epizootics (PACE). This is
a large programme supported by the EU
and involves the monitoring of several
problem contagious diseases affecting
both domestic and wild ungulates in
32 African countries.

Under the umbrella of the Madagascar Fauna Group, we continued to support the reintroduction of black and white ruffed lemurs into Betampona Reserve. One pair of reintroduced animals produced young and both wild and reintroduced animals were monitored throughout the year.

The veterinary monitoring of animals before, during and after reintroduction is of major importance in the success of conservation programmes. ZSL veterinary staff continued to assist with the scimitar-horned oryx reintroduction in three national parks in Tunisia. The majority of the released animals, plus six offspring born since the reintroduction, were sighted during visits to the Bou Hedma and Sidi Toui National Parks. Training workshops on immobilization and health checks were held for Tunisian National Park staff. At a meeting with the Tunisian Direction Générale de Forêts, Park officials and vets from the Ministry of Agriculture and Veterinary Faculty considered the management and monitoring of disease in wildlife.

London Zoo's Head Keeper of Reptiles, in collaboration with the Egyptian Environmental Affairs Agency and others, is working to establish a species recovery programme for Kleinmann's tortoise. At a workshop in Cairo, facilitated by ZSL staff, this project was highlighted to show that serious captive management

programmes have high conservation potential. Important contributions have been made towards veterinary screening and health assessment of the species, following IUCN guidelines on reintroduction and relocation.

In her role as Amur leopard EEP
Co-ordinator, London Zoo's Conservation
Programme Co-ordinator developed
a collaboration between ZSL, the
International Zoo Veterinary Group,
ZooDent International and the Berlin
Institute of Zoo Biology and Wildlife
Research to assess the health and
reproductive potential of individually
important leopards in Prague and Moscow
Zoos. With only 40 Amur leopards left
in the wild, this zoo programme is a
crucial conservation resource.

A grant was awarded from WWF-US to compile a worldwide database on tiger projects and the associated distribution of funding. Conservation NGOs throughout the world are currently spending around \$6 million per year on tiger conservation and this database will help ensure a cost-effective approach in the future.

21st Century Tiger is a partnership between London Zoo and Global Tiger Patrol (of which Esso UK plc is a founder supporter). It has now raised nearly £400,000, all of it used on wild tiger projects. Fundraising events during 2000 included a major tiger art exhibition at the Burrell Collection in Glasgow.

Four projects were funded: Tiger Protection Units, Kerinci Seblat National Park, Sumatra - a four-person rapid response unit investigating reports of poaching and other illegal activity; Investigations into the illegal trade in tiger parts, India - the construction of a database and the use of informants to carry out "sting" operations against offenders; Community Leaders, India an innovative project using local leaders to involve the whole community in protecting tigers; GIS Mapping Project, Russian Far East: using the latest technology to produce detailed maps of tiger habitat and prey distributions.

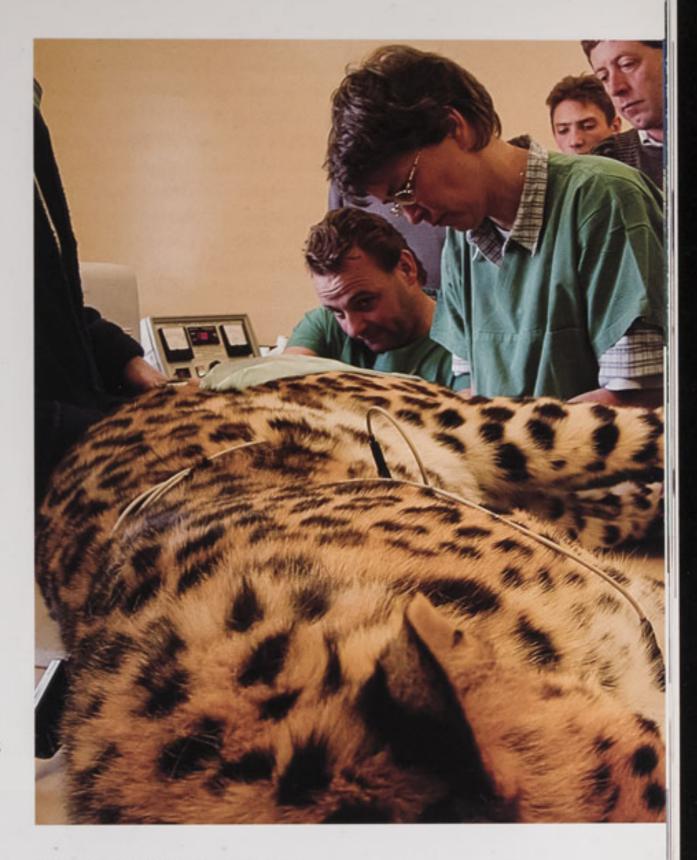
Above: Sika stag (foreground) and red stag (background): a genetic study of hybridization carried out in collaboration with the University of Edinburgh (see page 10).

Photo: Josephine Pemberton

The Leuser Ecosystem in Gunung Leuser National Park, northern Sumatra, covers some 2.5 million hectares of tropical rainforest and includes some of the largest populations of Sumatran tigers, rhinos, elephants and orang-utans. ZSL staff advised the Leuser Development Programme on the monitoring of large mammals and helped to set up a tiger monitoring programme. Leuser staff were trained in techniques for surveying secondary signs of tigers, such as recording tracks, scats and territorial markings, and results from a preliminary survey were analysed. A survey revealed the rapid decline in the orang-utan population of about 45% from 1993 to 2000; a continuation of this rate of decline would raise strong doubts about the future of the population.

Practical conservation of threatened gazelles is undertaken through collaborative projects based at King Khalid Wildlife Research Centre, Saudi Arabia, managed by ZSL on behalf of the National Commission for Wildlife Conservation and Development. Genetic studies can contribute to captive-breeding and reintroduction programmes by helping to define stocks and assess genetic diversity: results suggest that subspecies of sand gazelle are distinct taxa but probably hybridize. Research on the Arabian leopard and wolf is also now under way.

The condition of the reintroduced oryx, sand and mountain gazelles along with the vegetation in the Uruq Bani Ma'arid Protected area was assessed as part of the routine monitoring, which has become especially important owing to prolonged drought. The gazelles continue to do well and the monitoring results are being used to improve reintroduction techniques for future releases. New work on range condition in relation to the ibex and gazelle populations at the Ibex Reserve has been initiated. Surveys were extended into the far south to monitor areas formerly inhabited by the Afri, as well as to the extreme north, where confirmation of extant Mountain gazelles living on the Saudi side of the Gulf of



Aqaba has clarified our knowledge of historical gazelle distributions along the Great Rift valley.

Part of the project managing the St Katherine's Protectorate in Sinai involves wildlife monitoring, and a camera trapping programme was set up with ZSL's help two years ago. Results of 18,500 hours of live camera time were reviewed and species recorded included wolf (the first photographic record for Egypt), ibex, Dorcas gazelle, striped hyaena, many foxes and a number of bird species. This project demonstrates that camera trap data can be used to show us where, when and how often wildlife needs to use basic resources, such as waterpoints, which are usually also used by domestic stock and people. The revealed patterns of interaction have important implications for management decisions and associated epidemiology.

Above: Amur leopard assessment work in Moscow: ZSL is part of a collaboration with the Berlin Institute of Zoo Biology and Wild Animal Medicine to assess the health and reproductive potential of individually important leopards in Prague and Moscow Zoos.

Photo: Peter Kertesz, ZooDent International



Above: One aspect of ZSL's project in St Katherine's Protectorate, Sinal, is to resolve problems such as rubbish disposal in the area, demonstrated by this illegal rubbish dump behind Sharm el Sheik (see page 13). Photo: Tim Wacher

Below: Mahdi, Nepal: looking towards the southern boundary of Chitwan National Park. Photo: Jo Gipps

It was an eventful year for Project Seahorse. At London Zoo we successfully bred the endangered Knysna seahorse. The field programme in the Philippines, funded by the National Lottery Charities Board, included fishing ground surveys, socio-economic research in local communities and collaborations with the new alliance of marine protected areas. Development of seahorse aquaculture continued at the Institute of Oceanography, Nha Trang, Vietnam, with successful rearing of seahorses using cheap, locally available brine shrimp enrichments, facilitating aquaculture projects in developing countries.

The project Conserving Cows,
Culture and Wildlife, focusing on the
inter-relationships between local peoples
and national parks, was carried out in
the Lake Mburo National Park (LMNP)
in Uganda. This was a community study
based on the idea that identifying and
developing the cultural values of protected
areas, of interest to local people, will
help build strong support for conservation
among these communities. The project
focused on the LMNP and the Bahima

pastoralist people; Park managers and the Bahima have conflicting interests in that the managers want the area left undisturbed and the Bahima wish to graze their Ankole cattle. The project recommended that the management objective of the Park be modified to include the conservation of the Ankole cow as an integral part of its work.

The Guassa Biodiversity Project, run by ZSL and funded by the Darwin Initiative for the Survival of Species, included a detailed ecological study of the Critically Endangered Ethiopian wolf and a study on the impact of human use on biodiversity of the area. The results have highlighted the conservation potential of common land, particularly where formalized protected areas are socially and economically undesirable.

The Fregate Island beetle, the world's largest tenibrionid species, is classified by IUCN as Critically Endangered. In partnership with Birdlife Seychelles, a breeding and research programme was established at London Zoo.

Breeding to the third generation has been achieved, allowing individuals to be sent to found new captive colonies at three other institutions in UK and Poland.

Work continued on the development of a web-enabled studbook for managing Partula populations internationally. This represents a potential major advance in the way that studbooks are managed: for the first time participating institutions will be able to enter and manipulate their own data, which is uplifted onto a central database at ZSL. At the same time, our staff – together with external consultants – continued the development of a web-enabled conservation projects database for the European Zoo Association's Conservation Committee.

Wart-biter crickets hatched from the ZSL egg-fields were successfully reared and pre-release health examinations confirmed that the animals were fit and parasite free. Forty-five crickets were released into a secret Sussex site managed by English Nature. Three pairs of wild-caught field crickets were successfully reared and mated in a dedicated facility. More than 3,000 late instar nymphs were released at four sites in West Sussex. A small population was moved to a purpose built enclosure at London Zoo to try to maintain some over-wintering breeding stock.

The Wildlife and Domestic Veterinary
Programme in the Royal Chitwan
National Park went from strength to
strength with all four clinics up and
running. This project covers two main
areas, providing improved veterinary
care of domestic livestock through the
setting up and manning of clinics in the
buffer zone of the Park and also wildlife
management. During the year rhinos
were translocated from Chitwan to
Bardia National Park, and work
continued with monitoring wildlife and
in carrying out post-mortems on rhinos
and tigers found dead in the area.

Further details of the Institute of Zoology's research appear in ZSL's scientific report, Science for Conservation 2000.



Above: Annual survey of gazelles, Farasan Islands, Red Sea. Part of the survey work for the National Commission for Wildlife Conservation and Development, Kingdom of Saudi Arabia (see page 13). Photo: Jim Wacher





Education plays a key role throughout the work of ZSL, and is central to our mission. Each year, up to 1.5 million visitors enjoy close observation of animals combined with a range of information on wildlife and conservation issues.



Animal presentations, exhibitions and touch tables all enhance the understanding of the natural world. Over 85,000 children participate in our programme for schools, whilst our scientific lectures, talks, courses and publications bring the work of the Society to an international audience.

Organised educational visits to both zoos by schools and colleges continue to rise. For the fourth year running, both London and Whipsnade recorded an increase in school visits, with 29,500 children coming to Whipsnade and 56,200 to London; this latter increase was despite competition from the Dome which offered free entry to a million school children. These figures are extremely encouraging given that overall visitor attendances for the year were lower at both zoos when compared to previous years.

Education Officers at London teach a variety of sessions to children from age 5 to A level students. All sessions are specifically designed to meet the requirements of the national curriculum and vary from hands-on activities and illustrated talks to tours and observation trails. The most popular sessions are practical activities that use a variety of biofacts, many on permanent loan from HM Customs.

As part of our on-going programme to provide support materials to visiting teachers, a number of resource packs were either written or revised throughout the year. At Whipsnade, two new packs were developed to cover specific areas of the national curriculum and the increasing demand for information from students on GNVQ courses. London Zoo provides tailored sessions for students studying GNVQ in Leisure & Tourism and in Business & Finance; these have proved to be our extremely popular with secondary schools. In order to ensure our material meets the constantly changing requirements of the national curriculum, we have formed a group of local teachers to review new resource material in draft before production.

Following the very successful, now annual, Gifted Students programme at Whipsnade involving three local schools, we have been working on developing the prototype "Discovery Box" made by the students as part of their project. As a result, twenty of these boxes, which comprise an interactive trail with activities around the Park, are now available for schools to use during their visit.

Visitor Education

Interpretation of animals, conservation issues and the role of our zoos in co-operative breeding programmes is

16

Above: An Education Officer leads a hands-on activity at London Zoo. Photo: Brian Aldrich



at the forefront of the work carried out by the Education Departments. Species labels, large graphic panels, touch tables, talks, guide books and live animal presentations are among the educational tools for increasing interest and commitment to wildlife among our visitors. At Whipsnade, the production of three interpretation panels for the red panda enclosure was made possible by continued sponsorship from Alconbury Elementary School who have supported Whipsnade, and the red pandas in

particular, for the past four years; the panels cover: What is a red panda?, Conservation of the red panda and Animals of the Himalayas. They are of a similar design and layout to those at the lemur enclosure and we have again been able to utilise the frame and canopy structure already in place.

The programme of refurbishment in Whipsnade's Discovery Centre has continued with the refurbishment of two areas. Both the desert and rainforest



Above: Children from Alconbury Elementary School sponsored the new red panda interpretation panels. Photo: Simon Hodge

Left: Wildlife Garden, London Zoo (see page 18). Photo: Dave Clarke



areas have been decorated with murals to create a feeling of the habitats both in and around the enclosures. New interpretation panels comprising information on the habitats and their wildlife have also been produced and new species labels have been positioned by each exhibit.

The Wildlife Garden at London – part of the Web of Life development – received new interpretation panels encouraging visitors to create habitats and planting schemes in their gardens to support native species. Two new computer animations, one explaining the effect of habitat fragmentation on golden lion tamarins and the other, dealing with natural selection, were installed in Web of Life. For the birth of London's first giant anteater twins, we produced information combined with CCTV showing the babies inside the den with their mother.

Labels explaining how the Zoo's gardeners produce food plants for animals were produced for London Zoo's display at the Regent's Park Flower Show. Many species labels were produced or revised for native reptiles and for additions to the collection. Four large panels were produced to interpret conservation and fundraising for primates.

Touch tables are used in London Zoo to increase interest and understanding of animals. We carried out a major review of these activities with a view to introducing new themes and new objects for handling, and subsequently introduced a new touch table in the aquarium. Here, volunteers talk about and display a range of items including sea urchins, corals, shark skin and sponges. We also developed a short talk delivered by the volunteers to introduce the daily fish feeding event. On the days the piranha are featured, the speaker has to be very quick off the mark - arriving a few seconds late can mean missing the entire event!

At both London and Whipsnade, we participated in a nation-wide campaign with other members of the Federation of Zoos to raise awareness of threatened primates, supporting, in particular, two species: the lowland gorilla and the golden lion tamarin. At London, visitors painted hand prints and gave donations in return for an information sheet.

The Saturday Club at Whipsnade continues to be successful, with 50 children taking part in the annual Day with a Keeper activity. These events are increasingly popular, and we have to limit the number of children who can take part.

ZSL continues to play a prominent role in the wider zoo education community. Both zoos are represented on the Federation of Zoos Education Committee, and the Education Officer at Whipsnade was elected Vice Chairman of the Committee in June. London Zoo hosted the British and Irish Zoo Educators' Conference, attended by

Above: Volunteers present a range of biological material on touch tables at London Zoo. Photo: Brian Aldrich

Opposite from top: Two annual events at London Zoo: Special Needs Day and Adopt an Animal Week.

Photos: Michael Melia/Brian Aldrich





education officers from as far afield as Dublin and Edinburgh. The three-day event, packed with talks and workshops, focused on interpretation and the evaluation of labelling, on specific parts of the science national curriculum and on the wildlife trade in Britain and abroad. Another important topic discussed was the bushmeat trade, which will be the focus of a major educational campaign at London and Whipsnade, and throughout Europe, in 2001.

Qualifications and training

In the Institute of Zoology, three of our students were successful in obtaining their PhDs during the year: Jim Groombridge for his work on the conservation genetics of the Mauritius kestrel, Steve Rossiter for his studies of genetic structure in the endangered greater horseshoe bat and Lisa Thurston for her research on factors affecting the fertility of boar spermatozoa following cryopreservation.

The Master of Science Course in Wild Animal Health (MScWAH), run jointly with the Royal Veterinary College, continues to be oversubscribed, and the maximum complement of 15 are attending the 2000/2001 course. There are now 70 graduates of the course, from 31 countries and six continents. The Quality Assurance Agency carried out an assessment of the standard of teaching and awarded the course a score of 24/24 (100%). Their report noted the high level of enthusiasm and satisfaction expressed by the veterinarians on the course, and that the pass rates were excellent.

Five trainee keepers at London passed the City-& Guilds examination in Zoo Animal Management. Three gained distinctions in the written exam paper and Lyndsey Marsh additionally gained a distinction in the course assessment and practical work. All ZSL's trainee keepers study for this qualification, which comprises written assignments, researching an individual project and undergoing practical assessment in husbandry skills.

Meetings

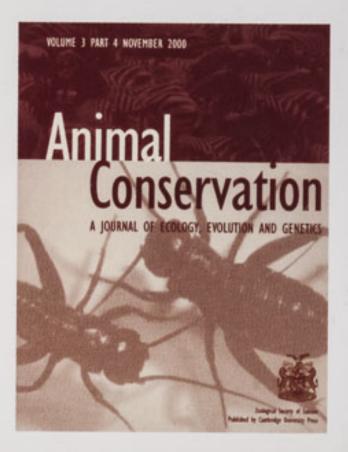
An essential part of ZSL's work is facilitating the communication of information between professional zoologists, researchers and the general public. We hold four series of meetings, which are open to the public as well as to members of staff.

Tuesday Talks are aimed at a general audience. Nine talks were held during the year, covering a wide range of topics, including Gorilla tactics, Mudflats, misconceptions and the millennium, and From concrete to warblers – the story of the Wetland Centre. The Living Wild, a collection of stunning images presented by internationally recognised wildlife photographer Art Wolfe, was particularly popular.

At each Scientific Meeting three speakers provide an overview of important research within a particular field. The eight Meetings held during the year covered diverse subjects, such as Can parks protect Africa's predators?, The conservation of animal diversity in river basins and Cycles in animal populations.

The Science and Conservation seminars held by the Institute of Zoology comprised talks by invited speakers on subjects relevant to our research, for example, Biology after the human genome, Snake venom proteins: a new male contraceptive and Life history and extinction risk in bats.

ZSL's international symposium Reproduction and Integrated Conservation Science, organised by



Above and right: Amongst
ZSL publications in 2000 were
the International Zoo Yearbook

and the quarterly journal Animal Conservation. Drs Bill Holt, Amanda Pickard, John Rodger and David Wildt, celebrated the contributions of reproductive biology to the enhanced management and conservation of endangered species. Over 20 speakers addressed how the reproductive sciences contribute to integrative conservation programmes in zoos and in the field and identified the highest priorities for the new millennium.

The 2000 Sir Stamford Raffles lecture, How the brain generates consciousness, was given by Professor Susan Greenfield, Director of the Royal Institute of Great Britain. The event was again generously sponsored by the Singapore Tourism Board and Singapore Airlines.

Publications

Journal of Zoology, ZSL's pre-eminent international journal dedicated to academic zoology, continues to attract contributions from top researchers. During the year 160 original peer-reviewed articles were published in 12 monthly parts of Volumes 250-252, providing comprehensive coverage of the latest research and developments in zoology.

Our quarterly journal, Animal
Conservation, provides an important
forum for the rapid publication of
rigorous empirical or theoretical studies
relating to species and population
biology. The journal continues to
bring together exciting new research

Journal of ZOOLOGY

Volume 251 Part 3
July 2000

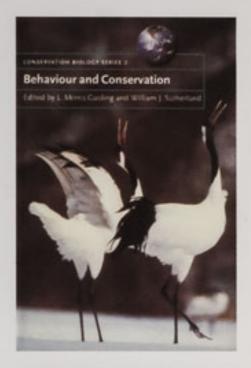
Now Online
when journals soup any

and ideas from evolutionary biology and ecology that contribute to the scientific basis of conservation biology.

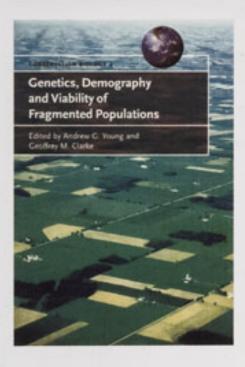
Volume 37 of the International Zoo Yearbook contains 43 articles, 32 of which are on the conservation of Psittacines. Nigel Collar, BirdLife International, gives an authoritative overview of the 90 species of parrots which are threatened with extinction, while others provide information on breeding, husbandry, conservation, health and captive management of these fascinating and beautiful birds. Section 2 articles range from the husbandry and breeding of the Kerry spotted slug to hand-rearing and reintroduction of a Sumatran orang-utan. The Guest Essay by Sally Walker addresses the continuing establishment of regional or national networks of the Conservation Breeding Specialist Group.

The Conservation Biology series, published in association with Cambridge University Press, includes internationally significant advances in the science that underpins conservation biology. Titles are based either on symposia held at ZSL or on other topics which meet these aims. During 2000 three titles were published: Behaviour and Conservation, edited by L. Morris Gosling and William Sutherland, Priorities for the Conservation of Mammalian Diversity, edited by Abigail Entwistle and Nigel Dunstone, and Genetics, Demography and Viability of Fragmented Populations, edited by Andrew Young and Geoffrey Clarke.

The Zoological Record, published jointly with BIOSIS, is the oldest continuous information service for the life sciences. As a record of all aspects of zoological research, it is considered the foremost publication in its field. The continued generous support of various institutions, principally the British Library Document Supply Centre at Boston Spa and The Natural History Museum, London, in providing access to material for indexing is gratefully acknowledged.







Above: Three new volumes in the Conservation Biology Series.

Left: Journal of Zoology, published monthly. ZSL's animal collections attracted
1.4 million visits during 2000,
giving us the unique opportunity to
inspire and involve a vast number
of people in the conservation and
education work of the Society.
We carried out improvements
to exhibits on both sites, and
recorded a number of notable
breeding successes.



Last year's report started with the development of Web of Life, housed in the Millennium Conservation Centre, as the major work of 1999. It is appropriate, therefore, again to start this year's review of the zoos with Web of Life, highlighting the impact it has made. There have been teething problems as would be expected with a building of such complexity. However, it has been widely accepted as a very exciting addition to London Zoo and a genuine contribution to ZSL's conservation mission.

The birth of twin anteaters in August is a good example of how this project has worked – these were not only the first anteaters born and raised successfully in the UK but they are also unusual by being only the second twins recorded as having been reared in captivity. The successful breeding of giant wetas and Seychelle scorpions are further examples of how this area has worked for the animals as well as for the visitors. The building itself won the Civic Trust 2000 Award for Sustainability and the leaf cutter ants even appeared on a postage stamp.

Whilst there were no major capital developments at either zoo this year, many

small projects have helped the continuous improvement of both sites. A new, but simple, 30 metres long macaw aviary has been constructed in the Bird Garden at Whipsnade. This was made possible through a private donation and has proved to be considerably good value for money, greatly enhancing both the quality of space for the birds and the visitor experience. The same techniques were applied to three new aviaries for the owls at Whipsnade, located in the Woodland Bird Walk, replacing some very aged aviaries. Funds for this were raised through the volunteers.

At London, two of the enclosures of the Michael Sobell Pavilion for Apes and Monkeys have been renovated with the outside enclosure roofs being raised by a couple of metres, considerably improving the quality of the space.

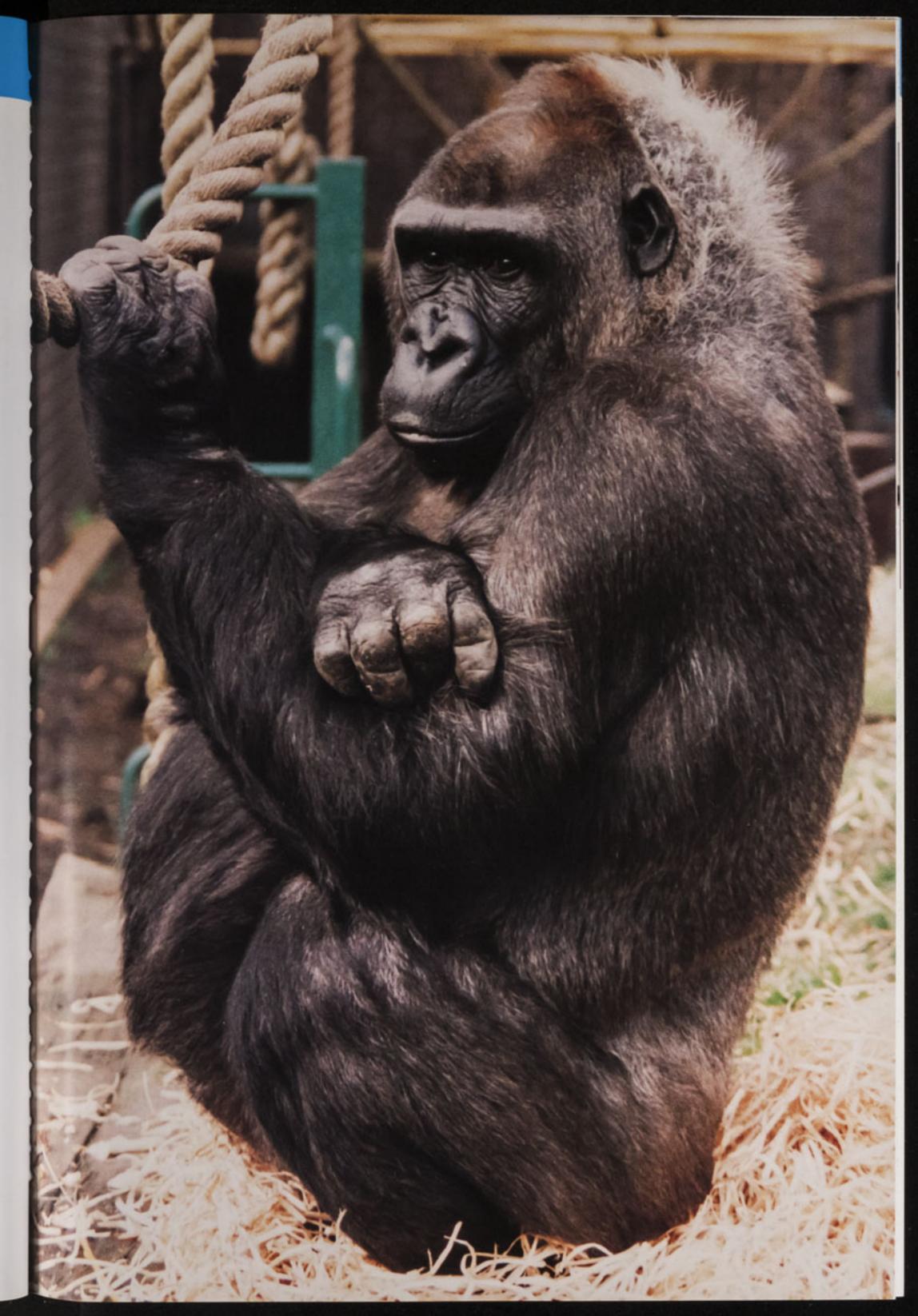
With new paintwork, internal structures, planting and turf, this is a good example of what can be achieved simply. The bat cave in the Clore Pavilion for Small Mammals has been upgraded and the kitchen and holding areas at the back of the Bird House have also been improved.

Above: A baby giant weta cricket stands next to a leg of an adult. Photo: Louise Murray

Opposite: Minouche, one of two female lowland gorillas received by London Zoo from Dvur Kralove Zoo in the Czech Republic.

Photo: Keith Lloyd

22





In the Aquarium, the old piranha exhibit was completely refurbished as a Mississippi cypress swamp with paddlefish, gars, pumpkin-seeds and terrapins; a new exhibit tank for Madagascar fishes was also installed in this hall. The Conservation Breeding Room for rare tropical freshwater fishes was completed and is on show to the public and proving very popular, and the Seahorse Conservation Room has also been finished. Six small tanks by the exit have also been upgraded and converted for new species, including big-bellied seahorses. As well as these improvements for the public area, a number of upgrades behind the scenes have been carried out including new filtration systems.

To match the development work of the Aquarium, a number of new species were obtained, including lookdowns and garden eels, Charco Palma pupfish (extinct in the wild) and four endangered species of fish from Madagascar.

A similar programme has been continuing in the Reptile House, including refurbishment of one of the units viewed from outside the building that had been empty for a number of years. Several of the inside exhibition areas have been stripped and redeveloped, again utilising Reptile House staff expertise in exhibit design to achieve some really interesting effects.

One of the major programmes managed through the Aquarium at London Zoo is that for seahorses, as part of *Project Seahorse*. This year saw excellent breeding in two species in particular, the Knysna and the yellow, with youngsters being exported to eleven zoos both in Europe and the USA.

Web of Life staff bred and released 3,000 field crickets into four sites in southern England and 45 wart-biter cricket nymphs for reintroduction programmes in the UK.

Our animal collection is continually evolving and as more species become subjects of regional management programmes, and in some cases international programmes, we attempt to develop our commitment to these. The year saw a number of new species arriving at both Whipsnade and London. Wild pigs returned to London Zoo with the arrival of a pair of red river hogs and four bearded pigs; these will play a crucial role in developing our expertise with the management of pigs which is likely to be an important part of our work in the future.

A trio of Goeldi monkeys will join the free-ranging silvery marmosets at Whipsnade, once they have completed their rabies quarantine; the management of free-ranging primates is something we want to develop on both sites.

The paperwork involved with any move can be considerable but the arrival of four taipan from Taronga Zoo at the Reptile House in London was the culmination of some four years preparation. Less logistically-demanding species included eyelash vipers, rare European viper species and Taiwan beauty snakes, amongst others. With amphibia possibly facing severe threats in the wild, it was good to increase numbers of both the golden poison arrow frogs and golden mantella frogs in our collection.

The successful breeding of species for the first time is an important element of our reports. However, the real test of any management programme is its continuing success. This year saw some very satisfying breeding of several species



Above: The new Macaw Aviary in the Bird Garden at Whipsnade.

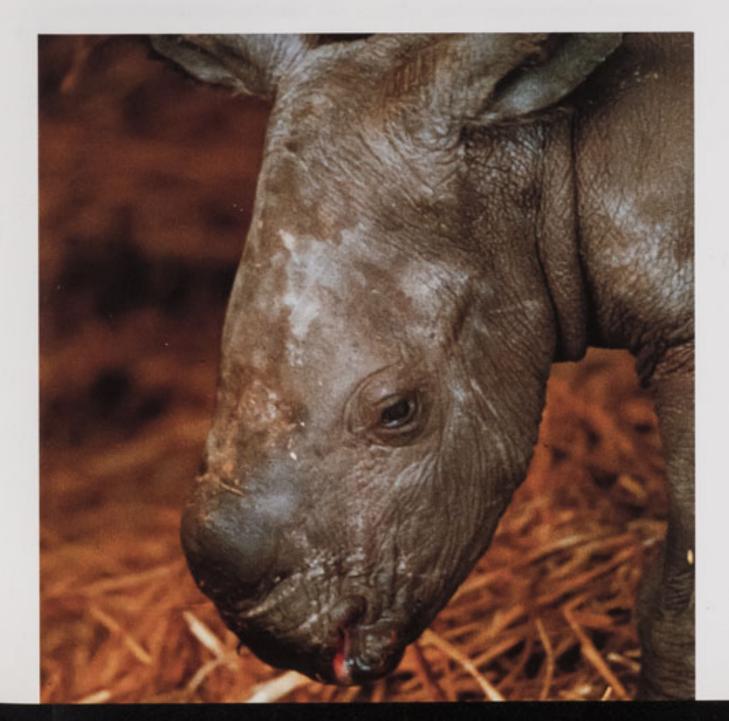
24

Right: Bearded pigs arrived at London Zoo during the year. Photo: Rod Williams important to our conservation work. The birth of a white rhino is always a major event as so few are bred in captivity, but Whipsnade must take the record with three births in one year. Just to make that even more special, they all proved to be female and one was the first offspring to be born by a female who was herself born at Whipsnade some 20 years ago. The same staff saw a rather unusual double, with births of both common and pygmy hippos and when to these are added the births of Nile lechwe and other of our antelope herds, it has proved to be an excellent year for breeding at Whipsnade.

There are always those satisfying results which are not necessarily record-breakers in any form but are key to much of our work. In this category would be the birth of our first Diana monkey for seven years at London Zoo and the first silvery marmoset twins at Whipsnade (the pair producing singletons up until now). The group of squirrel monkeys at Whipsnade produced young for the first time after exchanging males, which always seems to be a rather difficult process.

The Bird Section at London was particularly pleased with the breeding of the black hornbills who surprised us when two chicks fledged from the nest box, as opposed to the singleton we were expecting. Also rewarding was the breeding of the blue-crowned lory, a particularly challenging species. We believe that both breedings are firsts for the United Kingdom. This was a good year for the egrets and we also recorded our first successful breeding of the Waldrapp ibis.

The Clore Pavilion team followed their success with the first birth of striped possums with the first twin striped possums. The staff were also challenged with the hand-rearing of an emperor tamarin infant, one of triplets. They introduced this youngster to the family group very early and it seems to have been accepted well by the group even though the female did not start feeding it as had been hoped. Another hand-rearing success and reintegration to the group was with a dwarf mongoose at Whipsnade. These prove difficult to rear in any case, but this may well be the first time that one has been successfully re-introduced to its family group.



Left: White rhino calf: one of three born at Whipsnade during the year.







After several months of using ultrasound to determine pregnancy in the sealions at Whipsnade, two births occurred within three days of each other. Unfortunately the inexperienced younger female did not rear her youngster but the other male pup is doing extremely well. Our ability to perform ultrasound from training the sealions to this will provide very useful information for the future.

We were delighted to receive two new female lowland gorillas at London to join the existing trio of one male and two females. Both newcomers are delightful characters and although they were not mixed during the year because of rabies quarantine restrictions, they were run alongside each other and the indications that they will settle in well are good. Another important arrival was that of a female Malayan tapir which again should provide a very encouraging future for this species at the zoo.

Probably the biggest animal movement challenge of the year was the export of the black-tipped sharks to Burgers Zoo in the Netherlands. Due to careful planning and the expertise of the personnel involved this move was successfully completed and the sharks are now enjoying their extra space in a spectacular new facility.

Much easier, but just as significant for different reasons, was the move of two Przewalski horses from Whipsnade to a Site of Special Scientific Interest (SSSI) at Eelmoor Marsh in Hampshire. This is part of the programme to re-establish this species in the wild. Studies of the horses that have been held in the semi-free-ranging situations show that they make ideal candidates for future reintroductions. Reports from Mongolia, where a reintroduction has taken place, are very encouraging.

The Events Department in London obtained new display animals including saker and lanner falcons, caracara, barn owl, seriema, emus, and meerkats. The team at London are working more closely with their counterparts at Whipsnade on developing their respective

shows for our visitors, and the London Zoo team put on special Animals in Action shows for the Summer Open Evening, the Annual General Meeting, the Special Children's Day, and during Adopt an Animal week. As ever, the Christmas promotion was highly successful, playing host to nearly 10,000 paying visitors, who met the Nativity characters, and visited Santa's grotto.

People and organisation

Senior animal management staff changes included the appointment of Nick Lindsay from Whipsnade to the new post of Senior Curator for ZSL, covering the collection on both sites. As part of this reorganisation, John Ellis joined as Curator of Birds, On the commercial front, Caroline Masters joined the London Zoo team as Marketing Manager.

The commitment of ZSL and its staff to the conservation roles of the animal collection has again been significant. The limits are only really set by the availability of funds and time, but we accomplish a great deal. Many staff have roles within European Breeding Programmes (EEPs) and both UK Zoo Federation and European Zoo Association Taxon Advisory Groups (TAGs).

Amongst these wider activities, Dr Heather Hall is a member of the Zoos Forum and helped develop the Secretary of State's Standards for Modern Zoo Practice. Sarah Christie has expanded her role from tigers to include Amur leopards and Asiatic lions and is significant not only in the captive programme work but also in assisting with field conservation. John Baines from Whipsnade joined the international team of helpers in South Africa following the disastrous oil spill; his 30 years of experience with penguins proved invaluable as he headed one of the teams assessing the condition of the birds prior to their release back to the wild. Esther Wenman has continued her work in Egypt on the tortoise conservation and Whipsnade staff visited Ghana to work in the zoos as part of an ongoing programme.

Above: Nearly 10,000 people visited the Christmas promotion at London Zoo.

Photos: Brian Aldrich

In line with our accreditation as an Investor in People at Whipsnade, we continue to focus on combining the training needs of the organisation with that of the individual. Every permanent member of staff works with their manager to produce a Personal Development Plan, which is then combined with a Park-wide master plan, with training requirements addressed through external and internal methods.

Business

This was a difficult trading year for all visitor attractions in London, and the Zoo was no exception. We were competing with several brand-new visitor attractions (The Dome, Tate Modern and The London Eye had a combined total of more than 12 million visits); we received over 940,000 visitors, fewer than the previous year. However, average visitor spends were above last year, and other sources of income such as Lifewatch membership, adoptions and hospitality catering all did well.

An excellent year at Whipsnade resulted in an above-budget performance and the eighth successive year of cash surplus. Our functions business has sustained its success, with major conferences and events being held for Whitbread, Master Care, Ernst and Young, Volkswagen, Barclays and many others. The 2001 business plan includes provision for dedicated sales staff with specific responsibility for growing this lucrative business.





The winter operation policy at Whipsnade, under which visitors can participate in the reduced programme as winter members and then have the opportunity to transfer to full membership in the spring, has gone from strength to strength. This has developed from a pilot scheme initiated in 1998, and a very high "conversion rate" together with a substantial reduction in visitor complaints are two of the main benefits.

Buildings and facilities

Some of the more important exhibit developments have already been detailed. Less glamorous, but equally important for a good visitor experience, is the work on infrastructure. At Whipsnade, there was further renovation of our fencelines, road and water systems, and improvements to other operational facilities. At London, one of the Education Department's lecture theatres was completely refurbished (the last work to be undertaken under our Millennium grant for Web of Life).

Despite some very poor weather at key weekends and the impact of Millennium attraction competition, 2000 proved to be a positive year for the two zoos, with supportive press coverage, improvements in facilities, increase in school visits and exciting developments in the animal collection.

Above: A male sealion pup was born at Whipsnade.

Left: Whipsnade is participating in a programme to re-establish Przewalski horses in the wild. ZSL's activities are funded from a number of sources. Fundraising activities continue to bring in much-needed support for our activities, and the Institute of Zoology has been successful in a number of research funding competitions.



Following our major appeal for the Web of Life Project in 1998/99, work has continued on identifying potential major donors and setting-up an advisory committee to help ZSL with its future fundraising strategy. An important feature is building links with the business community.

The Animal Partners corporate adoption scheme, now in its third year, continues to generate funds, and cash donations were received from Yellow Pages, London Power Networks, British Gas, the Nationwide Building Society, the Post Office, Hasbro UK, Eurolife and Cosgrove Hall Films, amongst others.

The British Land Company plc, which most generously confirmed a grant of £150,000 towards the renovation of the Mappin Café, headed other donations, with work planned to commence in mid-2001. British Land also featured photographs of London Zoo and Whipsnade Wild Animal Park in its 2000 Annual Report to shareholders.

The Mitsubishi Corporation Fund for Europe and Africa gave us the second instalment of its £70,000 three-year sponsorship towards the development of the Web of Life website (www.weboflife.co.uk). American Express entered a two year sponsorship deal to

encourage Amex's employees to visit London Zoo, as part of its Culture Club Programme and The Wolfson Foundation agreed a £25,000 grant towards the partial refurbishment of the Wolfson Library.

Gifts in kind increased again in 2000. Booz-Allen and Hamilton, the international management consultancy firm, was exceedingly generous in donating both time and staff resources to put together an e-commerce strategy for ZSL and continues to support us with its implementation,

Volvo replaced its existing loan vehicle with a new four-wheel drive Volvo Cross Country estate model that is heavily used, particularly for veterinary work and transporting animals between sites.

We are also very grateful for the continuation of British Salt's annual donation of salt for the sealion pool at Whipsnade and Twinings' herbal infusions, much loved by our gorillas. Ikea continues to donate furniture on a regular basis for all parts of the Regent's Park site.

The Whipsnade Lion Appeal continued and has raised over £71,000. Highlights included our second Midsummer Ball, which made another substantial profit,

20

Above: Artwork at London Zoo during Adopt an Animal Week. Photo: Brian Aldrich with a strong contribution from the auction, the auctioneer demonstrating how to use corporate rivalries to lift the bids for some of the lots significantly!

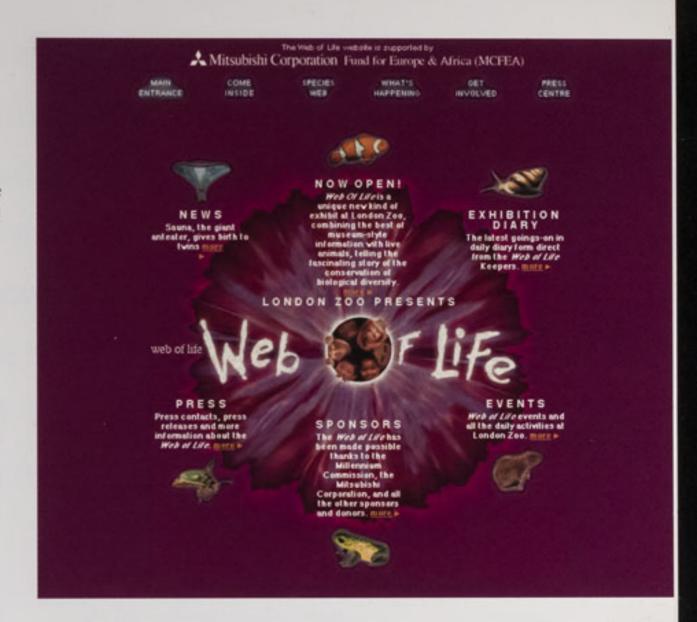
Many other organisations, corporations and trusts not specifically mentioned here or elsewhere in the Report have supported ZSL's vital conservation work in so many ways over the past year. To all of them we extend our continuing thanks for their generous help.

MAJOR SCIENTIFIC GRANTS

The Institute's core research work is supported by an annual grant of about £1.7 million from HEFCE. This funding provided a basis for external grant raising, and Institute staff were successful in several competitive research funding competitions. Drs Guy Cowlishaw, Marcus Rowcliffe and Richard Pettifor obtained a grant of £214,904 from NERC for studies on "Social constraints on group-living vertebrates" in collaboration with colleagues in Cambridge.

Dr Cowlishaw also obtained a grant from the DETR Darwin Initiative for research and training activities in the Garamba reserve in the Democratic Republic of Congo. This area contains the last wild population of the northern subspecies of the white rhino. Drs Andrew Bourke, Bill Jordan and Rob Hammond obtained a grant of £72,808 from the Leverhulme Trust for research on differential gene expression in caste determination and evolution in bumblebees.

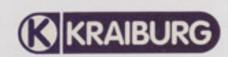
Drs Bill Holt and Amanda Pickard received two research grants from MAFF for £313,333 and £157,580. These were for studies on automatic ovulation prediction in pigs, and on the enhancement of sperm survival by oviduct epithelial cells. Finally, Dr Peter Bennett and Paul Jepson were successful in re-negotiating the contract they have with DETR for the Marine Mammals Strandings Project. This provides £478,032 over the next three and a half years for further studies and co-ordination of information on Cetacean strandings in the UK.





















Above from top: The website for Web of Life is sponsored by Mitsubishi Corporation Fund for Europe and Africa.

Many organisations have contributed to the work of the Society during the year. Media coverage is a valuable way of bringing the work of ZSL to public notice. Serious scientific stories, animal events, filming for the big and small screens and quirky "silly season" items all contributed to the regular flow of ZSL-related stories during the year.



Media coverage started on day one of the year with the annual stock-take of animals at London Zoo. Curator of Invertebrates Paul Pearce-Kelly was photographed counting up the millennium bugs, with local and national newspaper coverage; BBC TV's Newsroom South East recorded a piece about the stock-take and ZSL's conservation work with invertebrate species.

On the 8th February Guylian, the Belgian chocolate-maker, launched their sponsorship of *Project Seahorse* to the UK press. On the morning of the launch, interviews with Dr Heather Hall and Brian Zimmerman were shown on *BBC Breakfast News* and the press conference was well attended by environmental correspondents. Regional radio stations, TV, national and regional newspapers covered the event.

High profile conferences and launches attract press interest, thus bringing our name to the public even when the events have been organised by others. The Department of Transport, Environment and the Regions held a seminar, Partnership for Action against Wildlife Crime, which was opened by the Environment Minister, Michael

Meacher. BBC, Sky and ITN all ran pieces featuring London Zoo on their lunchtime news.

ZSL was asked to host the launch of the 2000 Red List by IUCN. A photocall was held with threatened species from the Zoo (freshwater turtles, tortoises and a lemur). Most national papers sent a photographer and BBC News 24, CNN, ITN and Brazilian TV sent crews. ZSL received good coverage and IUCN was extremely happy with the launch.

The British Hospitality Association and London Tourist Board held a debate on hospitality and tourism in London with four of the capital's mayoral candidates. A photocall with the candidates, an eagle owl and a Harris hawk featured on London Tonight.

The work of the Institute of Zoology received considerable media attention. Andrew Cunningham's paper on Emerging Infectious Diseases, published in Science, was picked up extensively in North America and he was interviewed by CBC. The work also caught the attention of Costing the Earth (BBC Radio 4) who made a 30 minute programme which included interviews with Andrew Cunningham, Paul Jepson

Above: The leaflet inside the box reads 'Every time you buy a box of Guylian Chocolate Seashells you are supporting Project Seahorse'.

30

(Caspian seals) and Tony Sainsbury (parapox in red squirrels). Jim Groombridge's paper on the genetics of the Mauritius kestrel was published in *Nature* in February and the story was run by *The Times*. BBC World Service interviewed Drs Bill Holt and Bill Jordan about the "Frozen Zoo."

Animal stories are always popular, and coverage for Whipsnade during 2000 included the births of a silvery marmoset and a giraffe calf. A major story was the white rhino calves' births; this was covered with a scientific angle as the births had been predicted using hormonal indicators in the rhinos' dung, a technique developed by the Institute of Zoology. The photocall was attended by The Mirror, Daily Mail, PA and AP and BBC (Look East and Newsround). The story did well regionally and The Times ran an article about the predictions of the birth. It will also appear in a new series, Making babies, produced for the BBC.

London Zoo's Easter photocall was with two emu chicks, born at Whipsnade, which were being hand-reared at London. These Easter chicks with a difference were a real success with the media: The Times ran a large picture on Good Friday and London Today (ITV Regional News) did a live interview with Andy Hallsworth. A pre-recorded piece was also run on the evening news and pictures were featured in several papers.

An unusual Whipsnade story which caught the public's attention was the young tigress who become stuck 30 feet up a tree in her enclosure for several days. She eventually came down safely, but in the meantime generated a great deal of positive media coverage, conveniently just in the run-up to the October half-term!

Web of Life continued to be a popular subject. Practical Photography Magazine published an 8-page feature on macro-photography using our collection; the Evening Standard ran an interview with Amanda Ferguson about her "unusual" job looking after the animals, most notably locusts; and

Royal Mail issued their latest Millennium stamps which featured two of our leaf-cutter ants on the first-class stamp of the 'Life and Earth' issue.

The facility fees from filming form a very useful addition to ZSL's income. Three feature films used London Zoo as a location: The Biographer and Kiss Kiss Bang Bang were shot in the spring; later in the year, Warner Brothers filmed a sequence for the forthcoming Harry Potter film.

ZSL also featured prominently on the small screen. BBC2's One Foot in the Past came to London Zoo to make a segment for a programme on the architectural work of Berthold Lubetkin. The programme is part of the History Zone on BBC2; both the Penguin Pool and former Gorilla house were featured in the documentary.

The second Whipsnade TV series was aired during the main season, together with repeats of the first series on both terrestrial and satellite channels at the start of the year. We were delighted to welcome the production company back to film a third series, to be shown in 11 weekly episodes on Anglia TV in the spring of 2001.

The BBC series Zoo was well received by staff and visitors in general. We suffered from poor scheduling and lack of promotion, but weekly photocalls relating to the next programmes proved to be successful. The Event's team's "Bionic Bunny" caught the imagination of the papers during the "silly season" and was featured as a full page article in the Daily Mail and a double page spread in Hello! The story even went abroad with French and German TV providing coverage. More importantly, on the home front, Newsround and most of the nationals ran the stories. The average viewing figure for the programmes was 3.1 million.

ZSL's website featured on BBC's SubZero, a children's programme all about the internet. Part of the programme, Net Detectives, challenges teams of children





Above from top: The stamp of approval: one of Royal Mail's stamps featured two of our leafcutter ants.

TV presenter Philippa Forrester is seen here launching the issue. Stamp and photo: Royal Mail



to find "biospheres" located on certain websites; we located a biosphere on our Web of Life site and it was featured on the live programme and also through BBC online.

PR often plays a strong role in the relationship with corporate sponsors and gives valuable support to our fundraising activities. Yellow Pages held a photocall with three children from their Notting Hill Carnival Float, and our hand-reared meerkat. Claire from Big Brother was photographed with a costumed character called Fetch who stars in a new children's animated series, Fetch the Vet. Robotcoup produced a press release about the use of their blenders throughout London Zoo and Pokemon launched a new character with the help of one of the Events Section's parakeets. Royal Mail held a photocall with emus in connection with the Olympics in Australia.

Volvo continue to provide ZSL with a Volvo Estate Car for use mainly by the Zoo vets. To support this activity, a feature about ZSL's new vet, Taina Strike, appeared in the Evening Standard and further PR activity is planned. Whipsnade held a photocall to highlight a cheque presentation for the Lion Appeal by Rodwells Limited.

Yoplait continues its support of our annual Adopt an Animal week in the February half term. Celebrities and politicians such as Frank Skinner and Ken Livingstone were asked to draw themselves and their perfect animal partner. Some of these pictures appeared in the nationals and will, we hope, be auctioned off as a fundraising opportunity.

There was press coverage when Senator Edward Kennedy visited London Zoo accompanied by Lord and Lady Paul and the Chancellor of the Exchequer and Mrs Brown. As a child, Senator Kennedy had opened London's first children's zoo with his brother Robert when their father was the American ambassador to Britain.



Above: Senator Edward Kennedy visits the Children's Zoo. Photo: Brian Aldrich

Right: Together with his brother Robert (on the right), he had opened the original Children's Zoo in 1938; behind them is ZSL Secretary, Dr Julian Huxley. Photo: Hulton Archive

32

Our Library continues to maintain its pre-eminence as the largest collection of books and periodicals on the subject of zoology and animal conservation in private ownership in the world, and is one of the most readily accessible. Much of the material is available for Fellows of ZSL to borrow.

A series of exhibitions about the noted painter of animals, Joseph Wolf (1820-1899), has begun this year. A considerable amount of work was done by Wolf for the Zoological Society's publications, and twelve of his pictures, together with his portrait by Lance Calkin, have been loaned to the Hessisches Landesmuseum, Darmstadt. The exhibition will travel to various locations throughout 2001.

Interest in our archives has continued to increase with a variety of researchers visiting the Library, mainly to consult the Daily Occurrence books, the 19th century Council minutes and Minutes of Scientific meetings. There has been a steady stream of historical and genealogical enquiries throughout the year. Items from the archives were featured in a BBC2 television programme, Kings and Beasts, made by Lion TV. This was linked to an exhibition on the former Tower of London Menagerie, held at the Tower itself. A notable and generous donation to the archives has been a zoo keeper's uniform worn about 30 years ago.

There has been a particular interest in our historic books. These often provide the first description and/or image of species, the type specimen, and hence are essential for any taxonomic study as well as often being very beautiful in themselves.

The Library continued to lend books to Fellows, provide reference use of the Library to members of the public, conduct introductory tours for new staff, students and Library users and answer enquiries, both zoological and historical.

A major change for Library visitors has been the completion of the computerised version of the periodical holdings catalogue. This can be searched from three computers within the Reading Room, enabling visitors to check the runs of titles and even if a particular issue has been received.

As always, we are extremely grateful to our Library volunteers for all their hard work throughout the year; and to Fellows and members of the public who have donated books and archival items to the Library.





Above from top: The portrait of Joseph Wolf by Lance Calkin.

TREASURER'S STATEMENT

- 1. The attached summarised accounts show the overall results of ZSL for the year to 31 December 2000. As the accounts indicate, the Society recorded a consolidated surplus of £2.9 million for the year (1999 £1.6 million) and increased its total funds to £22.7 million. However, it is important to note that the surplus for the year included an amount of £2.2 million relating to income, previously deferred, received from the Millennium Commission on ZSL's formal completion of the Web of Life building. Thus the underlying surplus was £0.7 million, a significant decline by comparison to 1999.
- 2. The summarised accounts generally follow the format adopted in previous years and the main statement, the consolidated statement of financial activities, is taken from the statutory accounts which must follow the requirements of charity financial reporting. However, this year we have dropped the schedule of divisional results as these are becoming increasingly divergent from the statutory accounts due primarily to the requirements of charity reporting.
- 3. ZSL remains dependent on the two zoos for the bulk of its income. Both London Zoo and Whipsnade showed a decline in visitor numbers, London by 8% to 932,878 and Whipsnade by 4% to 421,312. This decline is due both to poor weather, especially in the months of April, May and July, and to the existence of competing attractions, particularly the Dome. Many London-based attractions have experienced similar declines in visitor numbers during 2000. Where possible, cost savings were implemented in both zoos, but these were insufficient to match the decline in income.
- 4. Both the Institute of Zoology and Field Conservation reported a decline in revenue for the year following the departure of the two Directors in charge at the end of 1999. This was due to a lower than usual take-up of new grants and contracts which is expected to reverse under the new arrangements subsequently established.
- 5. During the year the Society concluded an agreement, based on professional advice, with the contractor for the Web of Life building. This resulted in an additional payment of £330,000 for work over and above that specified in the original contract. The only other significant capital expenditure during the year was on the aquarium and the tunnels at London Zoo. The Society increased its investments and cash balances during the year primarily due to receipt of the capital grant from the Millennium Commission.
- 6. The accounts for the year 2000 have been prepared at a time when ZSL faces once again a significant threat to its future as a result of the Foot and Mouth Disease epidemic. The closure of Whipsnade from the end of February and a major decline in numbers at London Zoo have already ensured that we will be in deficit on operations for the year. If the situation were to continue throughout the summer we would be likely to face serious financial difficulty by the end of the year. Management will take all reasonable measures to achieve cost savings but our obligations to our staff and to the welfare of the animals cannot be compromised.

In view of the potential threat to the financial viability of the Society, the auditors have raised the issue of going concern in their report without formally qualifying their opinion on the accounts.

The continuing support of members and donors is particularly needed at this difficult time.

Harry Wilkinson, FCA

M. R. Withier

Treasurer

Consolidated Statement of Financial Activities for the year ended 31 December 2000

	Year	Year
	to 31.12.00	to 31.12.99
	€000	€000
Incoming Resources		
Zoo Operating Income:		
Visitor Admissions	8,409	8,762
Catering and Shops (Net)	2,745	2,686
Other Zoo Income	1,033	965
	12,187	12,413
Government and other Grants:		
Capital grants	2,198	
Other grants	2,177	2,432
Sales and Fees	632	1,162
Subscriptions	141	151
Donations and other Income	1,218	1,087
Interest and Investment Income	482	391
Total Incoming Resources	19,035	17,636
Resources Expended		
Direct Charitable Expenditure:		
	11,733	11,629
Direct Charitable Expenditure:	11,733 2,726	11,629 3,157
Direct Charitable Expenditure: Zoo Operating Costs		3,157 885
Direct Charitable Expenditure: Zoo Operating Costs Science and Research	2,726	3,157
Direct Charitable Expenditure: Zoo Operating Costs Science and Research Conservation and Consultancy	2,726 724	3,157 885
Direct Charitable Expenditure: Zoo Operating Costs Science and Research	2,726 724 15,183	3,157 885 15,671
Direct Charitable Expenditure: Zoo Operating Costs Science and Research Conservation and Consultancy Fundraising and Publicity	2,726 724 15,183 196	3,157 885 15,671 228
Direct Charitable Expenditure: Zoo Operating Costs Science and Research Conservation and Consultancy Fundraising and Publicity Management and Administration	2,726 724 15,183 196 659	3,157 885 15,671 228 441
Direct Charitable Expenditure: Zoo Operating Costs Science and Research Conservation and Consultancy Fundraising and Publicity Management and Administration Total Resources Expended	2,726 724 15,183 196 659	3,157 885 15,671 228 441 16,340
Direct Charitable Expenditure: Zoo Operating Costs Science and Research Conservation and Consultancy Fundraising and Publicity Management and Administration Total Resources Expended Operating Surplus for the year (Losses)/Gains on Investments	2,726 724 15,183 196 659 16,038	3,157 885 15,671 228 441
Direct Charitable Expenditure: Zoo Operating Costs Science and Research Conservation and Consultancy Fundraising and Publicity Management and Administration Total Resources Expended Operating Surplus for the year	2,726 724 15,183 196 659 16,038 2,997 (126)	3,157 885 15,671 228 441 16,340 1,296

Summarised Cash Flow Statement for the year ended 31 December 2000

	Veen	Veen
	Year	Year
	to 31.12.00	to 31.12.99
	0003	€000
Surplus for the year	2,871	1,564
Add Depreciation	1,229	1,270
	4,100	2,834
Less Purchase of Tangible Fixed Assets (Net of Disposals)	(1,307)	(1,940)
Purchase of Fixed Asset Investments (Net of Disposals)	(939)	80
·	1,854	974
Changes in other Assets and Liabilities	(725)	(48)
Net Cash Inflow	1,129	926

Consolidated Balance Sheet at 31 December 2000

	31.12.00	31.12.99
	£000	2000
Fixed Assets		
Tangible Assets	12,714	12,788
Investments	3,557	2,744
	16,271	15,532
Current Assets		
Stock	417	. 444
Debtors	1,146	2,986
Cash at Bank and in Hand	7,574	6,445
	9,137	9,875
Creditors: Amounts falling due within one year	(2,219)	(4,915)
Net Current Assets	6,918	4,960
Total Assets Less Current Liabilities	23,189	20,492
Creditors: Amounts falling due after more than one year	(521)	(695)
Net Assets	22,668	19,797
Funds		
Unrestricted – General	16,496	13,608
- Designated	2,448	2,205
Restricted - Endowments	842	758
- Other	2,882	3,226
Total Funds	22,668	19,797

Post Balance Sheet Events (Going Concern)

In February 2001 an outbreak of Foot and Mouth Disease was discovered in the UK, which spread widely in subsequent weeks. The disease poses a significant threat to the welfare of animals in the Society's collections. Due to the perceived greater danger to the collection at Whipsnade Wild Animal Park, the Park was closed to visitors on 23 February 2001. Whilst London Zoo remained open, it has experienced a significant fall in visitor numbers in the period from 24 February 2001 to the date of approval of these accounts. The Society has therefore lost more than one half of its main income stream and if this situation continues for the greater part of this year the Society will encounter severe problems in liquidity. The Society therefore could be forced into a reconsideration of the scope of its future activities. The management are considering various options for cutting costs and raising additional income to address this crisis.

The summarised accounts are based on the Society's full Trustees' report and accounts. These summarised accounts may not contain sufficient information to allow for the full understanding of the financial affairs of the Society. For further information, the full Society's Trustees' report and accounts, and Ernst & Young's audit report on them should be consulted. Although the audit report is unqualified it does draw attention to the significant uncertainty over the impact of the foot and mouth epidemic on the Society's ability to generate income in order to continue its activities. A full set of the Society's Trustees' report and accounts is obtainable on request from the Director of Finance.

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(registered charity no. 208728) Regent's Park, London, NW1 4RY Whipsnade Wild Animal Park, Dunstable, Bedfordshire, LU6 2LF

Directors

Director General **Dr Michael Dixon**Director of Finance **Norman Reed**Director of Science, Institute of Zoology **Professor Georgina Mace**Director, London Zoo **Dr Jo Gipps**Director of Personnel **Ian Meyrick**Director, Whipsnade Wild Animal Park **Stuart Earley**

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Whipsnade Wild Animal Park 01582 872171

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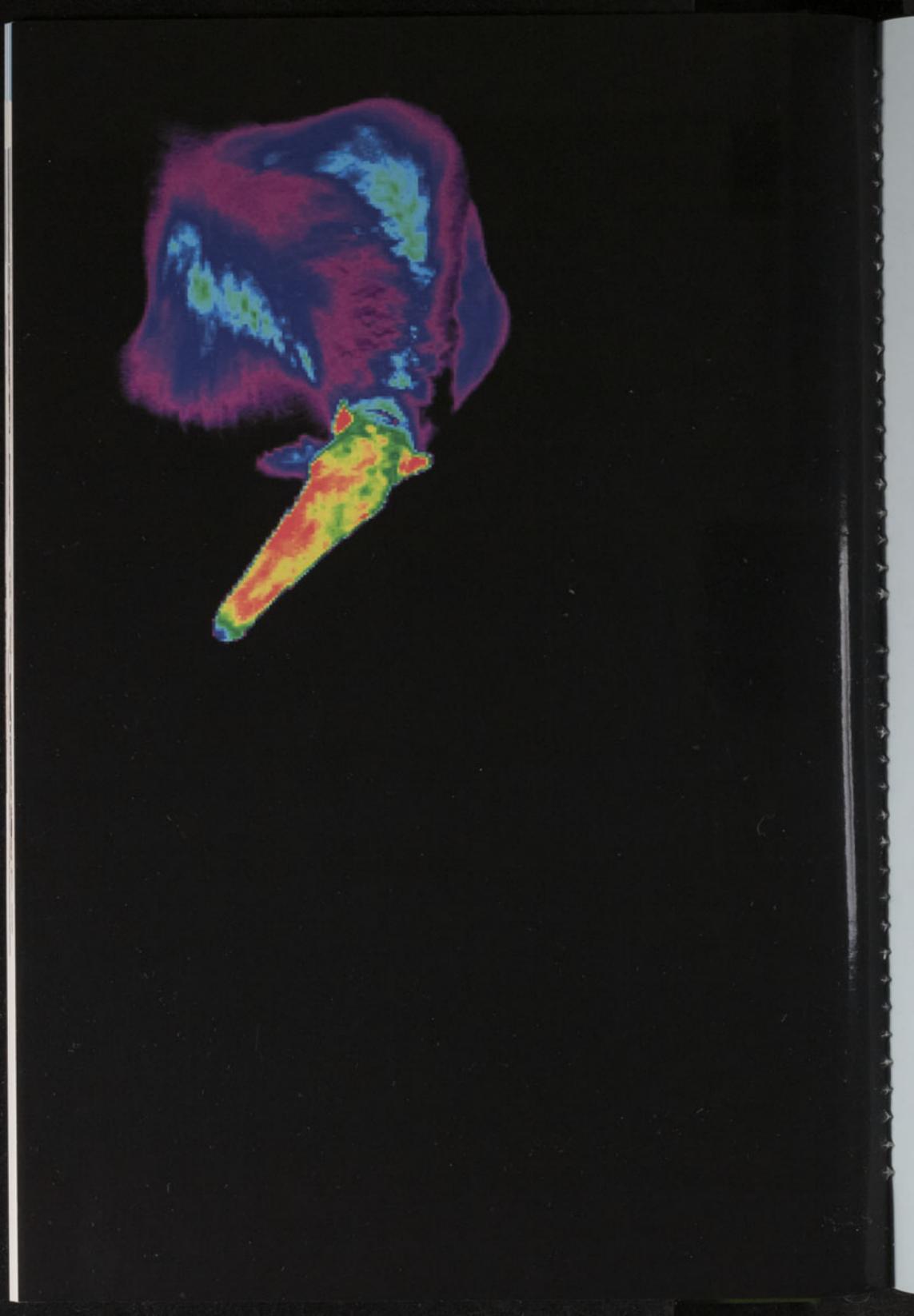
Full information on organisation, committee membership, staffing and animals in the collection is contained in Part 2 of this report.

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ZSL 2000

The Zoological Society of London Annual Report



The Zoological Society of London Registered Charity 208728

Annual Report 2000 Part 2

Contents

Information about the Charity	2
Honorary Fellows	3
Council	3
Committees and Boards	4
Staff	6
Volunteers	9
Obituaries	9
Collaboration with zoological,	
conservation, research and other	
organisations	10
Representation	12
Publications by ZSL staff and	
researchers	14
Donations and legacies	18
Animals in the collection	19